DIAMOND DRILLING PROGRAM REPORT
THUNDER BAY NORTH PROJECT
DRILL HOLES TBND214-238
GREENWICH LAKE AREA
THUNDER BAY MINING DIVISION
NORTHWESTERN ONTARIO
2011

Magma Metals (Canada) Limited,
P.O. Box 10628, Thunder Bay, Ontario P7B 6V1
1004 Alloy Dr, Thunder Bay, Ontario P7B 6A5

Justin R. Johnson, M.Sc.
Senior Project Geologist

Jamie Y. Dumas, B.Sc.
Project Geologist

December 2011

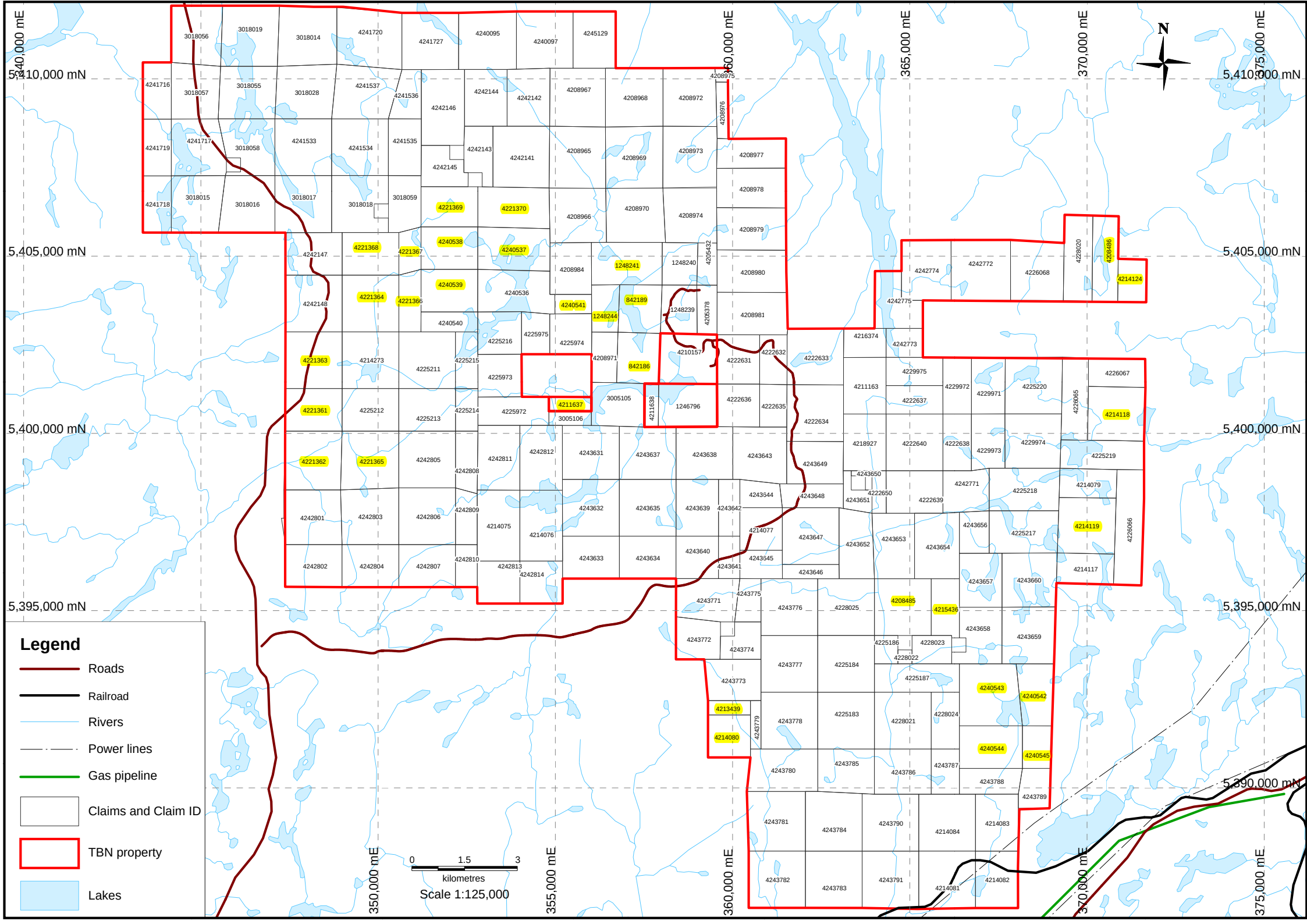

5,410,000 mN
5,405,000 mN
5,400,000 mN
5,395,000 mN
5,390,000 mN
350,000 mE
355,000 mE
360,000 mE
365,000 mE
370,000 mE
375,000 mE
N
Legend
Roads
Railroad
Rivers
Power lines
Gas pipeline
Claims and Claim ID
TBN property
Lakes
0
1.5
3
kilometres
Scale 1:125,000

Table of Contents

List of Tables

List of Figures

Appendix 1

Diamond Drill Logs TBND214 to TBND238

Appendix 2

Assay Certificates

Back Pocket

Drill Hole Plan Map

Diamond Drill Sections TBND214 to TBND238

Summary

The Thunder Bay North project is located northeast of Thunder Bay, Ontario and is contained within a larger intrusive complex referred to as the Current Lake Intrusive Complex (see Figure 1).

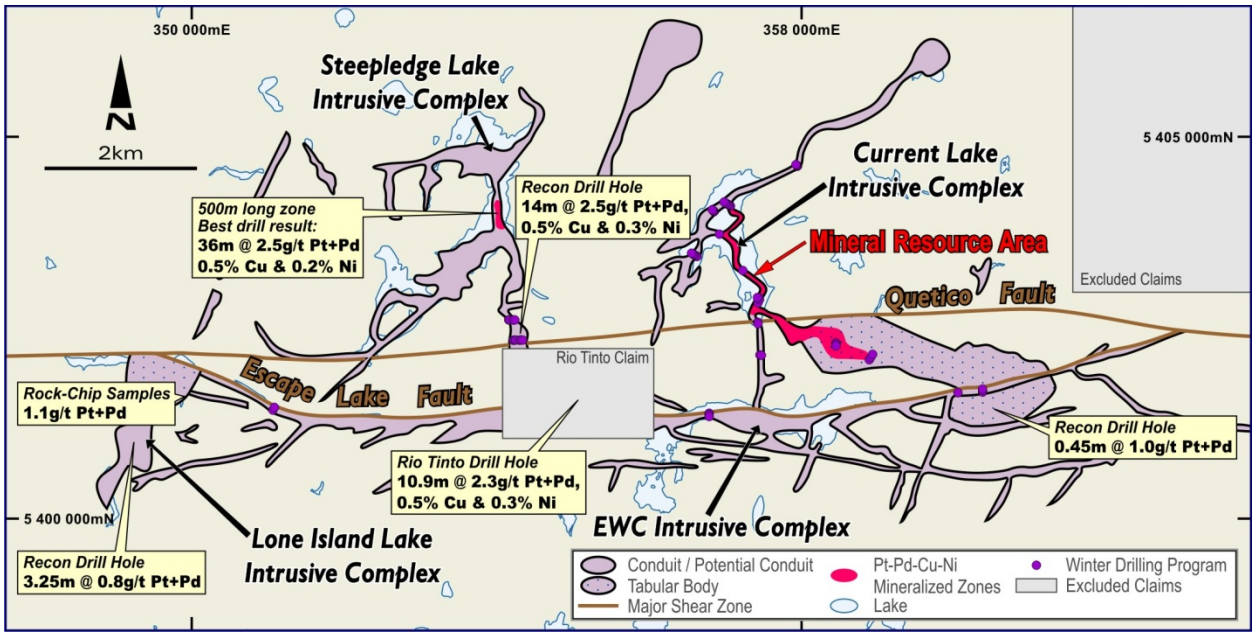


Figure 1: Map illustrating the Current Lake Intrusive Complex.

Extensive drilling has been done on the Thunder Bay North project beginning in 2006 and continuing through 2011. In 2010 a resource of 9.06 Mt @ 2.43g/t platinum equivalent indicated and an 0.27 Mt @ 2.81 g/t platinum equivalent inferred was announced.

The 2011 drilling on the CL project consisted of twenty five drill holes totalling 2380.0m. The drilling was designed to test the extents of the peridotite body as defined by ground and airborne geophysics. Twenty-three of the holes were drilled from ice pad set-ups while the remaining two drill holes were drilled near the edge of the Current River.

Introduction

Magma Metals (Canada) Limited (a wholly-owned subsidiary of Magma Metals Limited of Australia) Thunder Bay North (TBN) project's Current Lake drill program consisted of 25 holes totalling 2380m, 23 of the drill holes were drilled on the ice of Current Lake itself. Drill targets were selected based on previous drilling results coupled with geophysical surveys from 2006 through 2010. Preparation for drilling, including building of ice roads and drill pads, began in early January with the drilling itself beginning on February 3rd.

Property, Location, and Access

The TBN property consists of 219 claims, totalling 2552 units (*see* Table 1 for claims listing/ownership) and is located approximately 50 km northeast of the city of Thunder Bay (*see* Figure 2). The property is accessible by proceeding east on the Trans-Canada Highway 17 East, then turning north on Highway 527, the Armstrong Highway, then turning east onto the Escape Road, and finally the Shallownest East Road. A road log to the property is presented within Table 2.

Table 1: List of Claims

Claim No.	Claim Units	Recorded Holder*	Claim No.	Claim Units	Recorded Holder*	Claim No.	Claim Units	Recorded Holder*
842186	9	MMC	4208977	13	MMC	4221370	15	MMC
842189	12	MMC	4208978	15	MMC	4222631	12	MMC
1246796	12	ZP	4208979	15	MMC	4222632	8	MMC
1248239	11	MMC	4208980	15	MMC	4222633	16	MMC
1248240	9	MMC	4208981	15	MMC	4222634	16	MMC
1248241	15	MMC	4208984	15	MMC	4222635	8	MMC
1248244	6	MMC	4210157	12	ZP	4222636	12	MMC
3005105	12	MMC	4211163	12	MMC	4222637	8	MMC
3005106	3	MMC	4211637	3	ZP	4222638	8	MMC
3018014	16	MMC	4211638	3	ZP	4222639	12	MMC
3018015	16	MMC	4213439	3	MMC	4222640	16	MMC
3018016	16	MMC	4214075	15	MMC	4222650	3	MMC
3018017	16	MMC	4214076	15	MMC	4225183	16	MMC
3018018	16	MMC	4214077	9	MMC	4225184	16	MMC
3018019	16	MMC	4214079	8	MMC	4225186	2	MMC
3018028	16	MMC	4214080	9	MMC	4225187	12	MMC
3018055	16	MMC	4214081	16	MMC	4225211	16	MMC
3018056	16	MMC	4214082	12	MMC	4225212	12	MMC
3018057	16	MMC	4214083	12	MMC	4225213	12	MMC
3018058	16	MMC	4214084	16	MMC	4225214	3	MMC
3018059	8	MMC	4214117	8	MMC	4225215	4	MMC
4205378	4	MMC	4214118	16	MMC	4225216	9	MMC
4205432	3	MMC	4214119	16	MMC	4225217	15	MMC
4208485	16	MMC	4214124	6	MMC	4225218	15	MMC
4208486	12	MMC	4214273	16	MMC	4225219	12	MMC
4208965	16	MMC	4215436	8	MMC	4225220	16	MMC
4208966	16	MMC	4216374	6	MMC	4225972	10	MMC
4208967	16	MMC	4218927	12	MMC	4225973	9	MMC
4208968	16	MMC	4221361	12	MMC	4225974	9	MMC
4208969	16	MMC	4221362	16	MMC	4225975	6	MMC
4208970	16	MMC	4221363	16	MMC	4226065	12	MMC
4208971	8	MMC	4221364	16	MMC	4226066	16	MMC
4208972	16	MMC	4221365	16	MMC	4226067	8	MMC
4208973	16	MMC	4221366	5	MMC	4226068	16	MMC
4208974	16	MMC	4221367	4	MMC	4228020	12	MMC
4208975	1	MMC	4221368	12	MMC	4228021	16	MMC
4208976	4	MMC	4221369	12	MMC	4228022	1	MMC

*MMC=Magma Metals (Canada) Ltd.; ZP=C.Zimowski & R.Pizzolato

Table 1 (continued): List of Claims

Claim No.	Claim Units	Recorded Holder*	Claim No.	Claim Units	Recorded Holder*	Claim No.	Claim Units	Recorded Holder*
4228023	6	MMC	4242147	12	MMC	4243648	9	MMC
4228024	8	MMC	4242148	16	MMC	4243649	12	MMC
4228025	16	MMC	4242771	12	MMC	4243650	1	MMC
4229971	8	MMC	4242772	16	MMC	4243651	4	MMC
4229972	8	MMC	4242773	12	MMC	4243652	15	MMC
4229973	8	MMC	4242774	16	MMC	4243653	15	MMC
4229974	16	MMC	4242775	6	MMC	4243654	15	MMC
4229975	8	MMC	4242801	16	MMC	4243656	6	MMC
4240095	16	MMC	4242802	12	MMC	4243657	12	MMC
4240097	16	MMC	4242803	16	MMC	4243658	12	MMC
4240536	15	MMC	4242804	12	MMC	4243659	16	MMC
4240537	15	MMC	4242805	16	MMC	4243660	16	MMC
4240538	12	MMC	4242806	16	MMC	4243771	12	MMC
4240539	12	MMC	4242807	12	MMC	4243772	9	MMC
4240540	4	MMC	4242808	6	MMC	4243773	12	MMC
4240541	4	MMC	4242809	6	MMC	4243774	6	MMC
4240542	8	MMC	4242810	5	MMC	4243775	4	MMC
4240543	16	MMC	4242811	14	MMC	4243776	16	MMC
4240544	12	MMC	4242812	14	MMC	4243777	16	MMC
4240545	6	MMC	4242813	9	MMC	4243778	16	MMC
4241533	16	MMC	4242814	9	MMC	4243779	4	MMC
4241534	16	MMC	4243631	16	MMC	4243780	15	MMC
4241535	8	MMC	4243632	16	MMC	4243781	16	MMC
4241536	8	MMC	4243633	12	MMC	4243782	16	MMC
4241537	16	MMC	4243634	12	MMC	4243783	16	MMC
4241716	8	MMC	4243635	16	MMC	4243784	15	MMC
4241717	16	MMC	4243637	16	MMC	4243785	12	MMC
4241718	8	MMC	4243638	16	MMC	4243786	12	MMC
4241719	8	MMC	4243639	12	MMC	4243787	6	MMC
4241720	16	MMC	4243640	9	MMC	4243788	8	MMC
4241727	16	MMC	4243641	6	MMC	4243789	6	MMC
4242141	16	MMC	4243642	4	MMC	4243790	16	MMC
4242142	12	MMC	4243643	16	MMC	4243791	16	MMC
4242143	7	MMC	4243644	6	MMC	4245129	12	MMC
4242144	12	MMC	4243645	6	MMC	**Total**	**219 claims**	
4242145	8	MMC	4243646	4	MMC		**2552 units**	
4242146	15	MMC	4243647	14	MMC			

*MMC=Magma Metals (Canada) Ltd.; ZP=C.Zimowski & R.Pizzolato

Table 2: Road Log

Km (section)	*Location, feature*	*Notes*
0.0	Thunder Bay	
10.4	Hwy. 17E / Hwy. 527 turn	N up Armstrong Highway
22.7	Escape Road (turn right)	E on gravel road off Hwy. 527
17.3	Shallownest East Road	Go left (N)
5.3	Main junction to left (W)	Go left (W)
2.0	Spur on left (S) in clear-cut	Go straight (W)
1.0	Located ~north of Beaver Lake	

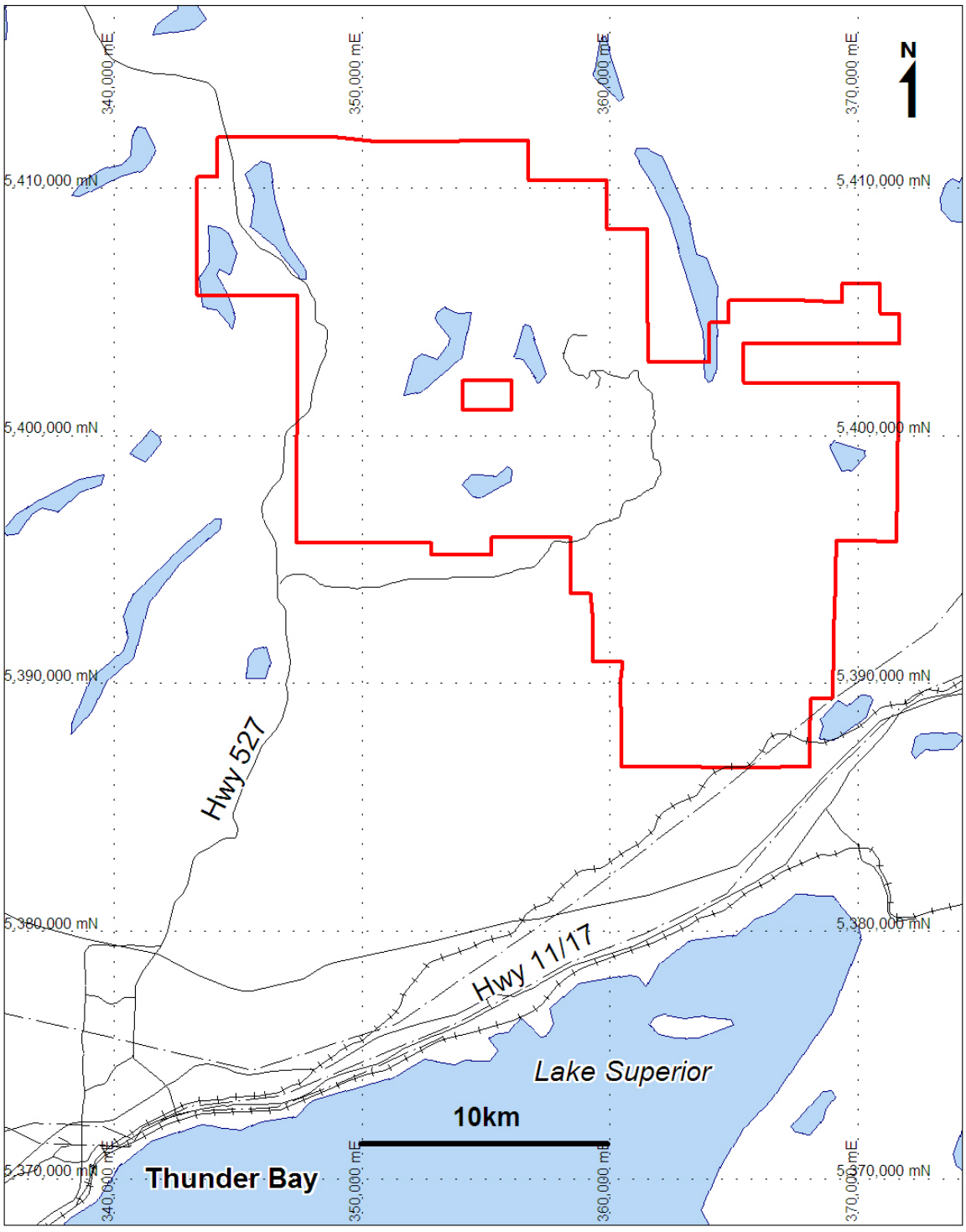


Figure 2: Property location map.

Exploration History

Until recently little exploration work or government mapping has been done within the region. Known exploration in the area is summarized below.

Early exploration within the area concentred on uranium, specifically the Christianson (1949) showing located east of Current Lake, near the western shore of Greenwich Lake. Rio Tinto optioned the Christianson showing from MW Resources Ltd. In January 1976 and staked additional claim units that extended west from Greenwich Lake over northern Current Lake towards Steepledge and Ray Lakes (Benkis, 1977). Rio Tinto completed a program of field mapping and diamond drilling (Benkis, 1977).

Since 1993 exploration has had a focus on The Current and Beaver Lake areas located immediately to the north. Exploration began with various grassroots work undertaken by G. Harper and G. Wilson. This consisted of prospecting, petrographic work, and geophysical surveys. In 2001 Pacific North West Capital Corporation of Vancouver drilled 6 holes totalling 813.5m, but they did not receive encouraging results. In 2005 Magma Metals (Canada) Limited optioned the property and have since performed ground and airborne geophysical surveys, petrographical work, mapping, and drilling. They have drilled more than 500 holes to date. This work resulted in AMEC Americas Limited independently completing a 2010 JORC and NI 43-101 compliant Mineral Resource estimate of 9.06 million tonnes at 2.43 g/t Pt-equivalent ounces for 708,000 Pt-equivalent ounces and 0.27 Inferred tonnes at 2.81 g/t for 24,000 Pt-equivalent ounces.

Additional work has been done on Magma Metal's Steepledge Lake Property located to the west of the Thunder Bay North and Beaver Lake Properties. Steepledge Lake was drilled from 2008 to 2010. An intrusive ultramafic conduit with moderate mineralization has been delineated underneath the lake (Weston and Johnson, 2009a, 2009c).

Kennecott Exploration Canada (now Rio Tinto) had previously staked the reversely polarized bulls-eye portion of the Steepledge Lake anomaly to the west of Escape Lake. They worked this target in winter 2008, and drilled a single 500m vertical hole through it intersecting 234m of mafic/ultramafic intrusive rock below 170m depth. Significant mineralization reported in the hole included 10.9m of 2.35g/t Pt+Pd+Au, 0.46% Cu and 0.24% Ni from 362.5m depth with disseminated pyrrhotite-chalcopyrite (Rossell,2008). They undertook additional drilling in 2010 and again in 2011.

Regional Geology

The Thunder Bay North Property is underlain by the rocks of the Quetico Basins, of the Superior Province of the Canadian Precambrian Shield. The Quetico Basins are described by Williams (1991) as a roughly 70 km wide, linear strip of primarily strongly metamorphosed and deformed clastic metasedimentary rocks and their migmatitic and anatectic derivatives. The identifiable metasedimentary rocks comprising the subprovince (or Basin) consist mainly of turbiditic wacke and siltstone with rare iron formation, pelite, and conglomerate. Primary sedimentary features are locally preserved. Williams (1991) also states that igneous rocks include I-type biotite-hornblende-magnetite granitoid bodies of mixed felsic and mafic composition with volumetrically minor ultramafic units; and metaluminous to peraluminous , often S-type, one- and two-mica granitoids.

Mesoproterozoic rocks of the region include: intrusive and volcanic igneous rocks of the ~1.59 Ga Badwater intrusion and ~1.54Ga English Bay complex located north west of Lake Nipigon, chemical and clastic sedimentary rocks of the ~1.5-1.3 Ga Sibley Group, various ultramafic to mafic intrusions of the Nipigon embayment ~1.112 Ga, and slightly younger ~1.109 Ga sedimentary, volcanic and mafic intrusive rocks of the Midcontinent rift proper along the north shore of Lake Superior (Heaman et al. 2007).

Previously four distinct ultramafic intrusive bodies have been indentified within the huge volume of diabase sills comprising the Nipigon Embayment. These are the Seagull, Disraeli, Hele and Kitto intrusions respectively. Poorly outlined mafic to ultramafic sills termed the Jackfish and Shillabeer sills have also been recently indentified (e.g. Hart and MacDonald, 2007). Hart and MacDonald (2007) describe the ultramafic intrusive bodies as consisting of "pyroxene peridotite, wehrlite, lherzolite, and olivine websterite to minor dunite, and olivine gabbro to olivine melagabbro, with irregular patches of monzogabbro along the margins, and ubiquitous phlogopite. The intrusions appear to be primarily sill-like with the exception of the Seagull Intrusion which, based on significant drilling, has a distinct lopolithic form. Emplacement of the intrusions appears to have been fault controlled (Hart and MacDonald 2007) but no distinct magma feeder zone has been identified. Ni-Cu-PGE mineralization has been previously identified from the ultramafic bodies with the most significant present in the Seagull intrusion (e.g. Heggie, 2005).

2011 Phase-7 Drilling Results

The 2011 diamond drilling program began on February 03, 2011 and ended March 12, 2011. Drill hole locations are listed in Table 3 and shown on the map located in the back pocket. The drilling was contracted to George Downing Estate Drilling of Grenville Sur La Rouge, Quebec using a skid-mounted LF-70 drill rig. Drilling was completed using NQ-sized drill rods on the ice. Drill cuttings were captured through use of an Enviro-Filter system to filter the drill water as well of a series of geocloth catch basins positioned as a back-up system. Drill holes were located using a differential GPS capable of sub-metre accuracy. Down hole orientation surveys were done using a Reflex EZ-Shot survey tool at regular intervals and were also surveyed with the non-magnetic Reflex Gyro.

Table 3: Drill hole collar locations (Z16 NAD83), orientations and depths.

Drill Hole	Start Date	Completion Date	NAD83 Easting	NAD83 Northing	Azimuth	Dip	Depth (m)
TBND-214	03-Feb-11	05-Feb-11	357240	5403255	0	-90	93
TBND-215	05-Feb-11	07-Feb-11	357450	5402900	0	-90	141
TBND-216	07-Feb-11	09-Feb-11	357460	5402875	0	-90	105
TBND-217	09-Feb-11	10-Feb-11	357430	5402900	0	-90	99
TBND-218	10-Feb-11	11-Feb-11	357437	5402830	0	-90	141
TBND-219	12-Feb-11	13-Feb-11	357425	5402560	0	-90	120
TBND-220	13-Feb-11	14-Feb-11	357425	5402570	0	-90	99
TBND-221	14-Feb-11	15-Feb-11	357425	5402550	0	-90	105
TBND-222	16-Feb-11	17-Feb-11	356941	5403705	0	-90	72
TBND-223	17-Feb-11	19-Feb-11	356857	5404013	0	-90	90
TBND-224	19-Feb-11	20-Feb-11	356871	5403999	0	-90	90
TBND-225	20-Feb-11	21-Feb-11	357085	5404075	0	-90	75
TBND-226	21-Feb-11	22-Feb-11	357051	5404096	0	-90	75
TBND-227	22-Feb-11	22-Feb-11	357000	5404128	0	-90	75
TBND-228	23-Feb-11	24-Feb-11	357068	5404086	0	-90	51
TBND-229	24-Feb-11	25-Feb-11	357034	5404107	0	-90	51
TBND-230	25-Feb-11	27-Feb-11	356626	5403424	0	-90	99
TBND-231	27-Feb-11	28-Feb-11	356643	5403413	0	-90	99
TBND-232	28-Feb-11	02-Mar-11	356609	5403435	0	-90	99
TBND-233	02-Mar-11	03-Mar-11	357430	5402875	0	-90	130
TBND-234	03-Mar-11	04-Mar-11	357425	5402580	0	-90	123
TBND-235	04-Mar-11	05-Mar-11	357056	5404105	0	-90	45
TBND-236	05-Mar-11	06-Mar-11	357045	5404087	0	-90	45
TBND-237	09-Mar-11	10-Mar-11	357907	5404656	0	-90	150
TBND-238	11-Mar-11	12-Mar-11	357907	5404656	0	-90	108
						TOTAL	2380

Core logging and sampling was completed at Magma's drill camp near Current Lake. Selected intervals were sawn and half the material bagged for assay. The assay intervals were generally 1-2 metres, but varying intervals were sometimes taken on the basis of different lithologies or mineralization. All samples were taken to ALS Chemex prep-lab in Thunder Bay, Ontario where primary crushing and pulverizing took place, and then pulps were sent to ALS Chemex's Vancouver, British Columbia laboratories where final analyses took place. Internal quality control consisted of insertion of a standard every 20-30 samples, a blank every 30-40 samples, and a duplicate sample every 30-40 samples. Geological logging was performed by geologists J. Dumas, J. Johnson, and G. Heggie while geotechnical logging, cutting and sampling was performed by Magma drill-core technicians J. Martin, G.DeRozia, J.Foley, and M.Raine.

Summary of Rock Units

The rock types encountered consisted of a variety of locally contact metamorphosed felsic to intermediate granitoids, minor clastic metasedimentary-derived schists and migmatites, olivine melagabbro-peridotite, a hybridized contaminated peridotite (previous drilling has described as an altered diabase or gabbro), and mafic dykes. Both the Quetico-age granitoid rocks and the Keweenawan-age ultramafic rocks were locally blocky, splitting into short (<10 cm) lengths, but core recovery was generally excellent.

The granitoid rocks were highly variable in appearance and modal composition and are mostly ascribable to granite and granodiorite. They are generally medium to coarse grained with short intervals of pegmatoidal material, as well as intervals of fine grained material (aplites). A strong fabric was observed locally but in general, these rocks were massive to weakly foliated. Alteration consisted of reddening, and occasionally a browning, of the feldspars (hematitic alteration) that generally occurred in close proximity to the peridotite. Local concentrations of micas (biotite), locally 70% by volume over 10 to 50 cm widths, represent possible volatile-rich fluids driven from the granitoids during intense contact metamorphism produced by intrusion of the extremely hot ultramafic magma that formed the mineralized peridotite.

What was previously described as peridotite is more likely an olivine melagabbro at TBN. It is generally massive, dark grey to black in colour, medium to fine-grained and strongly magnetic. It contains fine cumulus olivine, weakly altered to serpentine-magnetite, in an inter-cumulus matrix of fine pyroxene and 10-30% fine plagioclase. Ultramafic intrusive rocks containing <10% plagioclase were identified as peridotite. Distinction between olivine melagabbro and peridotite in drill core can be very difficult due to the fine-grained nature. As such, the two are discriminated geochemically, with olivine melagabbro containing >4% Al_2O_3, and peridotite <4% Al_2O_3.

Olivine melagabbro and peridotite comprise the host rocks for PGE-Cu-Ni sulphide mineralization at TBN. Mineralization consists predominantly of disseminated and blebby to net-textured sulphides, with local cm-scale massive sulphide veins. Visible sulphides in drill core consist of pyrrhotite, chalcopyrite, and pyrite.

The hybrid peridotite is highly variable in appearance, and almost always strongly magnetic. In thicker zones it is generally a fine to medium-grained, ophitic-textured grey or pinkish-red rock, often with chloritized mafic minerals and variable fine to medium-grained disseminated pyrite. Near its margins it is almost always aphanitic in texture with good chilled contacts usually preserved.

The mafic dykes/sills are fine grained, dark grey to black in colour. They tend to be thin (<1m in thickness) and often occur in groups. It is uncertain if these represent part of an unknown mafic intrusive or if they are thin offshoots of peridotite that have rapidly cooled, resulting in an aphanitic intrusive body with little to no contamination from the surrounding country rocks. Intervals where numerous very thin mafic intrusives, often 5-15cm thick, occur inter fingered with the granitoids, a working name of mixed mafic and felsic or mixed felsic and mafic was given to the intervals dependent on the dominate lithology.

Summary of Drill Holes

The complete drill logs and assays are presented in separate Appendix 1 and 2 respectively and a plan map as well as cross sections are located in the back map pocket. The drilling was successful with 22 of the 28 drillholes intersection ultramafic rocks and the remainder encountering mafic or hybrid intrusive. The most significant intersections are listed below in Table 4.

Table 4: Significant drill intersections.

	From m	To m	Length m	Au ppm	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Pt+Pd ppm
TBND214	37.00	43.00	6.00	0.017	0.214	0.204	429	1222	0.418
TBND215	30.50	85.55	55.05	0.076	1.2011	1.047	2565	1671	2.248
TBND218	29.45	50.95	21.50	0.041	0.5989	0.573	1427	1051	1.171
TBND219	76.30	88.00	11.70	0.017	0.2033	0.204	611	1233	0.407
TBND220	76.60	90.00	13.40	0.016	0.1747	0.156	457	1166	0.330
TBND222	32.00	34.00	2.00	0.022	0.3590	0.333	500	1020	0.692
TBND226	27.00	29.00	2.00	0.062	0.8400	0.793	2330	1898	1.633
TBND228	27.00	29.00	2.00	0.021	0.3070	0.283	812	1172	0.590
TBND233	30.40	88.05	57.65	0.192	3.6037	3.473	8554	4760	7.077
TBND234	76.60	78.60	2.00	0.014	0.1790	0.167	329	999	0.346
TBND236	25.00	27.00	2.00	0.014	0.1750	0.164	607	1200	0.339

Interpretation and Recommendations

Results of the 2011 Current Lake drill program on the TBN project are highly encouraging and further confirm the continuity of significant grades of magmatic PGE-Cu-Ni mineralization over a strike length of 1.9 km within the host Current Lake ultramafic conduit. This conduit has been interpreted to be up to 5km in cumulative length.

The 2011 drilling shows that the ultramafic intrusive shallows to the north and is likely truncated by the bottom of Current Lake. An illustration of the ultramafic rocks encountered to date is shown in Figure 3. In addition the mafic intrusive body, interpreted from the drilling and geophysics, which commonly underlies the ultramafic intrusion is shown by the dashed lines, open to the northeast and southwest. It is likely that additional occurrences of ultramafics are likely to occur within the defined mafic intrusive where the ultramafic body cuts down through the underlying mafic body.

Additional drilling is recommended to the test for the presence of ultramafic bodies with economic mineralization. Drilling should be located along the presumed corridor of the mafic intrusive.

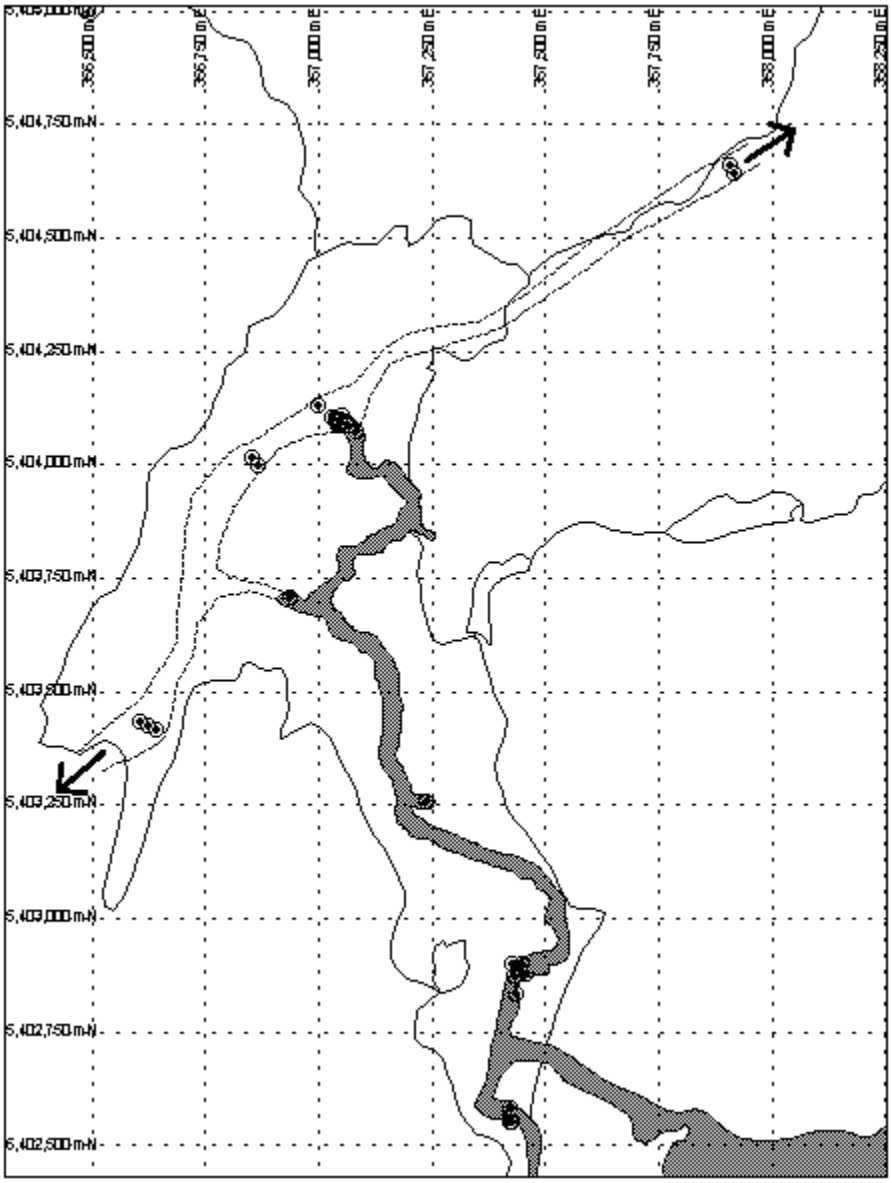


Figure 3: Plan map showing drill hole locations in relation to the ultramafic intrusive (shaded grey) and the mafic intrusive (dotted line).

References

N.B. Unpublished items marked *** should be available in the MNDM assessment files, Thunder Bay office.

Benkis,RA (1977) NTS 52-A-15 MW option, Greenwich Lake area, Ontario. Geological Report. MNDM Thunder Bay office, Assessment File 2.2295, NTS 52A15/SW, Mineral Exploration File 014. Rio Tinto Canadian Exploration Ltd, v+25pp. plus map and drill plan, report plus larger folder of 5 maps, 2 sections and 39 profiles. ***

EMR Canada (1975) Greenwich Lake. Energy, Mines and Resources Canada, NTS map sheet 52A/15, 1:50,000 scale.

Harper,G and Wilson,G.C. (2000) Prospecting for Cu-Ni-PGE mineralization in the Thunder Bay district, northwestern Ontario. Report for OPAP Program, Mines Group, MNDM, Sudbury, Ontario, 66pp. plus assay sheets and 16 maps. ***

Hart, T.R and MacDonald, C.A. (2007) Proterozoic and Archean geology of the Nipigon Embayment: implications for emplacement of the Mesoproterozoic Nipigon diabase sills and mafic to ultramafic intrusions. Canadian Journal of Earth Science, Vol.44: pp.1021-1040.

Heaman, L.M, Easton, R.M., Hart, T.R., MacDonald, C.A., Hollings, P., and Smyk, M. (2007) Further refinement to the timing of Mesoproterozoic magmatism, Lake Nipigon Region, Ontario. Lake Nipigon Region Geoscience Initiative, Canadian Journal of Earth Science, Vol. 44: pp. 1055-1086.

Heggie, G.J (2005). Whole rock geochemistry, mineral chemistry, petrology and Pt, Pd mineralization of the Seagull intrusion, northwestern Ontario, Unpublished M.Sc. thesis, Lakehead University, Thunder Bay, Ontario, 156p.

Kleinboeck,J.M and Jobin-Bevans, S (2002) Final report: phase 1 diamond drilling, Current Lake property. Pacific North West Capital Corp., report on drill and assay work of 25 September- 23 October 2002. ***

Williams, H.R. (1991). Quetico Subprovince. In Geology of Ontario. Edited by P.C. Thurston, H.R.Williams, R.H. Sutcliffe, and G.M. Stott. Ontario Geological Survey, Special Vol. 4, Part1, pp. 383-403.

Wilson,G.C. (2006a) Field geology and petrography, claim block 842189, `Thunder Bay North' project, Greenwich Lake area (S.W.), Thunder Bay mining division, northwest Ontario. TGSL Report 2006-01F, x+60pp. plus map., for Magma Metals Limited, West Perth, WA. ***

Wilson,G.C (2006b) Thunder Bay North project, Greenwich Lake area (S.W.), Thunder Bay mining division, northwest Ontario: new field and petrographic observations. TGSL Report 2006-09F, viii+29pp., for Magma Metals Ltd, West Perth, WA. *Filed for MNDM assessment credits, as introduction to attached McPhar airborne geophysical surveys.* ***

Wilson,G.C. and Harper,G (2000) Prospecting for Cu-Ni-PGE mineralization in the Thunder Bay district, northwestern Ontario. Report for OPAP Program, Mines Group, MNDM, Sudbury, Ontario, 76pp. ***

Certificate of Qualification, J. Johnson

I, Justin R. Johnson, of 101 Whalen Street, Thunder Bay, ON do hereby certify that:

1. I hold a Bachelor of Science (Honours) Degree in Geology (2001), Bachelor of Science (Honours) Degree Physics and Geology (2001) and a Master of Science Degree (Geology) (2005) from Lakehead University, Thunder Bay, Ontario;

2. I have been employed as an independent contract geologist from 1999 to 2007 by various exploration companies within Ontario, Quebec, British Columbia and Durango, Mexico.

3. I am currently employed by Magma Metals (Canada) Limited in Thunder Bay, Ontario as a project geologist;

4. Permission is granted to Magma Metals (Canada) Limited to use this report in a prospectus or other financial offering;

Justin R. Johnson, MSc.
Senior Project Geologist

Certificate of Qualification, J. Dumas

I, ***Jamie Dumas*** of RR#3 Hwy 61, Thunder Bay, Ontario certify that:

- I graduated from Lakehead University, Thunder Bay, Ontario with a Bachelor of Science Degree in Geoarchaeology (Geology/Anthropology) (2002), and also hold a Bachelor of Arts Degree in Geography (2002);

- I have been employed in various positions working with geophysics, as a mine geologist, and as a contract prospector/geologist from 2003 to present by various exploration and mining companies within Ontario, Quebec, Nunavut and the Northwest Territories;

- I am currently a project geologist for Magma Metals (Canada) Limited in Thunder Bay Ontario;

- I have prepared this report on behalf of the client, Magma Metals (Canada) Limited, as impartial as possible;

- I do not believe that there is any misrepresentation in the information found within this report.

Jamie Dumas, B.Sc.

Appendix 1 Drill Logs

Hole Number: TBND214

Project: Thunder Bay North
Claim #: 842189
Logged: Jamie Dumas

Drill Company: George Downing Estate Drilling
Start Date: 2/3/2011
End Date: 2/5/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403254.61
Easting: 357239.75
Elevation: 470.91

Azimuth: 54.4°
Dip: -89.22°
Final Depth: 93.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	37.00	Ovw	Overburden - Water																			

Hole Number: TBND214

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/3/2011
Logged: Jamie Dumas **End Date:** 2/5/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403254.61 **Azimuth:** 54.4°
Easting: 357239.75 **Dip:** -89.22°
Elevation: 470.91 **Final Depth:** 93.00

Lithology From m	To m	Code	Rock description
0.00	37.00	Ovw	Overburden - Water
37.00	62.60	Upd	Peridotite

Magsus 0 100 200

From m	To m	Sulphide %	Cpy %	Po %	Py %
37.00	62.60	1.1	0.1	0.5	0.5

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
37.00	39.00	2.00	J556000	0.2430	0.226	426	1085	0.018	0.700	122	2480	2.97
39.00	41.00	2.00	J556001	0.2830	0.275	551	1260	0.023	0.900	141	3340	
41.00	43.00	2.00	J556002	0.1170	0.112	310	1320	0.010	0.800	138	3360	
43.00	45.00	2.00	J556003	0.0724	0.069	217	1320	0.007	0.700	135	2460	
45.00	47.00	2.00	J556004	0.1140	0.114	256	1265	0.011	0.500	132	2230	
47.00	49.00	2.00	J556005	0.0726	0.071	199	1320	0.008	0.700	136	2290	2.88
49.00	51.00	2.00	J556006	0.0753	0.077	214	1260	0.007	0.500	138	2610	
51.00	53.00	2.00	J556007	0.0614	0.060	201	1220	0.006	1.100	140	3040	
53.00	55.00	2.00	J556008	0.0756	0.074	263	1280	0.008	0.700	137	3090	
55.00	57.00	2.00	J556009	0.0478	0.041	183	1160	0.005	0.700	130	2990	
57.00	59.00	2.00	J556011	0.0432	0.044	228	1170	0.006	0.800	136	3210	2.95
59.00	60.60	1.60	J556012	0.0107	0.010	95	811	0.003	0.600	141	2170	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND214

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/3/2011
Logged: Jamie Dumas **End Date:** 2/5/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403254.61 **Azimuth:** 54.4°
Easting: 357239.75 **Dip:** -89.22°
Elevation: 470.91 **Final Depth:** 93.00

Lithology From m	To m	Code	Rock description
37.00	62.60	Upd	Peridotite
62.60	63.74	Fgx	Hem altered and partial melt granitoid
63.74	63.80	Fgx	Hem altered and partial melt granitoid
63.80	65.00	Fgx	Mafic Undifferentiated
65.00	93.00	Fgr	Granite

Magsus: 0 100 200

Sulphide %	Cpy %	Po %	Py %
1.1	0.1	0.5	0.5

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
59.00	60.60	1.60	J556012	0.0107	0.010	95	811	0.003	0.600	141	2170	
60.60	62.60	2.00	J556013	0.0067	0.006	77	571	0.003	0.250	111	1340	
62.60	64.60	2.00	J556014	0.0006	0.001	2	4	0.003	0.250	3	14	
64.60	66.60	2.00	J556015	0.0003	0.001	1	1	0.001	0.250	1	8	

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND214

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/3/2011
Logged: Jamie Dumas **End Date:** 2/5/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403254.61 **Azimuth:** 54.4°
Easting: 357239.75 **Dip:** -89.22°
Elevation: 470.91 **Final Depth:** 93.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
65.00	93.00	Fgr	Granite																			

Hole Number: TBND215

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/5/2011
Logged: Jamie Dumas **End Date:** 2/7/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402900.25 **Azimuth:** 153.3°
Easting: 357450.08 **Dip:** -88.67°
Elevation: 471.00 **Final Depth:** 141.00

Lithology From m	To m	Code	Rock description
0.00	16.25	Ovm	Overburden - Mud
16.25	17.30	Hr	Hybrid Classic Red
17.30	24.50	Hg	Hybrid Grey
24.50	56.60	Mgm	Gabbro - Melanocratic

Magsus (0 100 200)

From m	To m	Interval m	Sample	Sulphide %	Cpy %	Po %	Py %	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
16.25	17.30	1.05	J556016	3.2	0.1	0.1	3.0	0.0003	0.001	165	52	0.004	0.600	59	6	
17.30	18.50	1.20	J556017	1.2	0.1	0.1	1.0	0.0005	0.001	231	91	0.004	0.250	51	34	2.97
18.50	20.50	2.00	J556018					0.0010	0.001	206	92	0.004	0.600	43	110	
20.50	22.50	2.00	J556019					0.0551	0.016	344	148	0.016	0.250	48	392	
22.50	24.50	2.00	J556021	0.5			0.5	0.0412	0.022	192	196	0.010	0.250	51	781	
24.50	26.50	2.00	J556022	1.6	0.1	1.0	0.5	0.2770	0.267	841	891	0.022	0.250	101	1600	
26.50	28.50	2.00	J556023					0.0640	0.054	244	792	0.009	0.250	104	1800	2.94
28.50	30.50	2.00	J556024					0.0757	0.067	257	840	0.009	0.250	106	1970	

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND215

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/5/2011
Logged: Jamie Dumas **End Date:** 2/7/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402900.25 **Azimuth:** 153.3°
Easting: 357450.08 **Dip:** -88.67°
Elevation: 471.00 **Final Depth:** 141.00

Lithology From m	To m	Code	Rock description
24.50	56.60	Mgm	Gabbro - Melanocratic
56.60	57.20	Hg	Hybrid Grey
57.20	86.50	Mgm	Gabbro - Melanocratic

Magsus: 0 100 200

Sulphide %	Cpy %	Po %	Py %
1.6	0.1	1.0	0.5
3.2	0.1	3.0	0.1
6.0	0.5	5.0	0.5
3.6	0.1	3.0	0.5
2.2	0.1	2.0	0.1
4.0	0.1	3.0	0.9
2.2	0.1	2.0	0.1
3.5	0.5	2.0	1.0
4.5	0.5		4.0
11.0	3.0		8.0
3.5	0.5		3.0

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
28.50	30.50	2.00	J556024	0.0757	0.067	257	840	0.009	0.250	106	1970	
30.50	32.50	2.00	J556025	0.5960	0.571	1475	1260	0.036	0.800	129	2050	
32.50	34.50	2.00	J556026	0.3520	0.335	973	1060	0.024	0.800	117	1930	
34.50	36.50	2.00	J556027	0.4000	0.379	987	1150	0.027	0.600	121	2240	
36.50	38.50	2.00	J556028	0.2690	0.256	693	1050	0.019	0.250	120	2170	2.99
38.50	39.55	1.05	J556029	0.3960	0.398	1145	1240	0.027	0.800	129	2340	
39.55	40.55	1.00	J556031	0.4600	0.449	1185	1180	0.032	0.600	125	2120	
40.55	41.55	1.00	J556032	0.1300	0.118	378	898	0.013	0.250	109	2170	
41.55	42.55	1.00	J556033	0.7460	0.726	1905	1480	0.046	1.200	133	2350	2.93
42.55	43.55	1.00	J556034	0.9570	0.940	2550	1770	0.059	1.600	139	2240	
43.55	44.55	1.00	J556035	0.3130	0.299	840	1110	0.023	0.250	111	2230	
44.55	45.55	1.00	J556036	0.9440	0.882	1825	1540	0.056	1.100	131	2730	
45.55	46.55	1.00	J556037	0.6660	0.612	1335	1330	0.037	0.800	125	2380	
46.55	47.55	1.00	J556038	0.9470	0.877	2060	1600	0.055	1.100	130	2680	
47.55	48.55	1.00	J556039	1.2200	1.180	2720	1820	0.080	1.700	138	2750	
48.55	49.55	1.00	J556041	1.2500	1.220	2900	1840	0.080	1.900	137	2700	
49.55	50.55	1.00	J556042	0.7360	0.679	1640	1240	0.050	1.300	111	2220	
50.55	51.55	1.00	J556043	0.3170	0.302	815	953	0.023	0.250	106	1870	
51.55	52.55	1.00	J556044	0.5300	0.473	1210	1080	0.041	1.200	108	2040	2.97
52.55	53.55	1.00	J556045	0.3330	0.299	805	989	0.025	0.800	103	2040	
53.55	54.55	1.00	J556046	1.4300	1.340	3040	2140	0.080	1.800	157	2240	
54.55	55.55	1.00	J556047	1.6400	1.490	3190	1890	0.110	1.900	133	2290	
55.55	56.55	1.00	J556048	1.6400	1.470	3090	1660	0.120	2.200	124	2260	2.95
56.55	57.55	1.00	J556049	13.1000	9.570	17350	3700	0.690	13.500	143	1230	
57.55	58.55	1.00	J556050	1.0100	0.870	1840	1220	0.080	1.300	107	2270	
58.55	59.55	1.00	J556051	0.2690	0.235	556	1030	0.019	0.250	101	2260	
59.55	60.55	1.00	J556052	0.7100	0.657	1250	1340	0.042	0.900	116	2270	

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND215

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/5/2011
Logged: Jamie Dumas **End Date:** 2/7/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402900.25 **Azimuth:** 153.3°
Easting: 357450.08 **Dip:** -88.67°
Elevation: 471.00 **Final Depth:** 141.00

Lithology From m	To m	Code	Rock description
57.20	86.50	Mgm	Gabbro - Melanocratic
86.50	87.55	Hg	Hybrid Grey
87.55	88.35	Hg	Hybrid Grey
88.35	110.85	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
3.5	0.5		3.0
8.0	1.0	5.0	2.0
6.0	1.0	3.0	2.0
8.0	1.0	5.0	2.0
5.1	0.1	3.0	2.0
19.1	2.1	10.0	7.0
5.1	0.1	3.0	2.0
0.5		0.5	
1.6	0.1	1.0	0.5
4.5	0.5	3.0	1.0
6.0	1.0	3.0	2.0
9.0	1.0	5.0	3.0
15.0	3.0	7.0	5.0
1.0		0.9	0.1
0.9			0.9
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
59.55	60.55	1.00	J556052	0.7100	0.657	1250	1340	0.042	0.900	116	2270	
60.55	61.55	1.00	J556053	1.0500	0.940	2220	1635	0.070	1.500	136	2230	
61.55	62.55	1.00	J556054	2.0600	1.840	3920	2520	0.120	2.700	172	1970	
62.55	63.55	1.00	J556055	3.3300	3.160	7050	5200	0.140	3.000	269	1650	
63.55	64.55	1.00	J556056	4.1800	3.740	8110	3930	0.270	5.900	195	1635	
64.55	65.55	1.00	J556057	2.9200	2.460	5150	1825	0.210	4.400	130	1825	2.94
65.55	66.55	1.00	J556058	0.8100	0.730	1535	1210	0.056	1.400	120	1995	
66.55	67.55	1.00	J556059	0.1280	0.115	486	923	0.011	0.700	113	1790	
67.55	68.55	1.00	J556061	0.6230	0.551	1785	1355	0.040	1.400	120	1850	
68.55	69.55	1.00	J556062	1.3100	1.180	3220	1815	0.080	2.100	143	1885	
69.55	70.55	1.00	J556063	0.8000	0.746	1920	1500	0.053	1.500	130	2000	
70.55	71.55	1.00	J556064	0.2210	0.204	719	1060	0.017	0.600	114	2070	2.91
71.55	72.55	1.00	J556065	0.9520	0.893	2300	1665	0.057	1.500	137	1940	
72.55	73.55	1.00	J556066	2.0600	1.900	5680	3290	0.110	3.100	208	1815	3.02
73.55	74.55	1.00	J556067	1.1900	1.100	2980	1760	0.090	2.200	140	1950	
74.55	75.55	1.00	J556068	0.7530	0.712	2630	1515	0.057	2.200	133	2180	
75.55	76.55	1.00	J556069	2.6300	1.800	4990	1955	0.170	3.400	136	2030	
76.55	77.55	1.00	J556071	0.1230	0.110	376	1105	0.012	0.250	123	2350	
77.55	78.55	1.00	J556072	0.0003	0.001	309	1130	0.001	0.250	126	2600	
78.55	79.55	1.00	J556073	0.3570	0.325	1190	1405	0.028	1.000	131	2360	
79.55	80.55	1.00	J556074	0.4310	0.387	1245	1320	0.035	1.100	128	2310	
80.55	81.55	1.00	J556075	1.1400	0.950	3120	1450	0.100	2.900	123	2090	
81.55	82.55	1.00	J556076	1.6000	1.440	4640	3000	0.110	2.900	187	2410	2.93
82.55	83.55	1.00	J556077	1.7600	1.600	4800	2140	0.140	3.900	152	2200	2.91
83.55	84.55	1.00	J556078	0.9150	0.887	2650	1935	0.070	2.100	163	2340	
84.55	85.55	1.00	J556079	1.7800	1.700	6230	3190	0.150	4.000	223	1420	3.02
85.55	86.55	1.00	J556081	0.0521	0.052	239	479	0.008	0.250	102	817	
86.55	87.55	1.00	J556083	0.0021	0.003	57	71	0.004	0.500	67	70	
87.55	88.25	0.70	J556084	0.0011	0.001	20	19	0.003	0.250	39	22	
88.25	88.35	0.10	J569128	0.0003	0.001	7	10	0.002	1.200	37		
88.35	89.35	1.00	J556085	0.0003	0.002	12	7	0.003	0.250	2	4	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND215

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/5/2011
Logged: Jamie Dumas **End Date:** 2/7/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402900.25 **Azimuth:** 153.3°
Easting: 357450.08 **Dip:** -88.67°
Elevation: 471.00 **Final Depth:** 141.00

From m	To m	Code	Rock description	Magsus	Sulphide %	Cpy %	Po %	Py %
88.35	110.85	Fgd	Granodiorite		0.1			0.1
110.85	117.40		Granodiorite					
117.40	131.00		Granodiorite					

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm	Pt + Pd (ppm)
116.85	117.00	0.15	413151									2.63	

Depth scale: 90, 95, 100, 105, 110, 115, 120

Hole Number: TBND215

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/5/2011
Logged: Jamie Dumas **End Date:** 2/7/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402900.25 **Azimuth:** 153.3°
Easting: 357450.08 **Dip:** -88.67°
Elevation: 471.00 **Final Depth:** 141.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
117.40	131.00	Fgd	Granodiorite																			
131.00	132.15		Granodiorite																			
132.15	141.00		Granodiorite																			

Hole Number: TBND216

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/7/2011
Logged: Justin Johnson **End Date:** 2/8/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402874.84 **Azimuth:** 81.4°
Easting: 357460.46 **Dip:** -88.60°
Elevation: 471.00 **Final Depth:** 105.00

Lithology From m	To m	Code	Rock description
0.00	19.20	Ovm	Overburden - Mud
19.20	21.65	Fgd	Granodiorite
21.65	23.60	Fgx	Hem altered and partial melt granitoid
23.60	45.50	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
22.20	22.30	0.10	413152									2.60

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND216

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/7/2011
Logged: Justin Johnson **End Date:** 2/8/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402874.84 **Azimuth:** 81.4°
Easting: 357460.46 **Dip:** -88.60°
Elevation: 471.00 **Final Depth:** 105.00

Lithology From m	To m	Code	Rock description
23.60	45.50	Fgd	Granodiorite
45.50	54.45		Granodiorite
54.45	56.60		Tonalite
56.60	57.70		Granodiorite
57.70	58.90		Tonalite
58.90	81.65		Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
32.78	32.85	0.07	413153									2.59
41.50	41.65	0.15	413154									2.59

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND216

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/7/2011
Logged: Justin Johnson **End Date:** 2/8/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402874.84 **Azimuth:** 81.4°
Easting: 357460.46 **Dip:** -88.60°
Elevation: 471.00 **Final Depth:** 105.00

Lithology

From m	To m	Code	Rock description
58.90	81.65	Fgd	Granodiorite
81.65	84.40	Hr	Hybrid Classic Red
84.40	84.55	[illegible]	Peridotite
84.55	87.15	Hr	Hybrid Classic Red
87.15	91.35	Fgd	Granodiorite

Sulphides

Sulphide %	Cpy %	Po %	Py %
0.1			0.1
1.0			1.0
5.0			5.0
0.5			0.5
2.0			2.0
5.0			5.0
3.0			3.0
0.5			0.5
0.1			0.1

Assays

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
81.65	81.95	0.30	J556086	0.0003	0.001	8	5	0.002	0.600	36		
81.95	83.80	1.85	J556087	0.0003	0.001	26	35	0.002	0.500	58		
83.80	84.40	0.60	J556088	0.0003	0.001	19	47	0.001	1.100	57		
84.40	84.55	0.15	J556089	0.0003	0.001	1	23	0.001	0.250	25		
84.55	84.75	0.20	J556090	0.0003	0.001	7	81	0.001	0.900	73		
84.75	86.50	1.75	J556091	0.0006	0.001	38	55	0.002	1.800	66		
86.50	87.00	0.50	J556092	0.0003	0.001	29	13	0.002	0.900	41		
87.00	87.15	0.15	J556093	0.0003	0.001	6	9	0.003	1.000	36		

Magsus (0 100 200) — Pt + Pd (ppm) (0 2 4 6 8 10)

Depth scale: 60, 65, 70, 75, 80, 85, 90

Hole Number: TBND216

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/7/2011
Logged: Justin Johnson **End Date:** 2/8/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402874.84 **Azimuth:** 81.4°
Easting: 357460.46 **Dip:** -88.60°
Elevation: 471.00 **Final Depth:** 105.00

Lithology From m	To m	Code	Rock description
87.15	91.35	Fgd	Granodiorite
91.35	91.45		Hybrid Grey
91.45	93.00	Fgd	Granodiorite
93.00	93.05		Hybrid Grey
93.05	105.00	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
91.35	91.45	0.10	J556094	0.0003	0.001	5	9	0.002	1.100	24		

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND217

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/9/2011
Logged: Justin Johnson **End Date:** 2/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402898.73 **Azimuth:** 335.1°
Easting: 357430.49 **Dip:** -89.80°
Elevation: 470.37 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
0.00	13.10	Ovm	Overburden - Mud
13.10	31.70	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
15.70	15.84	0.14	413155									2.61

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND217

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/9/2011
Logged: Justin Johnson **End Date:** 2/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402898.73 **Azimuth:** 335.1°
Easting: 357430.49 **Dip:** -89.80°
Elevation: 470.37 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
13.10	31.70	Fgd	Granodiorite
31.70	36.15	Fg	Hem altered and partial melt granitoid
36.15	84.69	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
36.55	36.70	0.15	413156									2.60

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND217

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/9/2011
Logged: Justin Johnson **End Date:** 2/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402898.73 **Azimuth:** 335.1°
Easting: 357430.49 **Dip:** -89.80°
Elevation: 470.37 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
36.15	84.69	Fgd	Granodiorite
84.69	84.72	Hg	Hybrid Grey
84.72	85.60	Fgd	Granodiorite
85.60	91.15	Hg	Hybrid Grey

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1
3.0			3.0
5.0			5.0
1.0			1.0

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
85.60	85.90	0.30	J556095	0.0003	0.001	39	9	0.002	1.100	35		

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND217

Project: Thunder Bay North
Claim #: 842189
Logged: Justin Johnson

Drill Company: George Downing Estate Drilling
Start Date: 2/9/2011
End Date: 2/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402898.73
Easting: 357430.49
Elevation: 470.37

Azimuth: 335.1°
Dip: -89.80°
Final Depth: 99.00

Lithology				Magsus	Sulphide	Cpy	Po	Py
From m	To m	Code	Rock description	0 100 200	%	%	%	%
85.60	91.15	Hg	Hybrid Grey		1.0			1.0
91.15	99.00	Fgd	Granodiorite		0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
90.00	91.00	1.00	J556096	0.0005	0.001	52	21	0.002	0.900	48		2.78
91.00	91.15	0.15	J556097	0.0003	0.001	37	7	0.002	0.900	37		

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND218

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/10/2011
Logged: Justin Johnson **End Date:** 2/11/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402832.06 **Azimuth:** 198.3°
Easting: 357437.32 **Dip:** -89.69°
Elevation: 471.00 **Final Depth:** 141.00

Lithology				Magsus	Sulphide	Cpy	Po	Py
From m	To m	Code	Rock description	0 100 200	%	%	%	%
0.00	24.10	Ovm	Overburden - Mud					
24.10	50.45	Mgm	Gabbro - Melanocratic		0.1 / 1.0		0.1 / 1.0	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm	Pt + Pd (ppm) 0 2 4 6 8 10
24.10	25.45	1.35	J556098	0.0192	0.009	189	125	0.007	0.250	50	296		
25.45	27.45	2.00	J556099	0.0186	0.008	145	159	0.005	0.250	52	411	3.02	
27.45	29.45	2.00	J556101	0.0810	0.082	276	524	0.012	0.250	82	952		
29.45	31.45	2.00	J556102	0.2780	0.267	775	805	0.021	0.250	96	1285		

Hole Number: TBND218

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/10/2011
Logged: Justin Johnson **End Date:** 2/11/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402832.06 **Azimuth:** 198.3°
Easting: 357437.32 **Dip:** -89.69°
Elevation: 471.00 **Final Depth:** 141.00

Lithology From m	To m	Code	Rock description
24.10	50.45	Mgm	Gabbro - Melanocratic
50.45	50.85	Zib	Mixed Intrusion Breccia
50.85	63.00	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
1.0		1.0	
1.5		1.0	0.5
2.6	0.1	2.0	0.5
3.6	0.1	3.0	0.5
1.6	0.1	1.0	0.5
3.6	0.1	3.0	0.5
2.6	0.1	2.0	0.5
3.6	0.1	3.0	0.5
2.6	0.1	2.0	0.5
1.0		1.0	
0.6		0.5	0.1
6.0	1.0	3.0	2.0
1.0		1.0	2.0
2.1		0.1	0.1
0.1			

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
29.45	31.45	2.00	J556102	0.2780	0.267	775	805	0.021	0.250	96	1285	
31.45	33.45	2.00	J556103	0.1630	0.153	468	784	0.014	0.250	100	1425	
33.45	34.45	1.00	J556104	0.4540	0.453	1170	979	0.031	0.600	108	1500	
34.45	35.45	1.00	J556105	0.4420	0.425	1040	1070	0.030	0.600	115	1865	
35.45	36.45	1.00	J556106	0.7600	0.750	1805	1370	0.046	0.700	122	1600	2.99
36.45	37.45	1.00	J556107	0.4940	0.475	1310	949	0.034	0.250	100	1365	2.90
37.45	38.45	1.00	J556108	0.6120	0.606	1710	1160	0.040	0.900	115	1625	
38.45	39.45	1.00	J556109	0.6050	0.579	1395	988	0.041	0.600	102	1515	
39.45	40.45	1.00	J556111	0.5790	0.568	1595	1110	0.037	0.800	112	1565	
40.45	41.45	1.00	J556112	1.3000	1.320	3460	1685	0.090	2.000	135	1580	2.99
41.45	42.45	1.00	J556113	1.5700	1.560	3830	1800	0.100	2.300	131	1510	
42.45	43.45	1.00	J556114	1.8900	1.760	4100	1440	0.140	3.500	119	1680	
43.45	44.45	1.00	J556115	1.0900	0.980	2110	1035	0.080	1.600	102	1770	
44.45	45.45	1.00	J556116	0.1710	0.160	351	805	0.014	0.250	98	1910	
45.45	46.45	1.00	J556117	0.4940	0.439	870	954	0.035	0.250	99	2020	
46.45	47.45	1.00	J556118	0.1510	0.138	380	890	0.012	0.250	99	2250	
47.45	48.45	1.00	J556119	0.1140	0.094	257	858	0.010	0.250	100	2210	
48.45	49.45	1.00	J556121	0.1090	0.091	247	775	0.009	0.250	91	2130	
49.45	50.45	1.00	J556122	0.8410	0.775	1850	1355	0.043	0.600	111	1510	3.02
50.45	50.95	0.50	J556123	0.6370	0.592	1430	387	0.032	2.100	27	88	2.55
50.95	51.45	0.50	J556124	0.0054	0.005	37	15	0.003	0.250	2	14	
51.45	52.45	1.00	J556125	0.0527	0.079	58	27	0.009	0.600	4	23	
52.45	53.45	1.00	J556126	0.0038	0.014	39	8	0.004	0.800	2	21	
53.45	54.45	1.00	J556127	0.0049	0.005	3	4	0.003	0.250	1	13	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND218

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/10/2011
Logged: Justin Johnson **End Date:** 2/11/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402832.06 **Azimuth:** 198.3°
Easting: 357437.32 **Dip:** -89.69°
Elevation: 471.00 **Final Depth:** 141.00

Lithology From m	To m	Code	Rock description
50.85	63.00	Fgd	Granodiorite
63.00	85.00	Fgd	Granodiorite
85.00	85.85	Hg	Hybrid Grey
85.85	89.10	Mgm	Gabbro - Melanocratic
89.10	91.75	Hg	Hybrid Grey

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1
1.0			1.0
4.0			4.0
8.0			8.0
13.0		1.0	13.0
4.0			3.0
7.0			5.0
2.0		2.0	1.0
1.0			1.0
5.0		1.0	5.0

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
63.20	63.40	0.20	413157									2.59
83.00	85.00	2.00	J556128	0.0005	0.001	1	1	0.002	0.250	1	14	2.58
85.00	85.85	0.85	J556129	0.0032	0.003	67	166	0.007	0.250	58	328	2.84
85.85	87.85	2.00	J556130	0.0064	0.006	61	631	0.005	0.250	122	1340	
87.85	89.10	1.25	J556131	0.0014	0.001	53	375	0.003	0.250	108	880	
89.10	91.10	2.00	J556132	0.0006	0.001	44	86	0.002	0.250	68	152	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND218

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/10/2011
Logged: Justin Johnson **End Date:** 2/11/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402832.06 **Azimuth:** 198.3°
Easting: 357437.32 **Dip:** -89.69°
Elevation: 471.00 **Final Depth:** 141.00

Lithology From m	To m	Code	Rock description
89.10	91.75	Hg	Hybrid Grey
91.75	117.20	Fgd	Granodiorite
117.20	121.40	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
5.0			5.0
1.0			1.0
2.0			2.0
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
89.10	91.10	2.00	J556132	0.0006	0.001	44	86	0.002	0.250	68	152	
91.10	91.75	0.65	J556133	0.0005	0.001	27	15	0.003	0.250	37	11	
91.75	93.75	2.00	J556134	0.0003	0.001	1	1	0.002	0.250	1	13	2.61

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND218

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/10/2011
Logged: Justin Johnson **End Date:** 2/11/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402832.06 **Azimuth:** 198.3°
Easting: 357437.32 **Dip:** -89.69°
Elevation: 471.00 **Final Depth:** 141.00

Lithology From m	To m	Code	Rock description
117.20	121.40		Granodiorite
121.40	141.00	Fgd	Granodiorite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
139.50	139.70	0.20	413158									2.62

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND219

Project: Thunder Bay North
Claim #: 842186
Logged: Geoff Haggie

Drill Company: George Downing Estate Drilling
Start Date: 2/12/2011
End Date: 2/12/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402560.80
Easting: 357425.13
Elevation: 470.86

Azimuth: 208.1°
Dip: -88.42°
Final Depth: 120.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	24.00	Ovg	Overburden - Glacial																			
24.00	63.50	Fg	Granite - Undifferentiated																			

Hole Number: TBND219

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/12/2011
Logged: Geoff Haggie **End Date:** 2/12/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402560.80 **Azimuth:** 208.1°
Easting: 357425.13 **Dip:** -88.42°
Elevation: 470.86 **Final Depth:** 120.00

Lithology From m	To m	Code	Rock description
24.00	63.50	Fg	Granite - Undifferentiated

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
31.00	31.20	0.20	413159									2.63
45.00	45.20	0.20	413160									2.63

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND219

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/12/2011
Logged: Geoff Haggie **End Date:** 2/12/2011

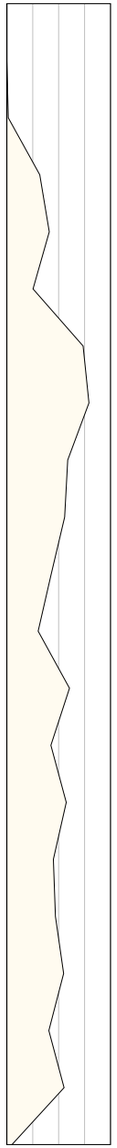
Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

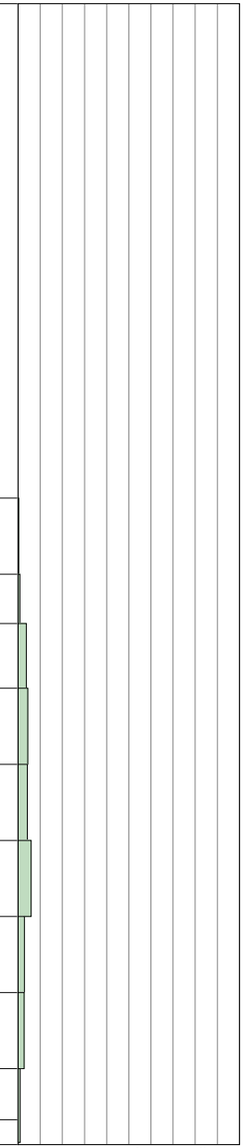
Northing: 5402560.80 **Azimuth:** 208.1°
Easting: 357425.13 **Dip:** -88.42°
Elevation: 470.86 **Final Depth:** 120.00

From m	To m	Code	Rock description
24.00	63.50	Fg	Granite - Undifferentiated
63.50	75.90	Hr	Hybrid Classic Red
75.90	76.30	Zib	Mixed Intrusion Breccia
76.30	89.95	Upd	Peridotite
89.95	90.85	Fgx	Hem altered and partial melt granitoid



From m	To m	Sulphide %	Cpy %	Po %	Py %
75.90	76.30	0.6	0.1	0.5	
76.30	89.95	1.0	0.1	0.9	
		0.6	0.1	0.5	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
73.00	75.00	2.00	J556135	0.0184	0.005	238	118	0.007	0.250	47	215	2.94
75.00	76.30	1.30	J556136	0.0403	0.040	186	216	0.006	0.250	59	717	
76.30	78.00	1.70	J556137	0.1865	0.187	401	1015	0.016	0.250	133	1960	
78.00	80.00	2.00	J556138	0.2170	0.221	613	1310	0.019	0.250	141	2380	2.89
80.00	82.00	2.00	J556139	0.2060	0.210	630	1330	0.017	0.250	141	2590	
82.00	84.00	2.00	J556141	0.2940	0.292	878	1395	0.024	0.500	138	2880	
84.00	86.00	2.00	J556142	0.1430	0.139	623	1155	0.011	0.250	127	2720	2.89
86.00	88.00	2.00	J556143	0.1395	0.133	492	1160	0.012	0.250	122	2450	
88.00	89.94	1.94	J556144	0.0492	0.045	255	872	0.005	0.250	115	2130	
89.94	90.85	0.91	J556145	0.0016	0.001	23	51	0.001	0.250	20	95	



Hole Number: TBND219

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/12/2011
Logged: Geoff Haggie **End Date:** 2/12/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402560.80 **Azimuth:** 208.1°
Easting: 357425.13 **Dip:** -88.42°
Elevation: 470.86 **Final Depth:** 120.00

Lithology From m	To m	Code	Rock description
89.95	90.85	Fgx	Hem altered and partial melt granitoid
90.85	93.48	Mg	Gabbro
93.48	95.60	Fgx	Hem altered and partial melt granitoid
95.60	117.00	SSS	Sandstone to Siltstone
117.00	120.00	Fg	Granite - Undifferentiated

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.6	0.1	0.5	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
89.94	90.85	0.91	J556145	0.0016	0.001	23	51	0.001	0.250	20	95	
90.85	93.00	2.15	J556146	0.0010	0.001	53	67	0.002	0.250	68	96	2.95
93.00	93.48	0.48	H745835	0.0003	0.001	30	15	0.001	0.250	32		
93.48	95.60	2.12	J556147	0.0006	0.001	13	5	0.003	0.250	2	22	
95.60	97.60	2.00	J556148	0.0017	0.002	76	71	0.001	0.250	20	113	2.76
107.00	107.20	0.20	413161									2.75

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND220

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/14/2011
Logged: Geoff Haggie **End Date:** 2/14/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402549.42 **Azimuth:** 70.3°
Easting: 357426.58 **Dip:** -88.90°
Elevation: 466.55 **Final Depth:** 99.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	27.00	Ovg	Overburden - Glacial																			
27.00	51.10	Fg	Granite - Undifferentiated																			

Hole Number: TBND220

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/14/2011
Logged: Geoff Haggie **End Date:** 2/14/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402549.42 **Azimuth:** 70.3°
Easting: 357426.58 **Dip:** -88.90°
Elevation: 466.55 **Final Depth:** 99.00

Lithology

From m	To m	Code	Rock description
27.00	51.10	Fg	Granite - Undifferentiated
51.10	51.60	Zfm	Interfingered Felsic/Mafic
51.60	52.10		Mixed Intrusion Breccia
52.10	68.00	Hr	Hybrid Classic Red

Samples

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
35.00	35.20	0.20	413162									2.63
49.00	49.20	0.20	413163									2.60
57.00	57.20	0.20	413164									2.72

Columns with no data: Magsus (0 100 200), Sulphide %, Cpy %, Po %, Py %, Pt + Pd (ppm) (0 2 4 6 8 10).

Depth scale: 30 35 40 45 50 55 60

Hole Number: TBND220

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/14/2011
Logged: Geoff Haggie **End Date:** 2/14/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402549.42 **Azimuth:** 70.3°
Easting: 357426.58 **Dip:** -88.90°
Elevation: 466.55 **Final Depth:** 99.00

From m	To m	Code	Rock description
52.10	68.00	Hr	Hybrid Classic Red
68.00	76.50	Mg	Gabbro
76.50	91.04	Upd	Peridotite

From m	To m	Sulphide %	Cpy %	Po %	Py %
76.50	91.04	0.6		0.5	
		1.4		0.9	
		1.5		1.0	
		2.5		2.0	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
62.50	62.70	0.20	413165									2.78
70.00	70.20	0.20	413166									2.90
71.00	73.00	2.00	J556151	0.0031	0.004	218	96	0.003	0.250	61	18	2.96
73.00	75.00	2.00	J556152	0.0245	0.006	317	143	0.007	0.250	56	123	
75.00	76.60	1.60	J556153	0.0245	0.018	188	151	0.007	0.250	51	576	
76.60	78.00	1.40	J556154	0.2160	0.195	363	814	0.017	0.250	115	1605	
78.00	80.00	2.00	J556155	0.0906	0.082	243	1155	0.008	0.250	131	2350	2.89
80.00	82.00	2.00	J556156	0.1190	0.108	318	1260	0.009	0.250	136	2740	
82.00	84.00	2.00	J556157	0.1720	0.160	460	1270	0.014	0.250	135	2730	
84.00	86.00	2.00	J556158	0.2090	0.184	570	1285	0.017	0.250	137	2800	2.86
86.00	88.00	2.00	J556159	0.2750	0.240	710	1275	0.022	0.250	128	2420	
88.00	90.00	2.00	J556161	0.1530	0.133	510	1000	0.023	0.250	125	2110	2.92

Hole Number: TBND220

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/14/2011
Logged: Geoff Haggie **End Date:** 2/14/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402549.42 **Azimuth:** 70.3°
Easting: 357426.58 **Dip:** -88.90°
Elevation: 466.55 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
76.50	91.04	Upd	Peridotite
91.04	99.00	Fg	Granite - Undifferentiated

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1		0.1	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
90.00	90.70	0.70	J556162	0.0063	0.006	91	292	0.003	0.250	83	475	
90.70	91.04	0.34	J556163	0.0008	0.001	6	18	0.002	0.250	27	12	2.82
91.04	93.00	1.96	J556164	0.0003	0.001	4	3	0.002	0.250	2	7	
93.00	95.00	2.00	J556165	0.0003	0.001	3	1	0.002	0.250	1	6	2.61
97.00	97.20	0.20	413167									2.60

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND221

Project: Thunder Bay North
Claim #: 842186
Logged: Geoff Haggie

Drill Company: George Downing Estate Drilling
Start Date: 2/15/2011
End Date: 2/16/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402549.40
Easting: 357426.57
Elevation: 470.86

Azimuth: 0.0°
Dip: -90.00°
Final Depth: 105.00

Lithology From m	To m	Code	Rock description
0.00	22.55	Ovg	Overburden - Glacial
22.55	27.30	Fg	Granite - Undifferentiated
27.30	52.70	SSS	Sandstone to Siltstone

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND221

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/15/2011
Logged: Geoff Haggie **End Date:** 2/16/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402549.40 **Azimuth:** 0.0°
Easting: 357426.57 **Dip:** -90.00°
Elevation: 470.86 **Final Depth:** 105.00

Lithology From m	To m	Code	Rock description
27.30	52.70	SSS	Sandstone to Siltstone
52.70	57.80	Fg	Granite - Undifferentiated
57.80	62.30	SSS	Sandstone to Siltstone

Magsus 0 100 200

Sulphide %

Cpy %

Po %

Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
32.00	32.20	0.20	413168									2.75
50.50	50.70	0.20	413169									2.81
56.60	56.80	0.20	413170									2.61

Pt + Pd (ppm) 0 2 4 6 8 10

30 35 40 45 50 55 60

Hole Number: TBND221

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 2/15/2011
Logged: Geoff Haggie **End Date:** 2/16/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402549.40 **Azimuth:** 0.0°
Easting: 357426.57 **Dip:** -90.00°
Elevation: 470.86 **Final Depth:** 105.00

Lithology From m	To m	Code	Rock description
57.80	62.30	SSS	Sandstone to Siltstone
62.30	64.25	Fg	Granite - Undifferentiated
64.25	65.00	SSS	Sandstone to Siltstone
65.00	65.70	Fg	Granite - Undifferentiated
65.70	70.10	SSS	Sandstone to Siltstone
70.10	71.60	Fg	Granite - Undifferentiated
71.60	90.10	SSS	Sandstone to Siltstone

Magsus 0 100 200

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
74.80	75.00	0.20	413171									2.74
89.00	90.10	1.10	J556166	0.0013	0.001	60	59	0.003	0.600	21		

Sulphide %, Cpy %, Po %, Py %

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND221

Project: Thunder Bay North
Claim #: 842186
Logged: Geoff Haggie

Drill Company: George Downing Estate Drilling
Start Date: 2/15/2011
End Date: 2/16/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

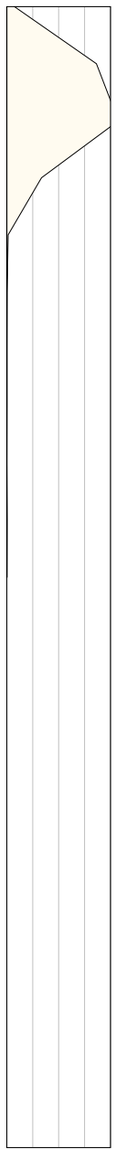
Coordinates (NAD 83, Zone 16)

Northing: 5402549.40
Easting: 357426.57
Elevation: 470.86

Azimuth: 0.0°
Dip: -90.00°
Final Depth: 105.00

Lithology

From m	To m	Code	Rock description
71.60	90.10		Sandstone to Siltstone
90.10	91.70	Mg	Gabbro
91.70	93.60	Mg	Gabbro
93.60	95.10	Mg	Gabbro
95.10	105.00	SSS	Sandstone to Siltstone



From m	To m	Sulphide %	Cpy %	Po %	Py %
71.60	90.10				
90.10	91.70				
91.70	93.60				
93.60	95.10				
95.10	105.00				

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
89.00	90.10	1.10	J556166	0.0013	0.001	60	59	0.003	0.600	21		
90.10	90.25	0.15	J556167	0.0003	0.001	15	8	0.001	0.600	36		
90.25	91.15	0.90	J556168	0.0003	0.001	17	12	0.002	0.700	39		
91.15	91.70	0.55	J556169	0.0003	0.001	12	70	0.002	0.250	72		
91.70	93.00	1.30	J556171	0.0016	0.002	34	72	0.002	0.900	76		
93.00	93.60	0.60	J556172	0.0008	0.001	32	55	0.002	0.600	66		2.95
93.60	94.90	1.30	J556173	0.0005	0.001	21	24	0.002	0.500	46		
94.90	95.10	0.20	J556174	0.0003	0.001	9	15	0.002	0.500	36		
95.10	96.00	0.90	J556175	0.0016	0.001	65	75	0.002	0.250	27		
104.50	104.70	0.20	413172									2.77

Hole Number: TBND222

Project: Thunder Bay North
Claim #: 842189
Logged: Geoff Haggie

Drill Company: George Downing Estate Drilling
Start Date: 2/16/2011
End Date: 2/17/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403705.44
Easting: 356940.32
Elevation: 468.52

Azimuth: 282.6°
Dip: -89.44°
Final Depth: 78.00

Lithology From m	To m	Code	Rock description
0.00	13.00	Ovm	Overburden - Mud
13.00	19.45	Ovm	Overburden - Glacial
19.45	23.00	Zib	Mixed Intrusion Breccia
23.00	29.40	Hr	Hybrid Classic Red
29.40	30.00	Hg	Hybrid Grey

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
26.00	28.00	2.00	J556176	0.0003	0.001	5	3	0.002	0.250	24	1	
28.00	30.00	2.00	J556177	0.0086	0.004	145	75	0.004	0.250	44	155	2.82

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND222

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/16/2011
Logged: Geoff Haggie **End Date:** 2/17/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403705.44 **Azimuth:** 282.6°
Easting: 356940.32 **Dip:** -89.44°
Elevation: 468.52 **Final Depth:** 78.00

Lithology From m	To m	Code	Rock description
30.00	49.19	Upd	Peridotite
49.19	49.83	Fg	Granite - Undifferentiated
49.83	50.00	M	Mafic Undifferentiated
50.00	78.00	Fg	Granite - Undifferentiated

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm	Pt + Pd (ppm)
30.00	32.00	2.00	J556178	0.0436	0.034	101	684	0.006	0.250	106	1060	2.93	
32.00	34.00	2.00	J556179	0.2780	0.252	500	1020	0.017	0.250	135	1500		
34.00	36.00	2.00	J556181	0.0239	0.019	87	1160	0.005	0.250	132	2200		
36.00	38.00	2.00	J556182	0.0794	0.070	171	1165	0.008	0.250	137	2960		
38.00	40.00	2.00	J556183	0.0382	0.032	95	1120	0.005	0.250	133	2720	2.82	
40.00	42.00	2.00	J556184	0.0548	0.050	161	1170	0.007	0.250	139	2850		
42.00	44.00	2.00	J556185	0.0718	0.066	221	1135	0.008	0.250	133	3120		
44.00	46.00	2.00	J556186	0.0675	0.060	199	1030	0.008	0.250	122	2570		
46.00	48.00	2.00	J556187	0.0248	0.020	108	804	0.004	0.250	126	2180	2.97	
48.00	49.05	1.05	J556188	0.0054	0.005	74	310	0.003	0.250	76	718		
49.05	49.19	0.14	J556189	0.1280	0.114	1145	246	0.015	0.250	46	23		
49.19	49.83	0.64	J556191	0.0007	0.001	14	6	0.002	0.250	3	11		
49.83	50.00	0.17	H745836	0.0010	0.001	9	20	0.001	0.250	43			
50.00	52.00	2.00	J556192	0.0006	0.001	5	4	0.002	0.250	2	17	2.60	

Hole Number: TBND222

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/16/2011
Logged: Geoff Haggie **End Date:** 2/17/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403705.44 **Azimuth:** 282.6°
Easting: 356940.32 **Dip:** -89.44°
Elevation: 468.52 **Final Depth:** 78.00

Lithology From m	To m	Code	Rock description
50.00	78.00	Fg	Granite - Undifferentiated

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
66.20	66.40	0.20	413173									2.60
75.00	75.20	0.20	413174									2.63

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND223

Project: Thunder Bay North
Claim #: 842189
Logged: Geoff Haggie

Drill Company: George Downing Estate Drilling
Start Date: 2/17/2011
End Date: 2/18/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404013.48
Easting: 356856.61
Elevation: 472.80

Azimuth: 323.6°
Dip: -89.71°
Final Depth: 90.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	15.00	Ovm	Overburden - Mud																			
15.00	38.00		Overburden - Glacial																			

Hole Number: TBND223

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/17/2011
Logged: Geoff Haggie **End Date:** 2/18/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404013.48 **Azimuth:** 323.6°
Easting: 356856.61 **Dip:** -89.71°
Elevation: 472.80 **Final Depth:** 90.00

Lithology From m	To m	Code	Rock description
15.00	38.00	Ovm	Overburden - Glacial
38.00	47.20	Fg	Granite - Undifferentiated
47.20	47.38	M	Mafic Undifferentiated
47.38	90.00	Fg	Granite - Undifferentiated

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
41.00	41.20	0.20	413175									2.65
47.27	47.38	0.11	J556193	0.0008	0.001	11	19	0.001	0.250	37		

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND223

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/17/2011
Logged: Geoff Haggie **End Date:** 2/18/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404013.48 **Azimuth:** 323.6°
Easting: 356856.61 **Dip:** -89.71°
Elevation: 472.80 **Final Depth:** 90.00

Lithology From m	To m	Code	Rock description
47.38	90.00	Fg	Granite - Undifferentiated

Magsus 0 100 200 | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
60.00	60.20	0.20	413176									2.63
71.00	71.20	0.20	413177									2.63
87.00	87.20	0.20	413178									2.63

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND224

Project: Thunder Bay North
Claim #: 842189
Logged: Geoff Haggie

Drill Company: George Downing Estate Drilling
Start Date: 2/19/2011
End Date: 2/19/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403998.20
Easting: 356869.12
Elevation: 472.40

Azimuth: 242.7°
Dip: -88.50°
Final Depth: 90.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	10.00	Ovw	Overburden - Water																			
10.00	41.00	Ovw	Overburden - Glacial																			

Hole Number: TBND224

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/19/2011
Logged: Geoff Haggie **End Date:** 2/19/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403998.20 **Azimuth:** 242.7°
Easting: 356869.12 **Dip:** -88.50°
Elevation: 472.40 **Final Depth:** 90.00

Lithology From m	To m	Code	Rock description
10.00	41.00	Ovw	Overburden - Glacial
41.00	48.57	Fg	Granite - Undifferentiated
48.57	48.74	M	Mafic Undifferentiated
48.74	49.55	Fg	Granite - Undifferentiated
49.55	49.60	M	Mafic Undifferentiated
49.60	51.50	Fg	Granite - Undifferentiated
51.50	90.00	Fg	Granite - Undifferentiated

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
41.40	41.60	0.20	413179									2.62
48.57	48.74	0.17	J556194	0.0005	0.001	23	15	0.001	0.250	24		

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND224

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/19/2011
Logged: Geoff Haggie **End Date:** 2/19/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403998.20 **Azimuth:** 242.7°
Easting: 356869.12 **Dip:** -88.50°
Elevation: 472.40 **Final Depth:** 90.00

Lithology From m	To m	Code	Rock description
51.50	90.00	Fg	Granite - Undifferentiated

Magsus 0 100 200 | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
62.40	62.60	0.20	413180									2.70
77.80	78.00	0.20	413181									2.67
89.70	89.90	0.20	413182									2.63

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND225

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/20/2011
Logged: Geoff Haggie **End Date:** 2/20/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404074.35 **Azimuth:** 278.1°
Easting: 357084.07 **Dip:** -88.70°
Elevation: 472.50 **Final Depth:** 75.00

From m	To m	Code	Rock description
0.00	15.00	Ovw	Overburden - Water
15.00	27.00		Overburden - Glacial
27.00	32.70	Fg	Granite - Undifferentiated

Magsus 0 100 200

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
29.80	30.00	0.20	413183									2.57

Sulphide %, Cpy %, Po %, Py %

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND225

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/20/2011
Logged: Geoff Haggie **End Date:** 2/20/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404074.35 **Azimuth:** 278.1°
Easting: 357084.07 **Dip:** -88.70°
Elevation: 472.50 **Final Depth:** 75.00

Lithology From m	To m	Code	Rock description
27.00	32.70	Fg	Granite - Undifferentiated
32.70	36.00	Upd	Peridotite
36.00	38.20	Mg	Gabbro
38.20	38.34	Fg	Granite - Undifferentiated
38.34	38.53	M	Mafic Undifferentiated
38.53	39.36	Fg	Granite - Undifferentiated
39.36	39.56	M	Mafic Undifferentiated
39.56	75.00	Fg	Granite - Undifferentiated

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.2		0.1	0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
30.00	32.00	2.00	J556195	0.0003	0.001	3	7	0.002	0.250	3	19	
32.00	32.70	0.70	J556196	0.0015	0.002	90	51	0.002	0.250	18	134	
32.70	34.00	1.30	J556197	0.0091	0.007	61	581	0.003	0.250	110	1450	2.93
34.00	36.00	2.00	J556198	0.0022	0.001	56	354	0.003	0.250	114	821	
36.00	38.20	2.20	J556199	0.0005	0.001	38	75	0.002	0.250	74	93	
38.20	38.34	0.14	J569201	0.0003	0.001	37	9	0.002	0.250	8	11	
38.34	38.53	0.19	H745837	0.0003	0.001	17	18	0.001	0.250	37		
39.36	39.56	0.20	H745838	0.0003	0.001	50	21	0.001	0.600	43		
44.80	45.00	0.20	413184									2.69

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND225

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/20/2011
Logged: Geoff Haggie **End Date:** 2/20/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404074.35 **Azimuth:** 278.1°
Easting: 357084.07 **Dip:** -88.70°
Elevation: 472.50 **Final Depth:** 75.00

Lithology				Magsus	Sulphide	Cpy	Po	Py
From m	To m	Code	Rock description	0 100 200	%	%	%	%
39.56	75.00	Fg	Granite - Undifferentiated					

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm	Pt + Pd (ppm) 0 2 4 6 8 10
63.00	63.20	0.20	413185									2.69	
74.40	74.60	0.20	413186									2.65	

Hole Number: TBND226

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/21/2011
Logged: Geoff Haggie **End Date:** 2/21/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404095.58 **Azimuth:** 59.9°
Easting: 357051.08 **Dip:** -89.62°
Elevation: 472.50 **Final Depth:** 75.00

Lithology From m	To m	Code	Rock description
0.00	21.00	Ovw	Overburden - Water
21.00	25.38		Overburden - Glacial
25.38	34.00	Upd	Peridotite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
1.0	0.1	0.9	
5.0	2.0	3.0	
1.0	0.1	0.9	
0.6	0.1	0.5	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
25.38	26.00	0.62	J569202	0.0473	0.044	185	1200	0.005	0.250	136	2610	
26.00	27.00	1.00	J569203	0.0897	0.085	322	1155	0.009	0.250	132	2720	
27.00	28.00	1.00	J569204	0.9670	0.895	2560	2180	0.069	2.100	165	2820	2.98
28.00	29.00	1.00	J569206	0.7130	0.691	2100	1615	0.055	1.700	164	2020	
29.00	30.00	1.00	J569207	0.0824	0.073	255	715	0.008	0.600	142	1890	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND226

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/21/2011
Logged: Geoff Haggie **End Date:** 2/21/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404095.58 **Azimuth:** 59.9°
Easting: 357051.08 **Dip:** -89.62°
Elevation: 472.50 **Final Depth:** 75.00

Lithology From m	To m	Code	Rock description
25.38	34.00	Upd	Peridotite
34.00	35.74	Hg	Hybrid Grey
35.74	38.00	SSS	Sandstone to Siltstone
38.00	48.10	Fg	Granite - Undifferentiated
48.10	48.50	SSS	Sandstone to Siltstone
48.50	64.00	Fg	Granite - Undifferentiated

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

Sulphide %	Cpy %	Po %
0.6	0.1	0.5

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
30.00	31.00	1.00	J569208	0.0153	0.016	95	704	0.002	0.500	124	1630	
31.00	32.00	1.00	J569209	0.0056	0.006	52	671	0.001	0.250	126	1300	
32.00	33.00	1.00	J569211	0.0033	0.005	52	496	0.002	0.500	119	1130	3.00
33.00	34.00	1.00	J569212	0.0013	0.001	51	290	0.020	0.700	96	649	2.97
34.00	35.00	1.00	J569213	0.0009	0.002	54	115	0.001	0.800	76	198	
35.00	35.74	0.74	J569214	0.0003	0.001	62	14	0.001	0.800	36	11	
35.74	38.00	2.26	J569215	0.0011	0.001	62	39	0.001	0.250	15	87	
38.00	40.00	2.00	J569216	0.0005	0.001	4	7	0.001	0.250	4	16	
41.10	41.30	0.20	413187									2.61
52.00	52.20	0.20	413188									2.63

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND226

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/21/2011
Logged: Geoff Haggie **End Date:** 2/21/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404095.58 **Azimuth:** 59.9°
Easting: 357051.08 **Dip:** -89.62°
Elevation: 472.50 **Final Depth:** 75.00

Lithology From m	To m	Code	Rock description
48.50	64.00	Fg	Granite - Undifferentiated
64.00	66.00	SSS	Sandstone to Siltstone
66.00	74.00	Fg	Granite - Undifferentiated
74.00	74.40	SSS	Sandstone to Siltstone
74.40	75.00	Fg	Granite - Undifferentiated

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
64.50	64.70	0.20	413189									2.76
74.75	75.00	0.25	413190									2.64

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND227

Project: Thunder Bay North
Claim #: 842189
Logged: Geoff Haggie

Drill Company: George Downing Estate Drilling
Start Date: 2/22/2011
End Date: 2/22/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404128.24
Easting: 357000.54
Elevation: 472.50

Azimuth: 342.9°
Dip: -89.30°
Final Depth: 75.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	15.00	Ovw	Overburden - Water																			
15.00	31.25		Overburden - Glacial																			

Hole Number: TBND227

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #:842189 **Start Date:** 2/22/2011
Logged: Geoff Haggie **End Date:** 2/22/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404128.24 **Azimuth:** 342.9°
Easting: 357000.54 **Dip:** -89.30°
Elevation: 472.50 **Final Depth:** 75.00

Lithology From m	To m	Code	Rock description
15.00	31.25	Ovw	Overburden - Glacial
31.25	32.30	SSS	Sandstone to Siltstone
32.30	42.00	Fg	Granite - Undifferentiated
42.00	45.50	SSS	Sandstone to Siltstone
45.50	54.00	Fg	Granite - Undifferentiated
54.00	57.90	SSS	Sandstone to Siltstone
57.90	65.15	Fg	Granite - Undifferentiated

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
31.25	31.50	0.25	413191									2.80
42.65	42.85	0.20	413192									2.74
56.70	57.00	0.30	413193									2.74

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND227

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/22/2011
Logged: Geoff Haggie **End Date:** 2/22/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404128.24 **Azimuth:** 342.9°
Easting: 357000.54 **Dip:** -89.30°
Elevation: 472.50 **Final Depth:** 75.00

Lithology From m	To m	Code	Rock description
57.90	65.15	Fg	Granite - Undifferentiated
65.15	75.00	SSS	Sandstone to Siltstone

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
72.60	72.80	0.20	413194									2.72

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND228

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/23/2011
Logged: Justin Johnson **End Date:** 2/24/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404083.33 **Azimuth:** 303.4°
Easting: 357067.69 **Dip:** -89.70°
Elevation: 472.50 **Final Depth:** 51.00

Lithology From m	To m	Code	Rock description
0.00	27.00	Ovm	Overburden - Mud
27.00	34.30	Mgm	Gabbro - Melanocratic

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
3.2	0.1	3.0	0.1
1.0			1.0

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
27.00	28.00	1.00	J569218	0.5010	0.470	1310	1415	0.037	1.000	134	2340	2.96
28.00	29.00	1.00	J569219	0.1130	0.103	313	929	0.010	0.800	136	2540	
29.00	30.00	1.00	J569221	0.0125	0.012	78	767	0.001	0.250	144	1850	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND228

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/23/2011
Logged: Justin Johnson **End Date:** 2/24/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404083.33 **Azimuth:** 303.4°
Easting: 357067.69 **Dip:** -89.70°
Elevation: 472.50 **Final Depth:** 51.00

Lithology

From m	To m	Code	Rock description
27.00	34.30	Mgm	Gabbro - Melanocratic
34.30	35.95	Hg	Hybrid Grey
35.95	36.20	Hg	Sedimentary Rocks - Undifferentiated
36.20	36.85		Hybrid Grey
36.85	51.00	Fg	Granite - Undifferentiated

Magsus

From m	To m	Magsus
27.00	34.30	0 100 200
34.30	35.95	0 100 200
35.95	36.20	0 100 200
36.20	36.85	0 100 200
36.85	51.00	0 100 200

Sulphide

From m	To m	Sulphide %	Cpy %	Po %	Py %
27.00	34.30	1.0			1.0
34.30	35.95	0.2		0.1	0.1
35.95	36.20				
36.20	36.85				
36.85	51.00				

Sample

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
30.00	31.00	1.00	J569222	0.0081	0.007	66	679	0.002	0.800	140	1790	
31.00	33.00	2.00	J569223	0.0123	0.012	103	656	0.001	0.900	117	1520	2.97
33.00	34.30	1.30	J569224	0.0017	0.002	50	382	0.001	0.700	107	846	
34.30	35.95	1.65	J569225	0.0005	0.001	70	78	0.001	0.800	70	88	
35.95	36.20	0.25	J569226	0.0016	0.002	15	56	0.001	0.250	24	125	
36.20	36.85	0.65	J569154	0.0003	0.001	119	16	0.001	0.250	33		
49.86	50.00	0.14	413195									2.66

Pt + Pd (ppm)

0 2 4 6 8 10

Hole Number: TBND229

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/24/2011
Logged: Jamie Dumas **End Date:** 2/24/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404104.35 **Azimuth:** 212.6°
Easting: 357032.94 **Dip:** -89.70°
Elevation: 472.50 **Final Depth:** 51.00

Lithology				Magsus	Sulphide	Cpy	Po	Py
From m	To m	Code	Rock description	0 100 200	%	%	%	%
0.00	28.70	Ovm	Overburden - Mud					
28.70	32.60	Upd	Peridotite		0.2		0.1	0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm	Pt + Pd (ppm) 0 2 4 6 8 10
28.70	30.70	2.00	J569227	0.0343	0.035	199	616	0.004	0.250	109	1115	2.98	

Hole Number: TBND229

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 2/24/2011
Logged: Jamie Dumas **End Date:** 2/24/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404104.35 **Azimuth:** 212.6°
Easting: 357032.94 **Dip:** -89.70°
Elevation: 472.50 **Final Depth:** 51.00

Lithology From m	To m	Code	Rock description
28.70	32.60	Upd	Peridotite
32.60	33.55	Hg	Hybrid Grey
33.55	33.65	M	Granite
33.65	33.97	Fgr	Mafic
33.97	37.50		Undifferentiated Granite
37.50	51.00	Spt	Siltstone

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

Sulphide	Po	Py
0.2	0.1	0.1
0.1		0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
28.70	30.70	2.00	J569227	0.0343	0.035	199	616	0.004	0.250	109	1115	2.98
30.70	32.60	1.90	J569228	0.0014	0.001	48	264	0.001	0.500	87	525	
32.60	33.65	1.05	J569229	0.0003	0.001	26	13	0.001	0.250	37	12	
33.65	33.97	0.32	J569155	0.0005	0.001	49	18	0.001	0.250	41		2.70
33.97	35.97	2.00	J569231	0.0003	0.001	1	4	0.001	0.250	3	11	
37.07	37.21	0.14	413196									2.63
43.45	43.56	0.11	413197									2.77

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND230

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/25/2011
Logged: Jamie Dumas **End Date:** 2/26/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403424.76 **Azimuth:** 308.6°
Easting: 356625.92 **Dip:** -88.80°
Elevation: 472.70 **Final Depth:** 99.00

Lithology				Magsus	Sulphide	Cpy	Po	Py
From m	To m	Code	Rock description	0 100 200	%	%	%	%
0.00	30.40	Ovm	Overburden - Mud					

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm	Pt + Pd (ppm) 0 2 4 6 8 10
8.85	9.00	0.15	J569156	0.0072	0.013	151	84	0.003	0.250	42		3.00	
24.00	24.55	0.55	J569157	0.0252	0.070	473	15	0.015	0.250	46		3.03	
26.70	27.00	0.30	J569158	0.0170	0.013	116	153	0.004	0.250	53		3.02	

Hole Number: TBND230

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/25/2011
Logged: Jamie Dumas **End Date:** 2/26/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403424.76 **Azimuth:** 308.6°
Easting: 356625.92 **Dip:** -88.80°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
0.00	30.40	Ovm	Overburden - Mud
30.40	70.44	Fgr	Granite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
32.82	33.00	0.18	413198									2.64
53.85	54.00	0.15	413199									2.63

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND230

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/25/2011
Logged: Jamie Dumas **End Date:** 2/26/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403424.76 **Azimuth:** 308.6°
Easting: 356625.92 **Dip:** -88.80°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
30.40	70.44	Fgr	Granite
70.44	70.48	M	Mafic
70.48	73.20	Fgr	Undifferentiated Granite
73.20	73.63	M	Mafic
73.63	99.00	Fgr	Undifferentiated Granite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
73.20	73.63	0.43	J569159	0.0006	0.001	11	20	0.001	0.250	38		2.71

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND230

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/25/2011
Logged: Jamie Dumas **End Date:** 2/26/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403424.76 **Azimuth:** 308.6°
Easting: 356625.92 **Dip:** -88.80°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
73.63	99.00	Fgr	Granite

Sample From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
90.10	90.28	0.18	413200									2.62

Hole Number: TBND231

Project: Thunder Bay North
Claim #: 1248244
Logged: Jamie Dumas

Drill Company: George Downing Estate Drilling
Start Date: 2/27/2011
End Date: 2/28/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403412.89
Easting: 356643.23
Elevation: 472.70

Azimuth: 132.3°
Dip: -89.03°
Final Depth: 99.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	30.25	Ovm	Overburden - Mud																			

Hole Number: TBND231

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/27/2011
Logged: Jamie Dumas **End Date:** 2/28/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403412.89 **Azimuth:** 132.3°
Easting: 356643.23 **Dip:** -89.03°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
0.00	30.25	Ovm	Overburden - Mud
30.25	61.20	Fgr	Granite

Magsus (0 100 200)

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
33.45	33.60	0.15	413222									2.63
39.10	39.30	0.20	413223									2.64

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND231

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/27/2011
Logged: Jamie Dumas **End Date:** 2/28/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403412.89 **Azimuth:** 132.3°
Easting: 356643.23 **Dip:** -89.03°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
30.25	61.20	Fgr	Granite
61.20	61.28	M	Mafic
61.28	71.75	Fgr	Granite
71.75	72.32	M	Mafic
72.32	99.00	Fgr	Granite

Magsus: 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
71.75	72.32	0.57	J569161	0.0005	0.001	7	14	0.003	0.250	37		2.79

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND231

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/27/2011
Logged: Jamie Dumas **End Date:** 2/28/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403412.89 **Azimuth:** 132.3°
Easting: 356643.23 **Dip:** -89.03°
Elevation: 472.70 **Final Depth:** 99.00

Lithology

From m	To m	Code	Rock description
72.32	99.00	Fgr	Granite

Magsus (0 100 200)

Sulphide %

0.1

Cpy %

Po %

Py %

0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
97.00	97.14	0.14	413225									2.63

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND232

Project: Thunder Bay North
Claim #: 1248244
Logged: Jamie Dumas

Drill Company: George Downing Estate Drilling
Start Date: 2/28/2011
End Date: 3/1/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403434.39
Easting: 356609.56
Elevation: 472.70

Azimuth: 201.1°
Dip: -89.29°
Final Depth: 99.00

Lithology				Magsus	Sulphide	Cpy	Po	Py	From	To	Interval	Sample	Pt	Pd	Cu	Ni	Au	Ag	Co	Cr	SG	Pt + Pd (ppm)
From m	To m	Code	Rock description	0 100 200	%	%	%	%	m	m	m		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0 2 4 6 8 10
0.00	30.60	Ovm	Overburden - Mud																			

Hole Number: TBND232

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/28/2011
Logged: Jamie Dumas **End Date:** 3/1/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403434.39 **Azimuth:** 201.1°
Easting: 356609.56 **Dip:** -89.29°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
0.00	30.60	Ovm	Overburden - Mud
30.60	72.00	Fgr	Granite

Magsus 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
30.90	31.06	0.16	413229									2.63
42.00	42.12	0.12	413230									2.63

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND232

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/28/2011
Logged: Jamie Dumas **End Date:** 3/1/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403434.39 **Azimuth:** 201.1°
Easting: 356609.56 **Dip:** -89.29°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
30.60	72.00	Fgr	Granite
72.00	72.40	M	Mafic
72.40	99.00	Fgr	Undifferentiated Granite

Magsus: 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
72.00	72.40	0.40	J569162	0.0003	0.001	20	13	0.003	0.250	42		2.74

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND232

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248244 **Start Date:** 2/28/2011
Logged: Jamie Dumas **End Date:** 3/1/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5403434.39 **Azimuth:** 201.1°
Easting: 356609.56 **Dip:** -89.29°
Elevation: 472.70 **Final Depth:** 99.00

Lithology From m	To m	Code	Rock description
72.40	99.00	Fgr	Granite

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

Sulphide %	Py %
0.1	0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
96.00	96.26	0.26	413234									2.63

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND233

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 3/2/2011
Logged: Jamie Dumas **End Date:** 3/3/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402874.33 **Azimuth:** 226.3°
Easting: 357430.72 **Dip:** -89.44°
Elevation: 473.39 **Final Depth:** 120.00

Lithology From m	To m	Code	Rock description
0.00	19.30	Ovm	Overburden - Mud
19.30	26.80	FG	Hem altered and partial melt granitoid
26.80	30.40	Hg	Hybrid Grey

Magsus 0 100 200

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
26.80	28.40	1.60	J569232	0.0237	0.016	171	133	0.005	0.250	50	314	2.98
28.40	30.40	2.00	J569233	0.0280	0.023	133	240	0.004	0.250	56	922	

Sulphide %, Cpy %, Po %, Py %

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND233

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 3/2/2011
Logged: Jamie Dumas **End Date:** 3/3/2011

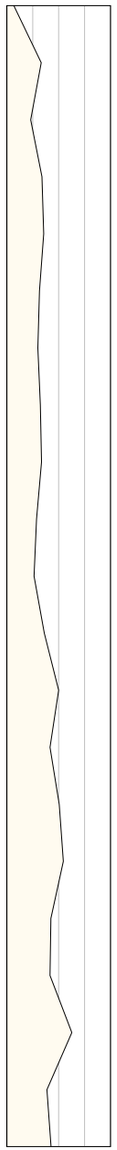
Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

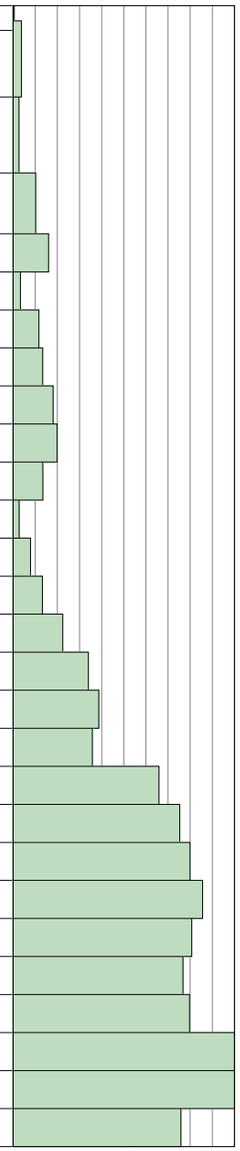
Northing: 5402874.33 **Azimuth:** 226.3°
Easting: 357430.72 **Dip:** -89.44°
Elevation: 473.39 **Final Depth:** 120.00

Lithology From m	To m	Code	Rock description
26.80	30.40	Hg	Hybrid Grey
30.40	88.05	Upd	Peridotite



Sulphide %	Cpy %	Po %	Py %
1.1	0.1	0.5	0.5
3.8	0.9	2.0	0.9
7.9	2.0	5.0	0.9
13.0	5.0	7.0	1.0
7.9	2.0	5.0	0.9

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
28.40	30.40	2.00	J569233	0.0280	0.023	133	240	0.004	0.250	56	922	
30.40	32.40	2.00	J569234	0.1890	0.186	532	839	0.014	0.250	109	1320	
32.40	34.40	2.00	J569235	0.1350	0.131	410	884	0.010	0.250	110	1720	
34.40	36.00	1.60	J569236	0.5180	0.504	1345	1170	0.035	0.600	120	1840	
36.00	37.00	1.00	J569237	0.8050	0.795	2460	1610	0.052	1.300	135	1890	2.98
37.00	38.00	1.00	J569238	0.1660	0.165	418	887	0.013	0.250	110	2030	3.00
38.00	39.00	1.00	J569239	0.5890	0.576	1535	1255	0.039	0.600	128	2050	2.99
39.00	40.00	1.00	J569241	0.6850	0.654	1780	1300	0.045	0.700	128	1830	2.88
40.00	41.00	1.00	J569242	0.9240	0.884	2440	1520	0.059	1.300	139	1880	2.99
41.00	42.00	1.00	J569243	0.9990	0.988	2520	1595	0.063	1.300	139	1840	2.99
42.00	43.00	1.00	J569244	0.6760	0.670	1675	1335	0.044	0.800	128	1890	2.98
43.00	44.00	1.00	J569245	0.1410	0.132	348	889	0.012	0.250	109	1990	3.01
44.00	45.00	1.00	J569246	0.4060	0.380	1005	1135	0.035	0.250	124	2040	3.07
45.00	46.00	1.00	J569247	0.6770	0.646	1455	1365	0.042	0.700	128	2120	3.01
46.00	47.00	1.00	J569248	1.1400	1.100	2740	1765	0.070	1.600	144	2210	3.21
47.00	48.00	1.00	J569249	1.6500	1.750	5330	3500	0.070	1.700	244	2120	3.10
48.00	49.00	1.00	J552500	1.8600	2.010	6660	4120	0.090	2.700	275	2240	3.11
49.00	50.00	1.00	J552501	1.7200	1.860	5790	3490	0.070	2.200	222	2540	3.08
50.00	51.00	1.00	J552502	3.3000	3.290	9620	3820	0.200	5.600	233	2610	3.01
51.00	52.00	1.00	J552503	3.6700	3.860	10300	5790	0.130	4.100	352	2710	3.10
52.00	53.00	1.00	J552504	3.9800	4.010	10700	5500	0.190	5.400	333	2150	3.12
53.00	54.00	1.00	J552505	4.3300	4.230	10450	5120	0.260	6.700	306	1940	3.08
54.00	55.00	1.00	J552506	3.9800	4.090	10100	5770	0.190	5.100	325	2000	3.07
55.00	56.00	1.00	J552507	3.8200	3.850	9290	4620	0.190	4.900	264	2260	3.10
56.00	57.00	1.00	J552508	3.9500	4.020	9590	5260	0.180	4.600	271	2270	2.97
57.00	58.00	1.00	J552509	5.0500	4.970	11050	4450	0.300	6.900	240	2470	3.01
58.00	59.00	1.00	J552511	5.3900	4.930	11550	3740	0.380	9.100	206	2710	3.00
59.00	60.00	1.00	J552512	3.9700	3.610	8070	3160	0.280	6.400	180	2690	2.99



Hole Number: TBND233

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 3/2/2011
Logged: Jamie Dumas **End Date:** 3/3/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402874.33 **Azimuth:** 226.3°
Easting: 357430.72 **Dip:** -89.44°
Elevation: 473.39 **Final Depth:** 120.00

Lithology

From m	To m	Code	Rock description
30.40	88.05	Upd	Peridotite
88.05	90.32	Fgx	Hem altered and partial melt granitoid

Magsus 0 100 200

From m	To m	Sulphide %	Cpy %	Po %	Py %
60.00	61.00	12.9	5.0	7.0	0.9
61.00	62.00				
62.00	63.00				
63.00	64.00				
64.00	65.00	17.0	5.0	10.0	2.0
65.00	66.00				
66.00	67.00	30.0	10.0	15.0	5.0
67.00	68.00				
68.00	69.00				
69.00	70.00				
70.00	71.00				
71.00	72.00				
72.00	73.00	10.9	5.0	5.0	0.9
73.00	74.00				
74.00	75.00				
75.00	76.00				
76.00	77.00				
77.00	78.00				
78.00	79.00				
79.00	80.00				
80.00	81.00				
81.00	82.00				
82.00	83.00	2.4	0.9	1.0	0.5
83.00	84.00				
84.00	85.00				
85.00	86.00				
86.00	87.00				
87.00	88.05	5.9	3.0	2.0	0.9
88.05	90.00	0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
60.00	61.00	1.00	J552513	3.5800	3.600	8320	5450	0.170	4.400	305	2640	3.03
61.00	62.00	1.00	J552514	2.9700	2.910	6330	4130	0.130	3.300	235	2860	3.02
62.00	63.00	1.00	J552515	4.7900	4.760	10050	6660	0.190	4.600	334	2780	3.07
63.00	64.00	1.00	J552516	5.5400	5.250	11050	6280	0.270	5.700	317	2520	3.10
64.00	65.00	1.00	J552517	6.0400	6.040	12000	7530	0.180	4.200	373	2310	3.19
65.00	66.00	1.00	J552518	6.2600	5.860	12750	6390	0.290	6.800	329	2260	3.18
66.00	67.00	1.00	J552519	7.2000	7.080	14550	8520	0.310	6.700	409	2050	3.17
67.00	68.00	1.00	J552521	6.7500	6.460	13950	7260	0.440	9.500	367	2130	3.14
68.00	69.00	1.00	J552522	5.3000	5.190	11500	6100	0.270	6.200	297	2410	3.12
69.00	70.00	1.00	J552523	6.7900	6.620	14400	7530	0.310	7.200	348	2170	3.10
70.00	71.00	1.00	J552524	7.0100	6.800	15350	13150	0.270	6.200	511	2040	3.30
71.00	72.00	1.00	J552525	4.6700	4.450	15950	15050	0.170	5.700	593	2130	3.39
72.00	73.00	1.00	J552526	6.2700	6.080	13900	8950	0.290	7.300	399	2280	3.04
73.00	74.00	1.00	J552527	8.2600	8.140	17900	12100	0.260	6.500	481	2140	3.24
74.00	75.00	1.00	J552528	8.1100	7.910	17700	9670	0.300	7.700	437	2220	3.19
75.00	76.00	1.00	J552529	9.5800	8.690	20100	7160	0.640	15.300	336	1990	3.11
76.00	77.00	1.00	J552531	7.6500	7.140	20000	9640	0.510	13.000	460	1950	3.04
77.00	78.00	1.00	J552532	5.4600	5.180	14300	9070	0.230	6.400	418	2180	3.16
78.00	79.00	1.00	J552533	6.7100	6.620	16900	11100	0.300	8.100	472	2270	3.09
79.00	80.00	1.00	J552534	5.7200	5.330	14200	8220	0.290	8.000	355	2420	3.09
80.00	81.00	1.00	J552535	6.5700	6.280	15900	7950	0.340	8.800	325	2150	2.94
81.00	82.00	1.00	J552536	6.6300	5.970	15800	4810	0.490	12.100	233	2680	2.91
82.00	83.00	1.00	J552537	5.6200	4.790	12700	3430	0.460	11.200	186	2970	
83.00	84.00	1.00	J552538	0.8210	0.776	2600	2060	0.061	2.000	153	2540	3.00
84.00	85.00	1.00	J552539	1.8400	1.540	4740	1880	0.170	5.000	143	2630	2.91
85.00	86.00	1.00	J552540	0.8900	0.741	2500	1230	0.089	2.600	121	2450	2.94
86.00	87.00	1.00	J552541	1.1700	1.130	3790	2160	0.090	3.200	157	2240	2.96
87.00	88.05	1.05	J552542	4.0000	3.790	12400	2500	0.420	11.600	162	1160	2.96
88.05	90.00	1.95	J552543	0.0123	0.011	29	13	0.002	0.250	3	13	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND233

Project: Thunder Bay North
Claim #: 842189
Logged: Jamie Dumas

Drill Company: George Downing Estate Drilling
Start Date: 3/2/2011
End Date: 3/3/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

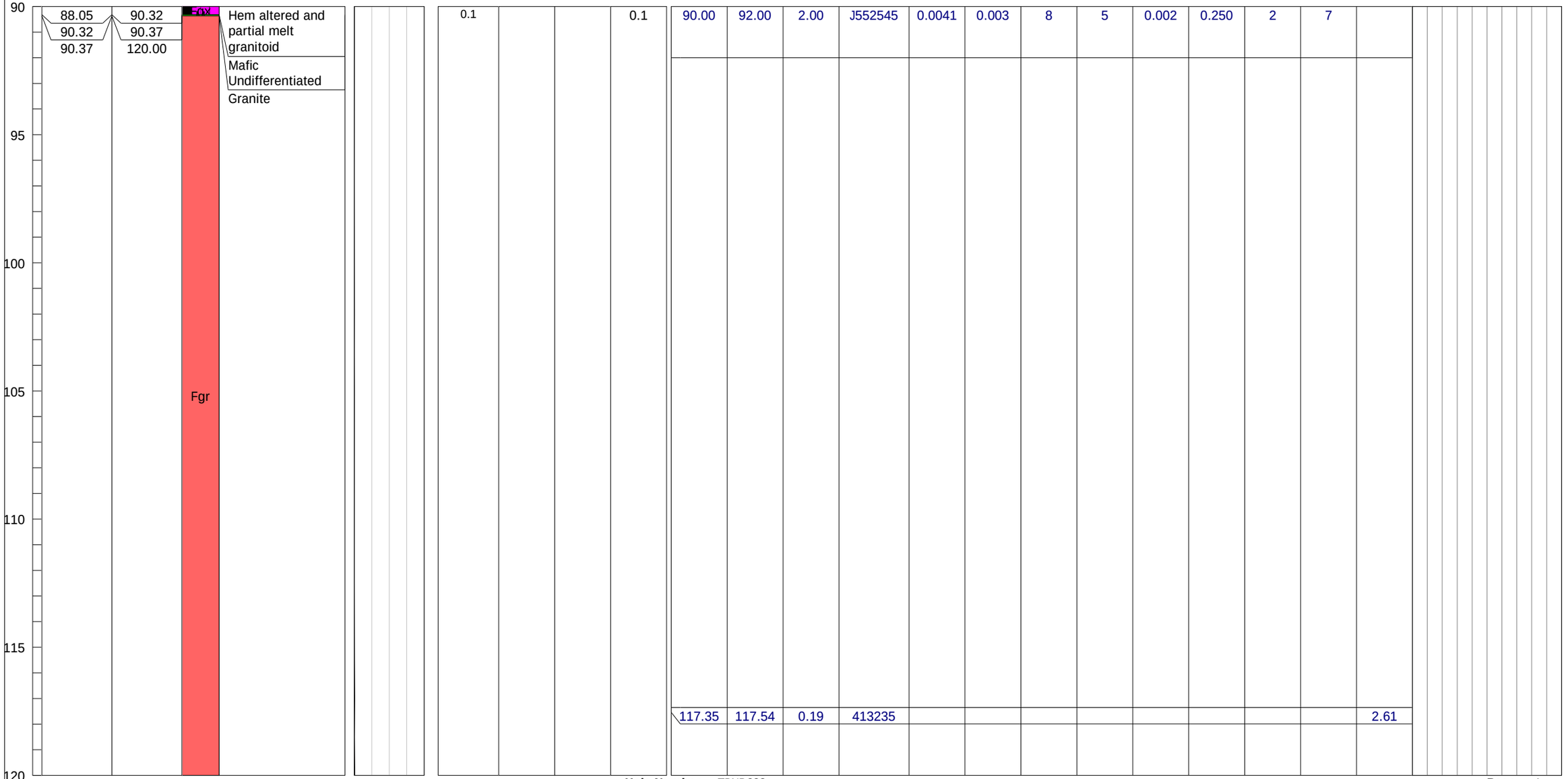
Coordinates (NAD 83, Zone 16)

Northing: 5402874.33
Easting: 357430.72
Elevation: 473.39

Azimuth: 226.3°
Dip: -89.44°
Final Depth: 120.00

Lithology

From m	To m	Code	Rock description
88.05	90.32	Fgx	Hem altered and partial melt granitoid
90.32	90.37	Mafic	Undifferentiated
90.37	120.00	Fgr	Granite



Magsus: 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
90.00	92.00	2.00	J552545	0.0041	0.003	8	5	0.002	0.250	2	7	
117.35	117.54	0.19	413235									2.61

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND234

Project: Thunder Bay North
Claim #: 842186
Logged: Jamie Dumas

Drill Company: George Downing Estate Drilling
Start Date: 3/4/2011
End Date: 3/4/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402581.28
Easting: 357425.29
Elevation: 470.86

Azimuth: 193.5°
Dip: -89.50°
Final Depth: 123.00

Lithology				Magsus	Sulphide	Cpy	Po	Py
From m	To m	Code	Rock description	0 100 200	%	%	%	%
0.00	24.00	Ovm	Overburden - Mud					
24.00	29.20	Fgr	Granite		0.1			0.1
29.20	31.90	Zib	Mixed Intrusion Breccia					

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm	Pt + Pd (ppm) 0 2 4 6 8 10
27.00	27.18	0.18	413237									2.74	
28.68	28.80	0.12	413238									2.63	

Hole Number: TBND234

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 3/4/2011
Logged: Jamie Dumas **End Date:** 3/4/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402581.28 **Azimuth:** 193.5°
Easting: 357425.29 **Dip:** -89.50°
Elevation: 470.86 **Final Depth:** 123.00

From m	To m	Code	Rock description
29.20	31.90	Zib	Mixed Intrusion Breccia
31.90	51.50	Fgr	Granite
51.50	53.10	Fc	Hem altered and partial melt granitoid
53.10	53.90	Hg	Hybrid Grey
53.90	76.60	Hr	Hybrid Classic Red

Magsus: 0 100 200

From m	Sulphide %	Cpy %	Po %	Py %
29.20	0.1			0.1

From m	To m	Interval Sample m	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND234

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 3/4/2011
Logged: Jamie Dumas **End Date:** 3/4/2011

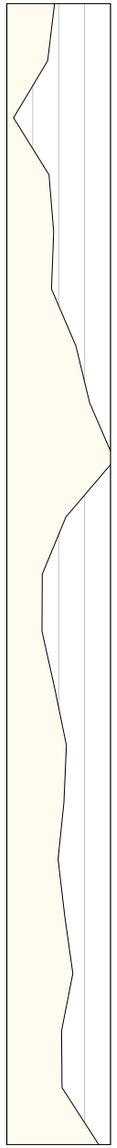
Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

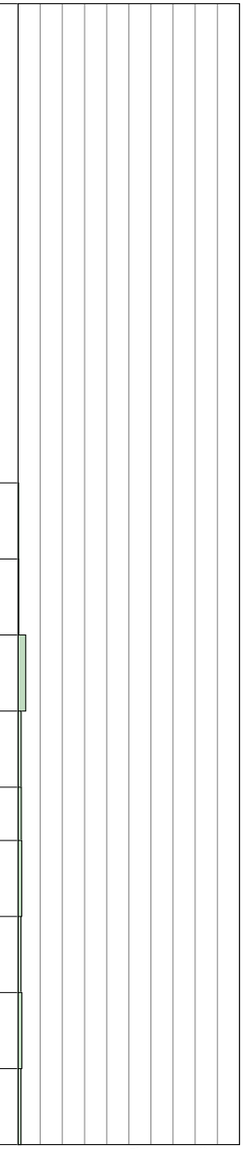
Northing: 5402581.28 **Azimuth:** 193.5°
Easting: 357425.29 **Dip:** -89.50°
Elevation: 470.86 **Final Depth:** 123.00

Lithology From m	To m	Code	Rock description
53.90	76.60	Hf	Hybrid Classic Red
76.60	91.95	Upd	Peridotite



Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
72.60	74.60	2.00	J552546	0.0182	0.004	521	145	0.009	0.250	53	45	2.92
74.60	76.60	2.00	J552547	0.0163	0.008	256	152	0.010	0.250	52	476	
76.60	78.60	2.00	J552548	0.1795	0.167	337	968	0.014	0.250	127	1980	
78.60	80.60	2.00	J552549	0.0724	0.065	188	1255	0.005	0.250	141	2700	
80.60	82.00	1.40	J552551	0.0780	0.069	217	1285	0.007	0.250	142	3040	
82.00	84.00	2.00	J552552	0.0871	0.076	269	1270	0.007	0.250	139	3160	2.85
84.00	86.00	2.00	J552553	0.0693	0.062	252	1250	0.004	0.250	137	3130	
86.00	88.00	2.00	J552554	0.0918	0.079	278	1190	0.006	0.250	128	2850	
88.00	90.00	2.00	J552555	0.0733	0.062	247	1015	0.006	0.250	126	2480	



Hole Number: TBND234

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 3/4/2011
Logged: Jamie Dumas **End Date:** 3/4/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402581.28 **Azimuth:** 193.5°
Easting: 357425.29 **Dip:** -89.50°
Elevation: 470.86 **Final Depth:** 123.00

Lithology From m	To m	Code	Rock description
76.60	91.95	Upd	Peridotite
91.95	92.05	Fgx	Hem altered and partial melt granitoid
92.05	92.35	Mu	Mafic Undifferentiated
92.35	99.00	Fgx	Hem altered and partial melt granitoid
99.00	123.00	Fgr	Granite

Magsus: 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
90.00	91.93	1.93	J552556	0.0111	0.009	108	624	0.001	0.250	119	1120	
91.93	94.00	2.07	J552557	0.0005	0.001	1	7	0.001	0.250	7	12	
94.00	96.00	2.00	J552558	0.0003	0.001	1	2	0.001	0.250	1	8	

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND234

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842186 **Start Date:** 3/4/2011
Logged: Jamie Dumas **End Date:** 3/4/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5402581.28 **Azimuth:** 193.5°
Easting: 357425.29 **Dip:** -89.50°
Elevation: 470.86 **Final Depth:** 123.00

Lithology From m	To m	Code	Rock description
99.00	123.00	Fgr	Granite

Magsus (0 100 200)

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
120.30	120.48	0.18	413239									2.63

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND235

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 3/5/2011
Logged: Geoff Haggie **End Date:** 3/5/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404105.76 **Azimuth:** 15.7°
Easting: 357055.38 **Dip:** -89.50°
Elevation: 472.11 **Final Depth:** 45.00

Lithology				Magsus	Sulphide	Cpy	Po	Py
From m	To m	Code	Rock description	0 100 200	%	%	%	%
0.00	20.00	Ovm	Overburden - Mud					
20.00	27.50		Overburden - Glacial					
27.50	32.50	Upd	Peridotite		0.1 0.6		0.1 0.5	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
27.50	28.50	1.00	J552559	0.0079	0.006	63	779	0.001	0.250	147	1880	
28.50	29.50	1.00	J552561	0.0094	0.008	75	687	0.002	0.250	138	1770	3.07
29.50	30.50	1.00	J552562	0.0301	0.027	134	735	0.004	0.250	120	1520	

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND235

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 3/5/2011
Logged: Geoff Haggie **End Date:** 3/5/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404105.76 **Azimuth:** 15.7°
Easting: 357055.38 **Dip:** -89.50°
Elevation: 472.11 **Final Depth:** 45.00

Lithology From m	To m	Code	Rock description
27.50	32.50	Upd	Peridotite
32.50	34.52	Hg	Hybrid Grey
34.52	34.75	Fg	Granite - Undifferentiated
34.75	35.00	Fg	Granite - Undifferentiated
35.00	35.26	Fg	Mafic Undifferentiated
35.26	35.30	Fg	Granite - Undifferentiated
35.30	35.54	Fg	Granite - Undifferentiated
35.54	35.57	Fg	Mafic Undifferentiated
35.57	36.45	Fg	Granite - Undifferentiated
36.45	36.49	Fg	Mafic Undifferentiated
36.49	45.00	Fg	Granite - Undifferentiated

Magsus (0 100 200)

Sulphide %	Cpy %	Po %	Py %
0.6		0.5	
0.1		0.1	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
29.50	30.50	1.00	J552562	0.0301	0.027	134	735	0.004	0.250	120	1520	
30.50	31.50	1.00	J552563	0.0061	0.005	67	658	0.002	0.250	121	1410	3.01
31.50	32.50	1.00	J552564	0.0014	0.001	62	349	0.002	0.250	109	744	
32.50	33.50	1.00	J552565	0.0007	0.001	36	113	0.001	0.250	82	174	
33.50	34.50	1.00	J552566	0.0005	0.001	38	38	0.001	0.250	55	41	
34.50	36.50	2.00	J552567	0.0003	0.001	6	5	0.001	0.250	10	10	2.61
36.50	38.50	2.00	J552568	0.0006	0.001	9	1	0.001	0.250	2	11	
44.50	44.70	0.20	413244									2.65

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND236

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 3/6/2011
Logged: Geoff Haggie **End Date:** 3/6/2011

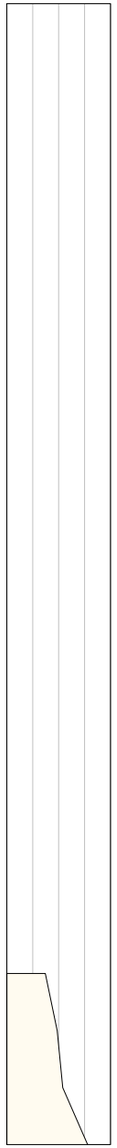
Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

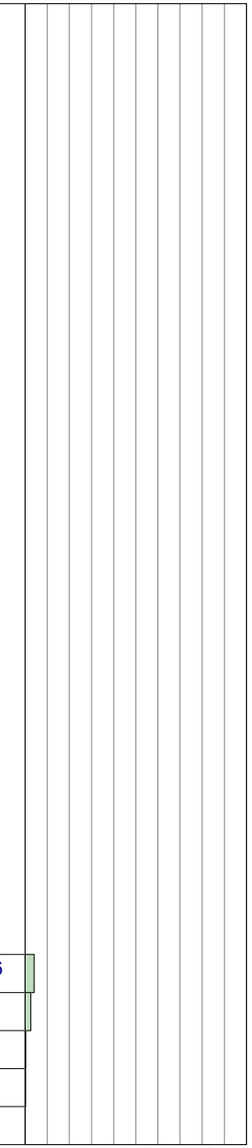
Northing: 5404087.03 **Azimuth:** 0.0°
Easting: 357044.94 **Dip:** -90.00°
Elevation: 472.50 **Final Depth:** 45.00

Lithology From m	To m	Code	Rock description
0.00	22.00	Ovm	Overburden - Mud
22.00	25.00		Overburden - Glacial
25.00	32.00	Upd	Peridotite



Sulphide %	Cpy %	Po %	Py %
1.4	0.5	0.9	

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
25.00	26.00	1.00	J552571	0.2080	0.197	717	1285	0.017	0.250	124	2360	2.96
26.00	27.00	1.00	J552572	0.1340	0.125	497	1115	0.010	0.250	123	2720	
27.00	28.00	1.00	J552573	0.0117	0.012	85	751	0.001	0.250	125	2080	
28.00	29.00	1.00	J552574	0.0081	0.010	85	686	0.001	0.250	126	1500	
29.00	30.00	1.00	J552575	0.0047	0.005	64	568	0.001	0.250	117	1270	



Hole Number: TBND236

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 842189 **Start Date:** 3/6/2011
Logged: Geoff Haggie **End Date:** 3/6/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404087.03 **Azimuth:** 0.0°
Easting: 357044.94 **Dip:** -90.00°
Elevation: 472.50 **Final Depth:** 45.00

Lithology From m	To m	Code	Rock description
25.00	32.00	Upd	Peridotite
32.00	33.80	Hg	Hybrid Grey
33.80	35.75	Hr	Hybrid Classic Red
35.75	36.00	M	Sedimentary Rocks - Undifferentiated
36.00	36.44		Mafic Undifferentiated
36.44	45.00	S	Sedimentary Rocks - Undifferentiated

Magsus (0 100 200) | Sulphide % | Cpy % | Po % | Py %

Sulphide %	Cpy %	Po %
1.4	0.5	0.9

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
30.00	31.00	1.00	J552576	0.0093	0.009	77	585	0.001	0.250	110	1340	
31.00	32.00	1.00	J552577	0.0061	0.006	80	594	0.001	0.250	118	1310	2.98
32.00	33.00	1.00	J552578	0.0015	0.001	57	276	0.001	0.250	89	589	2.98
33.00	34.00	1.00	J552579	0.0006	0.001	48	74	0.001	0.250	72	96	
34.00	35.00	1.00	J552581	0.0006	0.001	36	24	0.001	0.250	45	18	
35.00	35.75	0.75	J552582	0.0005	0.001	41	21	0.001	0.250	42	16	
35.75	37.75	2.00	J552583	0.0014	0.001	43	50	0.001	0.250	23	103	
37.75	39.75	2.00	J552584	0.0018	0.002	44	62	0.001	0.250	19	123	2.73
44.80	45.00	0.20	413246									2.68

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND237

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/9/2011
Logged: Geoff Haggie **End Date:** 3/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404641.84 **Azimuth:** 265.9°
Easting: 357920.14 **Dip:** -88.29°
Elevation: 476.06 **Final Depth:** 150.00

From m	To m	Code	Rock description
0.00	4.80	Ovg	Overburden - Glacial
4.80	15.90	Fg	Granite - Undifferentiated
15.90	20.45	Hg	Hybrid Grey
20.45	26.50	Fg	Granite - Undifferentiated
26.50	33.50	S	Sedimentary Rocks - Undifferentiated

Magsus 0 100 200

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
8.50	8.70	0.20	362901									2.66
15.90	17.00	1.10	J552585	0.0003	0.001	10	15	0.001	0.250	36		
17.00	18.00	1.00	J552586	0.0003	0.001	13	21	0.001	0.250	46		
18.00	19.00	1.00	J552587	0.0006	0.001	76	23	0.001	0.250	48		2.81
19.00	20.00	1.00	J552588	0.0003	0.001	13	21	0.001	0.250	44		
20.00	20.45	0.45	J552589	0.0003	0.001	20	13	0.001	0.250	31		
25.00	25.20	0.20	362902									2.71

Sulphide %, Cpy %, Po %, Py %

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND237

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/9/2011
Logged: Geoff Haggie **End Date:** 3/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404641.84 **Azimuth:** 265.9°
Easting: 357920.14 **Dip:** -88.29°
Elevation: 476.06 **Final Depth:** 150.00

Lithology From m	To m	Code	Rock description
26.50	33.50	S	Sedimentary Rocks - Undifferentiated
33.50	40.46	Fg	Granite - Undifferentiated
40.46	42.30	Hg	Hybrid Grey
42.30	150.00	Fg	Granite - Undifferentiated

Magsus: 0 100 200

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
32.00	32.20	0.20	362903									2.78
40.46	42.30	1.84	J552591	0.0009	0.003	17	16	0.001	0.250	39		2.75

Sulphide %	Cpy %	Po %	Py %
0.6		0.1	0.5
0.1			0.1

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND237

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/9/2011
Logged: Geoff Haggie **End Date:** 3/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404641.84 **Azimuth:** 265.9°
Easting: 357920.14 **Dip:** -88.29°
Elevation: 476.06 **Final Depth:** 150.00

Lithology From m	To m	Code	Rock description
42.30	150.00	Fg	Granite - Undifferentiated

Magsus 0 100 200	Sulphide %	Cpy %	Po %	Py %
	0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
81.55	82.30	0.75	362904									2.66

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND237

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/9/2011
Logged: Geoff Haggie **End Date:** 3/10/2011

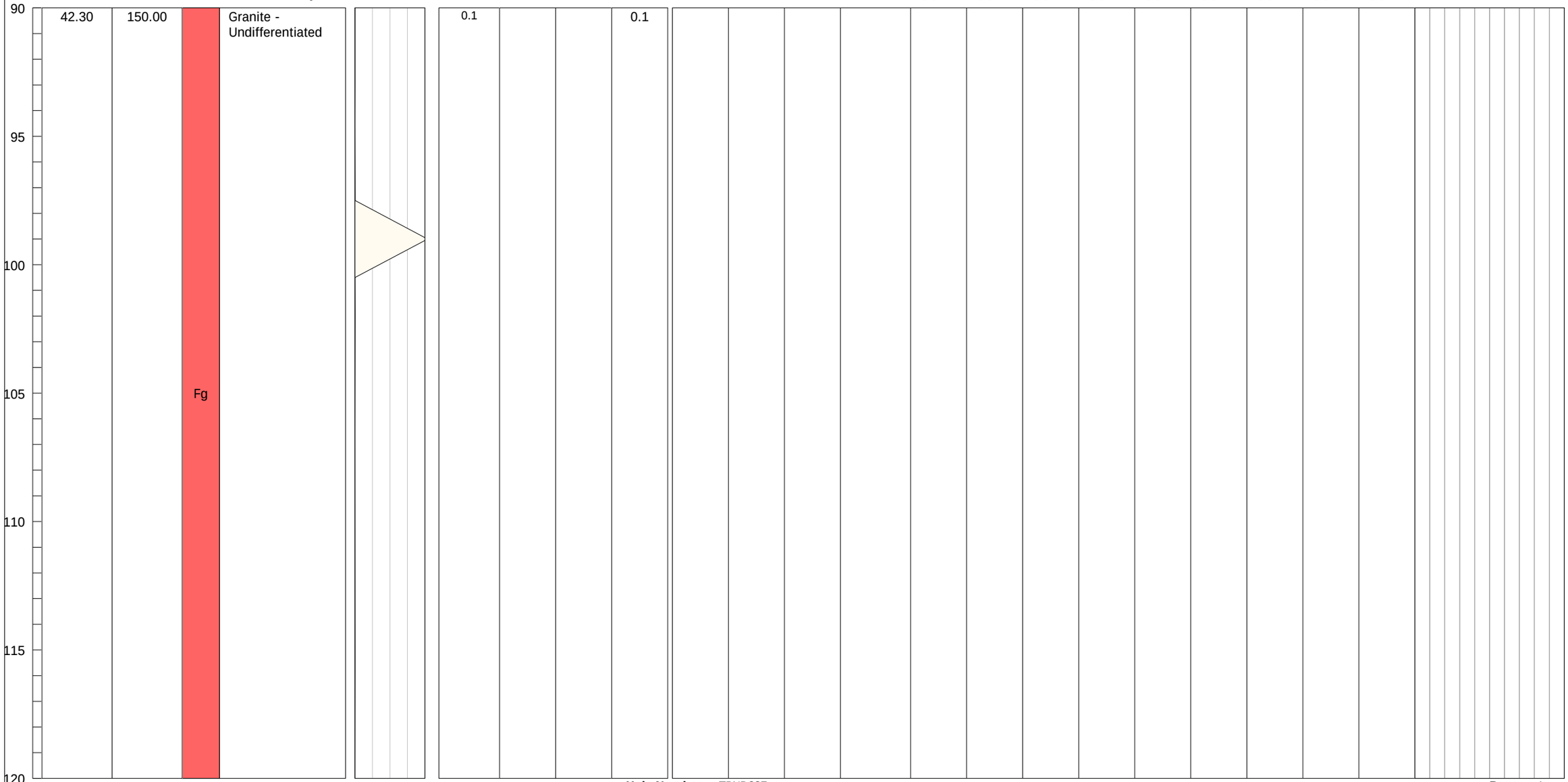
Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404641.84 **Azimuth:** 265.9°
Easting: 357920.14 **Dip:** -88.29°
Elevation: 476.06 **Final Depth:** 150.00

Lithology From m	To m	Code	Rock description
42.30	150.00	Fg	Granite - Undifferentiated



From m	To m	Interval Sample m	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm

Hole Number: TBND237

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/9/2011
Logged: Geoff Haggie **End Date:** 3/10/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404641.84 **Azimuth:** 265.9°
Easting: 357920.14 **Dip:** -88.29°
Elevation: 476.06 **Final Depth:** 150.00

Lithology From m	To m	Code	Rock description
42.30	150.00	Fg	Granite - Undifferentiated

Magsus 0 100 200	Sulphide %	Cpy %	Po %	Py %
	0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
129.50	129.63	0.13	362908									2.73
147.37	147.53	0.16	362909									2.74

Pt + Pd (ppm) 0 2 4 6 8 10

Hole Number: TBND238

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/11/2011
Logged: Jamie Dumas **End Date:** 3/12/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404656.69 **Azimuth:** 199.2°
Easting: 357907.56 **Dip:** -88.79°
Elevation: 475.53 **Final Depth:** 108.00

Lithology From m	To m	Code	Rock description
0.00	13.30	Ovm	Overburden - Mud
13.30	15.00	Hg	Hybrid Grey
15.00	39.20	Fg	Granite - Undifferentiated

Magsus (0 100 200)

From m	To m	Sulphide %	Cpy %	Po %	Py %
13.30	14.50	0.7	0.1	0.1	0.5
14.50	15.00	0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
13.30	14.50	1.20	J552592	0.0006	0.001	33	20	0.001	0.250	42		2.85
14.50	15.00	0.50	J552593	0.0003	0.001	37	14	0.001	0.250	30		2.81
15.30	15.48	0.18	362910									2.74
21.00	21.18	0.18	362911									2.71

Pt + Pd (ppm) (0 2 4 6 8 10)

Hole Number: TBND238

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/11/2011
Logged: Jamie Dumas **End Date:** 3/12/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404656.69 **Azimuth:** 199.2°
Easting: 357907.56 **Dip:** -88.79°
Elevation: 475.53 **Final Depth:** 108.00

From m	To m	Code	Rock description	Sulphide %	Cpy %	Po %	Py %
15.00	39.20	Fg	Granite - Undifferentiated	0.1			0.1
39.20	39.70	Hg	Hybrid Grey				
39.70	40.75	Hg	Hybrid Grey				
40.75	108.00	Fg	Granite - Undifferentiated				

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
39.20	39.70	0.50	J552594	0.0003	0.001	15	11	0.003	0.250	32		2.74
39.70	40.75	1.05	J552595	0.0019	0.001	28	13	0.003	0.250	36		2.76
54.40	54.66	0.26	362912									2.74

Hole Number: TBND238

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/11/2011
Logged: Jamie Dumas **End Date:** 3/12/2011

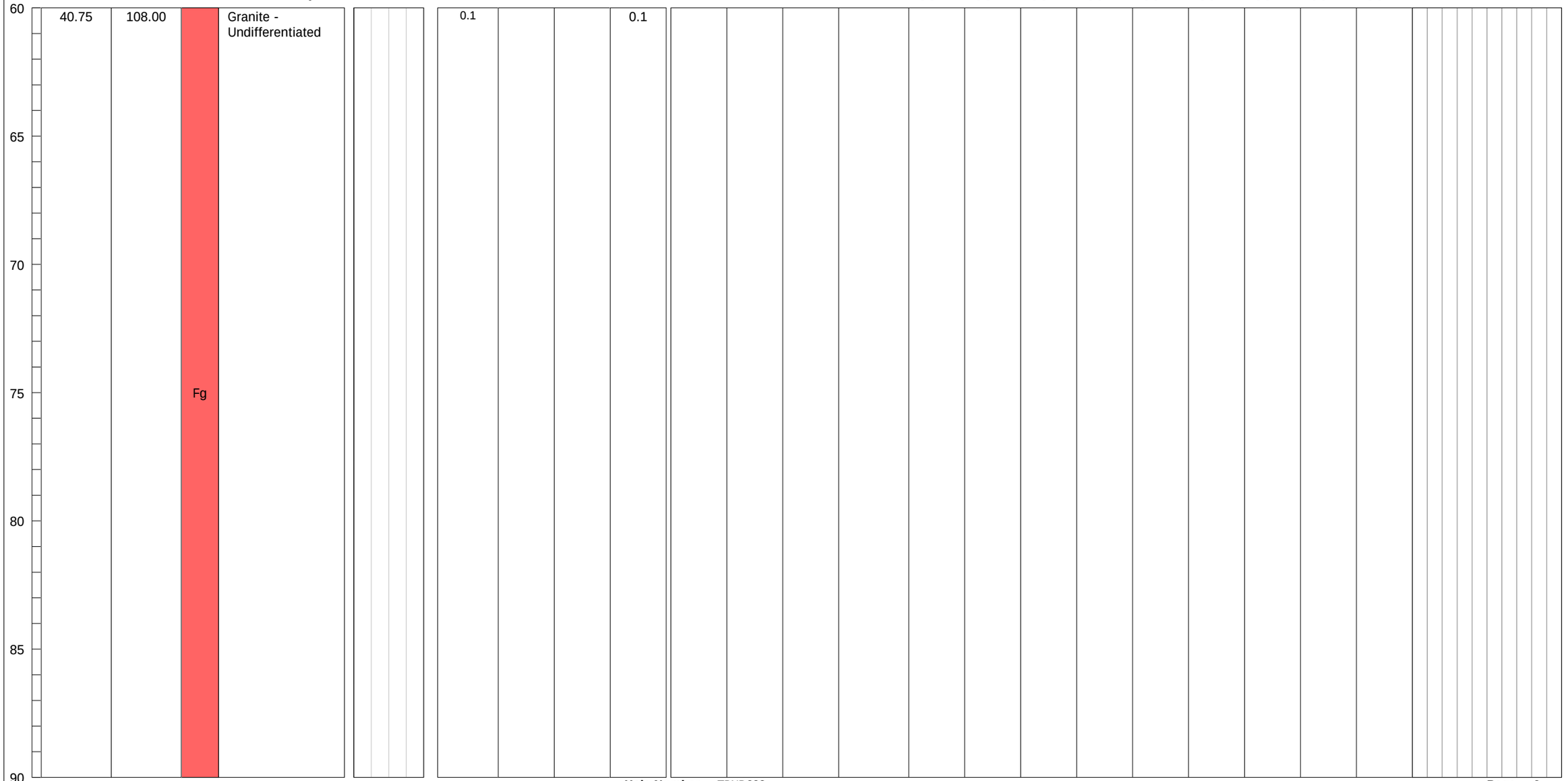
Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404656.69 **Azimuth:** 199.2°
Easting: 357907.56 **Dip:** -88.79°
Elevation: 475.53 **Final Depth:** 108.00

Lithology From m	To m	Code	Rock description
40.75	108.00	Fg	Granite - Undifferentiated



From m	To m	Magsus	Sulphide %	Cpy %	Po %	Py %
40.75	108.00		0.1			0.1

Magsus: 0 100 200

From m	To m	Interval Sample m	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm

Pt + Pd (ppm): 0 2 4 6 8 10

Hole Number: TBND238

Project: Thunder Bay North **Drill Company:** George Downing Estate Drilling
Claim #: 1248241 **Start Date:** 3/11/2011
Logged: Jamie Dumas **End Date:** 3/12/2011

Magma Metals (Canada) Ltd.

Drill Hole Logs

Coordinates (NAD 83, Zone 16)

Northing: 5404656.69 **Azimuth:** 199.2°
Easting: 357907.56 **Dip:** -88.79°
Elevation: 475.53 **Final Depth:** 108.00

Lithology From m	To m	Code	Rock description
40.75	108.00	Fg	Granite - Undifferentiated

Magsus: 0 100 200

Sulphide %	Cpy %	Po %	Py %
0.1			0.1

From m	To m	Interval m	Sample	Pt ppm	Pd ppm	Cu ppm	Ni ppm	Au ppm	Ag ppm	Co ppm	Cr ppm	SG ppm
107.80	108.00	0.20	362913									2.69

Pt + Pd (ppm): 0 2 4 6 8 10

Appendix 2 Assay Certificates

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-FEB-2011
Account: MGMAM

CERTIFICATE TB11020349

Project: TBND11-001

P.O. No.:

This report is for 18 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 8-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-FEB-2011
Account: MGMAM

Project: TBND11-001

CERTIFICATE OF ANALYSIS TB11020349

Sample Description / Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
J556000	4.00	0.7	3.39	26	150	0.7	<2	2.75	<0.5	122	2480	426	10.15	10	0.31
J556001	4.32	0.9	2.83	16	130	0.6	<2	2.36	<0.5	141	3340	551	10.85	<10	0.30
J556002	4.63	0.8	2.53	32	120	0.5	<2	2.16	<0.5	138	3360	310	10.30	<10	0.23
J556003	4.22	0.7	2.59	15	130	0.5	<2	2.21	<0.5	135	2460	217	10.25	10	0.21
J556003 CRD	<0.02	<0.5	2.56	21	120	0.5	<2	2.16	<0.5	133	2450	203	10.05	10	0.20
J556004	4.26	0.5	2.71	33	130	0.6	<2	2.32	<0.5	132	2230	256	10.15	10	0.26
J556005	4.35	0.7	2.35	13	90	0.5	<2	2.06	<0.5	136	2290	199	10.20	<10	0.23
J556006	4.23	0.5	2.22	6	80	<0.5	<2	2.11	<0.5	138	2610	214	10.15	10	0.20
J556007	4.16	1.1	2.25	16	80	<0.5	<2	2.19	<0.5	140	3040	201	10.45	<10	0.19
J556008	4.31	0.7	2.42	<5	90	0.5	<2	2.28	<0.5	137	3090	263	10.35	<10	0.22
J556009	4.51	0.7	2.73	<5	90	0.5	<2	2.83	<0.5	130	2990	183	10.30	<10	0.24
J556010	0.12	1.5	8.74	<5	70	<0.5	<2	7.05	<0.5	104	472	3620	6.47	10	0.37
J556011	4.07	0.8	3.53	11	130	0.7	<2	3.03	<0.5	136	3210	228	11.45	10	0.30
J556012	3.77	0.6	4.24	15	180	1.0	<2	3.02	<0.5	141	2170	95	12.75	10	0.39
J556013	4.35	<0.5	4.77	11	220	1.2	<2	3.38	<0.5	111	1340	77	11.75	10	0.47
J556013 FPD	<0.02	<0.5	4.76	13	220	1.2	<2	3.29	<0.5	106	1230	72	11.35	10	0.45
J556014	4.04	<0.5	6.76	<5	950	1.2	<2	0.21	<0.5	3	14	2	1.31	20	4.08
J556015	3.96	<0.5	6.80	12	730	1.3	3	0.20	<0.5	1	8	<1	0.93	20	3.83

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-FEB-2011
Account: MGMAM

Project: TBND11-001

CERTIFICATE OF ANALYSIS TB11020349

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556000		30	13.60	1415	<1	0.66	1085	670	8	1.46	<5	14	298	<20	0.68	<10
J556001		30	15.55	1520	<1	0.45	1260	580	5	1.01	<5	13	250	<20	0.58	<10
J556002		30	15.70	1415	<1	0.36	1320	550	5	0.97	<5	13	206	<20	0.50	<10
J556003		20	16.05	1440	<1	0.34	1320	520	6	0.62	<5	12	206	<20	0.56	<10
J556003 CRD		20	15.75	1420	<1	0.33	1305	510	7	0.67	<5	12	202	<20	0.54	<10
J556004		30	15.40	1405	<1	0.36	1265	570	7	1.29	<5	12	225	<20	0.51	<10
J556005		20	16.05	1395	<1	0.32	1320	480	5	0.53	<5	12	223	<20	0.49	<10
J556006		20	16.00	1400	<1	0.30	1260	470	5	0.32	<5	12	211	<20	0.51	<10
J556007		20	16.25	1450	<1	0.28	1220	470	7	0.55	<5	12	202	<20	0.50	<10
J556008		20	15.90	1435	<1	0.32	1280	500	6	0.35	<5	13	221	<20	0.57	<10
J556009		20	15.30	1465	<1	0.37	1160	520	4	0.31	<5	15	276	<20	0.68	<10
J556010		10	6.00	854	<1	1.10	2980	80	8	1.68	<5	16	86	<20	0.12	<10
J556011		30	15.45	1605	<1	0.60	1170	740	9	0.78	<5	17	338	<20	0.79	<10
J556012		30	12.90	1650	<1	0.89	811	1020	6	0.76	<5	15	485	<20	1.11	<10
J556013		40	9.45	1590	<1	1.34	571	1050	37	0.86	<5	14	537	<20	1.28	<10
J556013 FPD		40	9.18	1555	<1	1.30	543	1010	47	0.92	<5	14	514	<20	1.24	<10
J556014		60	0.36	115	<1	1.50	4	300	52	0.50	<5	4	177	30	0.11	<10
J556015		60	0.26	60	<1	1.99	1	150	50	0.41	<5	4	165	40	0.08	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-FEB-2011
Account: MGMAM

Project: TBND11-001

CERTIFICATE OF ANALYSIS TB11020349

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001
J556000		<10	149	<10	127	0.018	0.243	0.226
J556001		<10	147	<10	119	0.023	0.283	0.275
J556002		<10	136	<10	114	0.010	0.117	0.112
J556003		<10	128	<10	108	0.007	0.0724	0.069
J556003 CRD		<10	124	<10	106	0.008	0.0744	0.071
J556004		<10	121	<10	109	0.011	0.114	0.114
J556005		<10	119	<10	107	0.008	0.0726	0.071
J556006		<10	118	<10	105	0.007	0.0753	0.077
J556007		<10	130	<10	112	0.006	0.0614	0.060
J556008		<10	135	<10	108	0.008	0.0756	0.074
J556009		<10	155	<10	110	0.005	0.0478	0.041
J556010		<10	80	<10	70	0.062	0.214	0.782
J556011		<10	187	<10	125	0.006	0.0432	0.044
J556012		<10	226	<10	143	0.003	0.0107	0.010
J556013		<10	260	<10	156	0.003	0.0067	0.006
J556013 FPD		<10	248	<10	157	0.002	0.0055	0.005
J556014		20	11	<10	22	0.003	0.0006	0.001
J556015		20	7	<10	15	0.001	<0.0005	<0.001

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 23-FEB-2011
This copy reported on
22-AUG-2011
Account: MGMAM

CERTIFICATE TB11020538

Project: TBND11-002

P.O. No.:

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 9-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 23-FEB-2011
Account: MGMAM

Project: TBND11-002

CERTIFICATE OF ANALYSIS TB11020538

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556016		2.34	0.6	6.83	8	200	1.8	<2	2.51	<0.5	59	6	165	11.25	20	0.93
J556017		2.81	<0.5	5.13	11	300	1.3	<2	5.73	<0.5	51	34	231	8.92	20	0.64
J556018		4.32	0.6	5.00	13	260	1.3	<2	6.57	<0.5	43	110	206	7.88	10	0.59
J556019		4.49	<0.5	4.59	7	550	1.1	<2	7.16	<0.5	48	392	344	7.78	10	0.32
J556020		0.08	1.1	8.22	5	70	<0.5	<2	6.48	<0.5	97	459	3340	6.13	<10	0.39
J556021		4.74	<0.5	4.33	15	800	1.0	<2	7.42	<0.5	51	781	192	7.95	10	0.43
J556022		3.85	<0.5	3.47	14	260	0.9	3	3.88	<0.5	101	1600	841	9.41	10	0.40
J556023		4.49	<0.5	3.30	10	170	0.8	<2	3.85	<0.5	104	1800	244	9.60	10	0.42
J556023 CRD		<0.02	<0.5	3.36	9	170	0.8	<2	3.90	<0.5	105	1830	245	9.78	<10	0.43
J556024		4.40	<0.5	3.14	23	120	0.7	<2	2.98	<0.5	106	1970	257	9.85	<10	0.30
J556025		4.73	0.8	2.84	10	120	0.6	<2	2.54	<0.5	129	2050	1475	10.30	<10	0.25
J556026		4.94	0.8	2.91	66	140	0.6	<2	2.77	<0.5	117	1930	973	9.73	10	0.24
J556027		4.62	0.6	2.80	32	140	0.6	<2	3.31	<0.5	121	2240	987	10.10	<10	0.30
J556028		4.40	<0.5	2.79	<5	150	0.7	<2	3.31	<0.5	120	2170	693	10.20	<10	0.36
J556029		2.41	0.8	2.64	6	150	0.7	<2	3.02	<0.5	129	2340	1145	10.25	<10	0.34
J556030		0.06	<0.5	6.33	<5	960	0.9	<2	1.39	<0.5	2	27	3	1.44	10	2.24
J556031		2.41	0.6	2.93	<5	150	0.7	<2	3.50	<0.5	125	2120	1185	10.35	<10	0.37
J556032		2.37	<0.5	2.99	5	140	0.7	<2	3.65	<0.5	109	2170	378	9.82	<10	0.36
J556033		2.23	1.2	2.70	15	130	0.6	<2	3.27	<0.5	133	2350	1905	10.35	<10	0.29
J556033 FPD		<0.02	1.3	2.67	16	130	0.6	<2	3.29	<0.5	135	2460	1870	10.40	<10	0.29
J556034		2.18	1.6	2.82	23	150	0.7	<2	3.29	<0.5	139	2240	2550	10.45	<10	0.28
J556035		2.37	<0.5	3.12	<5	150	0.7	<2	3.66	<0.5	111	2230	840	9.75	10	0.29
J556036		2.34	1.1	2.84	<5	150	0.7	<2	3.35	<0.5	131	2730	1825	10.30	<10	0.32
J556037		2.27	0.8	3.11	<5	160	0.8	<2	3.53	<0.5	125	2380	1335	10.10	<10	0.32
J556038		2.27	1.1	2.99	<5	150	0.7	<2	3.50	<0.5	130	2680	2060	10.25	<10	0.30
J556039		2.87	1.7	2.98	8	150	0.7	<2	3.35	<0.5	138	2750	2720	10.45	<10	0.28
J556040		0.08	0.7	2.63	15	90	<0.5	<2	7.02	<0.5	264	2110	2500	11.95	<10	0.41
J556041		2.24	1.9	2.91	5	150	0.7	<2	3.30	<0.5	137	2700	2900	10.35	<10	0.32
J556042		2.08	1.3	3.14	<5	150	0.7	<2	3.42	<0.5	111	2220	1640	9.45	<10	0.35
J556043		2.49	<0.5	3.51	<5	190	0.9	<2	3.69	<0.5	106	1870	815	9.67	10	0.43
J556043 CRD		<0.02	0.7	3.48	9	190	0.8	<2	3.67	<0.5	105	1850	804	9.78	<10	0.43
J556044		2.29	1.2	3.32	35	160	0.7	<2	3.34	<0.5	108	2040	1210	9.45	10	0.33
J556045		2.37	0.8	3.31	<5	220	0.8	<2	3.65	<0.5	103	2040	805	9.31	10	0.39
J556046		2.29	1.8	2.92	<5	140	0.6	<2	3.21	<0.5	157	2240	3040	10.90	<10	0.34
J556047		2.56	1.9	3.18	13	160	0.7	<2	3.38	<0.5	133	2290	3190	10.25	<10	0.34
J556048		2.28	2.2	3.30	34	160	0.8	<2	3.48	<0.5	124	2260	3090	10.00	<10	0.33
J556049		2.29	13.5	4.33	321	390	1.4	6	3.01	1.0	143	1230	>10000	9.85	10	0.23
J556050		1.01	1.3	3.39	<5	170	0.8	<2	3.61	<0.5	107	2270	1840	9.48	10	0.37
J556051		2.23	<0.5	3.30	21	160	0.8	<2	3.52	<0.5	101	2260	556	9.18	10	0.41
J556052		2.51	0.9	3.23	23	150	0.8	<2	2.97	<0.5	116	2270	1250	9.42	10	0.43

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556018 TO J556022**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 23-FEB-2011
Account: MGMAM

Project: TBND11-002

CERTIFICATE OF ANALYSIS TB11020538

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556016		40	3.68	1500	1	2.78	52	1580	66	1.34	<5	23	200	<20	1.82	<10
J556017		20	5.36	1605	1	2.12	91	960	15	0.56	<5	36	196	<20	1.28	<10
J556018		20	5.51	1190	1	2.18	92	1020	16	0.92	<5	39	198	<20	1.15	<10
J556019		20	6.42	1320	1	2.00	148	880	11	0.91	<5	40	178	<20	1.07	<10
J556020		10	5.67	785	2	1.04	2870	80	6	1.57	<5	15	82	<20	0.11	<10
J556021		30	7.21	2040	<1	1.61	196	910	11	0.21	<5	37	283	<20	1.06	<10
J556022		20	11.80	1410	<1	0.79	891	750	6	0.43	<5	17	397	<20	0.81	<10
J556023		20	12.80	1415	<1	0.76	792	750	3	0.12	<5	18	376	<20	0.83	<10
J556023 CRD		20	12.95	1440	<1	0.78	805	760	3	0.13	<5	18	383	<20	0.85	<10
J556024		20	13.70	1525	<1	0.51	840	770	<2	0.66	<5	17	269	<20	0.79	<10
J556025		20	14.05	1510	<1	0.43	1260	670	5	1.11	<5	16	231	<20	0.71	<10
J556026		20	13.40	1410	<1	0.43	1060	660	6	1.02	<5	15	244	<20	0.71	<10
J556027		20	14.05	1415	<1	0.58	1150	710	5	0.81	<5	16	333	<20	0.70	<10
J556028		20	14.60	1470	<1	0.70	1050	650	4	0.20	<5	15	348	<20	0.72	<10
J556029		20	14.70	1440	<1	0.67	1240	600	4	0.37	<5	15	315	<20	0.68	<10
J556030		20	0.26	427	<1	2.71	5	200	4	<0.01	<5	5	184	<20	0.13	<10
J556031		20	14.25	1455	<1	0.70	1180	610	3	0.51	<5	16	368	<20	0.77	<10
J556032		20	13.50	1440	<1	0.67	898	750	4	0.23	5	17	379	<20	0.78	<10
J556033		20	13.55	1400	<1	0.55	1480	670	4	1.19	5	16	333	<20	0.72	<10
J556033 FPD		20	13.50	1400	<1	0.54	1480	670	6	1.19	6	16	331	<20	0.71	<10
J556034		20	13.05	1400	<1	0.59	1770	650	8	1.54	7	15	335	<20	0.74	<10
J556035		20	13.35	1410	<1	0.74	1110	750	2	0.30	<5	16	370	<20	0.80	<10
J556036		20	14.20	1425	<1	0.63	1540	680	7	0.61	5	16	347	<20	0.76	<10
J556037		20	13.90	1415	<1	0.80	1330	730	5	0.47	5	16	358	<20	0.78	<10
J556038		20	13.40	1370	<1	0.73	1600	710	6	0.73	<5	16	364	<20	0.78	<10
J556039		20	13.65	1365	<1	0.70	1820	680	7	0.94	<5	16	331	<20	0.75	<10
J556040		10	10.20	1520	<1	0.33	5020	170	13	4.88	26	13	89	<20	0.20	<10
J556041		20	12.75	1335	<1	0.65	1840	710	8	1.34	6	16	328	<20	0.76	<10
J556042		20	12.55	1320	<1	0.70	1240	660	4	0.48	<5	16	348	<20	0.79	<10
J556043		20	12.65	1395	<1	0.82	953	800	5	0.27	<5	18	391	<20	0.87	<10
J556043 CRD		20	12.70	1405	<1	0.84	958	790	5	0.28	<5	17	391	<20	0.86	<10
J556044		20	12.65	1345	<1	0.63	1080	730	6	0.72	<5	17	352	<20	0.81	<10
J556045		20	12.55	1350	1	0.81	989	740	6	0.26	5	17	459	<20	0.81	<10
J556046		20	13.45	1365	<1	0.59	2140	700	9	1.31	<5	16	317	<20	0.75	<10
J556047		20	12.90	1350	<1	0.74	1890	670	12	1.25	<5	16	354	<20	0.78	<10
J556048		20	12.60	1355	<1	0.77	1660	700	10	1.37	5	17	361	<20	0.81	<10
J556049		30	8.31	1115	1	1.40	3700	680	49	4.39	<5	11	338	<20	0.63	<10
J556050		20	12.40	1320	<1	0.82	1220	750	9	0.40	5	17	357	<20	0.85	<10
J556051		20	12.50	1340	<1	0.72	1030	750	3	0.23	5	17	376	<20	0.86	<10
J556052		20	12.45	1330	<1	0.66	1340	640	6	0.67	<5	15	330	<20	0.79	<10

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556018 TO J556022**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 23-FEB-2011
Account: MGMAM

Project: TBND11-002

CERTIFICATE OF ANALYSIS TB11020538

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-OG62	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Cu	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.001	0.0005	0.001	0.03	0.03	0.03
J556016		10	392	<10	186		0.004	<0.0005	0.001			
J556017		<10	308	<10	157		0.004	0.0005	0.001			
J556018		<10	257	<10	113		<0.001	0.0036	0.003			
J556019		<10	241	<10	109		0.015	0.0632	0.019			
J556020		10	73	<10	71		0.056	0.1980	0.748			
J556021		<10	229	<10	117		0.003	0.0415	0.026			
J556022		<10	163	<10	112		0.018	0.288	0.285			
J556023		<10	170	<10	103		0.009	0.0640	0.054			
J556023 CRD		<10	173	<10	107		0.009	0.0706	0.064			
J556024		<10	165	<10	124		0.009	0.0757	0.067			
J556025		<10	153	<10	127		0.036	0.596	0.571			
J556026		<10	150	<10	107		0.024	0.352	0.335			
J556027		<10	149	<10	107		0.027	0.400	0.379			
J556028		<10	150	<10	106		0.019	0.269	0.256			
J556029		<10	142	<10	105		0.027	0.396	0.398			
J556030		10	17	<10	27		0.003	0.0014	0.002			
J556031		<10	153	<10	111		0.032	0.460	0.449			
J556032		<10	163	<10	106		0.013	0.130	0.118			
J556033		<10	153	<10	107		0.046	0.746	0.726			
J556033 FPD		<10	154	<10	106		0.048	0.752	0.724			
J556034		<10	157	<10	112		0.059	0.957	0.940			
J556035		<10	162	<10	103		0.023	0.313	0.299			
J556036		<10	156	<10	107		0.056	0.944	0.882			
J556037		<10	159	<10	105		0.037	0.666	0.612			
J556038		<10	160	<10	104		0.055	0.947	0.877			
J556039		<10	154	<10	104		0.067	>1.00	>1.00	0.08	1.22	1.18
J556040		<10	84	<10	119		0.068	0.371	0.923			
J556041		<10	159	<10	104		0.077	>1.00	>1.00	0.08	1.25	1.22
J556042		<10	159	<10	106		0.050	0.736	0.679			
J556043		<10	173	<10	109		0.023	0.317	0.302			
J556043 CRD		<10	172	<10	106		0.023	0.314	0.277			
J556044		<10	166	<10	104		0.041	0.530	0.473			
J556045		<10	162	<10	100		0.025	0.333	0.299			
J556046		<10	154	<10	108		0.070	>1.00	>1.00	0.08	1.43	1.34
J556047		<10	159	<10	106		0.100	>1.00	>1.00	0.11	1.64	1.49
J556048		<10	162	10	105		0.098	>1.00	>1.00	0.12	1.64	1.47
J556049		<10	118	<10	179	1.735	0.540	>1.00	>1.00	0.69	13.10	9.57
J556050		<10	169	<10	108		0.083	>1.00	0.975	0.08	1.01	0.87
J556051		<10	172	<10	105		0.019	0.269	0.235			
J556052		<10	161	<10	107		0.042	0.710	0.657			

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556018 TO J556022**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 23-FEB-2011
Account: MGMAM

Project: TBND11-002

CERTIFICATE OF ANALYSIS TB11020538

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556053		2.09	1.5	3.69	5	140	0.8	<2	3.06	<0.5	136	2230	2220	10.40	10	0.48
J556053 FPD		<0.02	1.4	3.64	10	130	0.8	<2	3.07	0.5	135	2240	2200	10.35	10	0.47
J556054		2.00	2.7	3.58	10	160	0.9	<2	3.24	0.5	172	1970	3920	11.30	10	0.48
J556055		2.16	3.0	3.13	<5	140	0.8	<2	3.02	0.6	269	1650	7050	13.65	10	0.33
J556056		2.16	5.9	3.21	38	80	0.7	<2	3.22	1.1	195	1635	8110	12.25	<10	0.30
J556057		2.12	4.4	3.74	44	140	0.8	<2	3.57	1.1	130	1825	5150	10.60	10	0.36
J556058		2.13	1.4	3.72	11	130	0.7	<2	3.62	<0.5	120	1995	1535	10.25	10	0.38
J556059		2.10	0.7	3.83	11	80	0.8	<2	3.54	1.0	113	1790	486	9.82	10	0.30
J556060		0.08	0.5	7.04	8	60	<0.5	<2	5.07	<0.5	82	3670	695	6.68	10	0.17
J556061		2.50	1.4	3.64	14	80	0.9	<2	3.99	1.6	120	1850	1785	9.82	10	0.31
J556062		2.36	2.1	3.85	<5	190	1.1	<2	3.62	0.6	143	1885	3220	11.00	10	0.64
J556063		2.13	1.5	3.75	7	160	0.8	<2	3.53	<0.5	130	2000	1920	10.60	10	0.51
J556063 CRD		<0.02	1.4	3.71	<5	160	0.8	<2	3.51	<0.5	129	1965	1950	10.65	10	0.52
J556064		2.28	0.6	3.78	13	170	0.8	<2	3.82	<0.5	114	2070	719	10.10	10	0.39
J556065		2.35	1.5	3.65	15	150	0.7	<2	4.16	<0.5	137	1940	2300	10.45	10	0.30
J556066		2.40	3.1	2.95	35	100	0.6	<2	2.96	0.6	208	1815	5680	12.35	10	0.21
J556067		2.23	2.2	3.19	10	90	0.7	<2	3.57	<0.5	140	1950	2980	10.55	10	0.21
J556068		2.38	2.2	3.36	39	150	0.7	<2	3.33	0.5	133	2180	2630	10.70	10	0.30
J556069		2.40	3.4	3.20	13	120	0.6	<2	3.35	0.9	136	2030	4990	10.65	<10	0.26
J556070		0.06	<0.5	6.53	<5	950	0.9	<2	1.46	<0.5	3	17	2	1.45	10	2.16
J556071		2.31	<0.5	3.11	<5	110	0.6	<2	3.27	<0.5	123	2350	376	10.20	<10	0.25
J556072		2.25	<0.5	3.20	<5	120	0.6	<2	3.34	<0.5	126	2600	309	10.40	10	0.25
J556073		2.29	1.0	3.19	<5	130	0.6	<2	3.38	<0.5	131	2360	1190	10.45	10	0.26
J556073 FPD		<0.02	1.0	3.14	7	130	0.6	<2	3.40	<0.5	130	2430	1165	10.45	<10	0.29
J556074		2.21	1.1	3.36	<5	130	0.6	<2	3.41	<0.5	128	2310	1245	10.45	10	0.28
J556075		2.07	2.9	3.85	<5	160	0.7	2	3.82	0.6	123	2090	3120	10.55	10	0.28
J556076		2.02	2.9	3.08	8	120	0.6	<2	2.94	0.8	187	2410	4640	12.00	10	0.23
J556077		2.16	3.9	3.11	8	120	0.6	<2	2.66	0.8	152	2200	4800	11.10	10	0.24
J556078		2.41	2.1	3.35	<5	250	0.7	<2	2.67	<0.5	163	2340	2650	11.80	<10	0.27
J556079		2.19	4.0	3.98	8	510	0.8	2	2.81	0.9	223	1420	6230	15.45	10	0.24
J556080		0.08	<0.5	5.37	13	50	<0.5	<2	2.61	<0.5	120	>10000	239	10.25	10	0.12
J556081		2.24	<0.5	5.53	11	230	1.2	<2	2.57	<0.5	102	817	239	11.90	20	0.50
J556082		0.70	<0.5	0.04	<5	20	<0.5	<2	20.1	<0.5	<1	26	15	0.21	<10	0.01
J556083		2.28	0.5	7.36	11	400	1.6	<2	4.00	<0.5	67	70	57	11.60	20	0.92
J556083 CRD		<0.02	<0.5	7.35	10	400	1.6	<2	3.98	<0.5	68	70	58	11.70	20	0.91
J556084		1.13	<0.5	8.06	15	290	2.2	<2	4.10	<0.5	39	22	20	5.74	20	1.04
J556085		2.02	<0.5	6.88	8	1620	1.3	<2	0.48	<0.5	2	4	12	1.28	20	4.38
J556700		1.06	1.4	3.63	5	170	0.8	<2	3.75	<0.5	108	2250	1610	10.05	10	0.39

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556018 TO J556022**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 23-FEB-2011
Account: MGMAM

Project: TBND11-002

CERTIFICATE OF ANALYSIS TB11020538

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556053		20	12.90	1395	<1	0.76	1635	710	9	0.61	<5	16	328	<20	0.85	<10
J556053 FPD		20	12.80	1385	<1	0.74	1615	710	9	0.58	<5	16	324	<20	0.86	<10
J556054		20	12.20	1410	<1	0.79	2520	790	12	1.61	7	17	312	<20	0.83	<10
J556055		20	11.20	1320	4	0.76	5200	670	14	3.66	<5	15	309	<20	0.75	<10
J556056		20	11.20	1390	1	0.48	3930	690	22	3.95	<5	16	220	<20	0.78	<10
J556057		20	11.50	1325	4	0.74	1825	810	16	1.95	<5	17	358	<20	0.88	<10
J556058		20	12.60	1400	<1	0.69	1210	760	8	0.68	<5	17	334	<20	0.94	<10
J556059		20	12.30	1485	<1	0.48	923	980	27	0.50	<5	17	196	<20	0.92	<10
J556060		10	10.50	1195	<1	0.80	1415	160	7	0.34	18	20	198	<20	0.12	<10
J556061		20	11.90	1475	<1	0.50	1355	780	26	1.06	<5	16	195	<20	0.85	<10
J556062		30	11.75	1430	<1	0.85	1815	850	16	1.66	<5	18	336	<20	0.89	<10
J556063		30	12.15	1445	<1	0.85	1500	880	10	1.11	<5	18	347	<20	0.92	<10
J556063 CRD		30	12.20	1445	<1	0.82	1455	880	12	1.13	<5	18	342	<20	0.91	<10
J556064		20	12.35	1375	<1	0.88	1060	720	4	0.95	<5	18	395	<20	0.87	<10
J556065		20	11.50	1350	<1	0.83	1665	780	5	1.67	<5	17	405	<20	0.82	<10
J556066		20	12.35	1365	<1	0.54	3290	630	17	3.41	<5	15	272	<20	0.69	<10
J556067		20	12.65	1405	<1	0.59	1760	660	16	1.55	<5	17	296	<20	0.78	<10
J556068		20	13.05	1395	<1	0.71	1515	740	9	1.77	5	16	337	<20	0.76	<10
J556069		20	13.30	1360	<1	0.68	1955	630	12	1.35	<5	16	331	<20	0.78	<10
J556070		20	0.23	422	1	2.77	2	190	8	<0.01	<5	5	186	<20	0.13	<10
J556071		20	14.40	1390	<1	0.62	1105	660	3	0.27	<5	15	330	<20	0.81	<10
J556072		20	14.65	1440	<1	0.63	1130	660	7	0.55	<5	16	324	<20	0.81	<10
J556073		20	14.15	1410	<1	0.64	1405	720	9	0.79	<5	16	348	<20	0.82	<10
J556073 FPD		20	14.05	1410	<1	0.63	1370	710	8	0.74	<5	16	346	<20	0.81	<10
J556074		20	13.65	1420	<1	0.64	1320	660	7	1.07	<5	17	340	<20	0.81	<10
J556075		20	12.85	1485	<1	0.85	1450	840	12	0.83	<5	18	433	<20	0.97	<10
J556076		20	12.60	1335	<1	0.66	3000	650	13	2.61	<5	15	317	<20	0.78	<10
J556077		20	13.35	1410	<1	0.60	2140	680	16	1.87	6	14	314	<20	0.76	<10
J556078		20	13.50	1445	<1	0.65	1935	790	10	1.50	<5	14	359	<20	0.78	10
J556079		20	10.60	1575	<1	0.72	3190	820	14	2.95	<5	14	472	<20	1.18	<10
J556080		10	10.70	2580	3	0.44	967	1410	3	0.06	144	20	99	<20	0.21	20
J556081		30	9.45	1470	1	1.19	479	1260	4	0.65	<5	16	366	<20	1.45	<10
J556082		<10	13.40	322	<1	0.01	8	20	<2	0.01	<5	1	131	<20	0.01	<10
J556083		40	4.68	1810	<1	2.36	71	1520	8	0.63	<5	14	385	<20	2.08	<10
J556083 CRD		40	4.72	1800	<1	2.37	72	1490	10	0.64	<5	14	384	<20	2.09	<10
J556084		50	3.52	992	<1	3.37	19	1910	13	1.15	<5	16	160	<20	1.75	<10
J556085		20	0.24	149	1	0.95	7	270	44	0.63	<5	3	141	30	0.10	<10
J556700		20	12.85	1400	<1	0.87	1215	760	7	0.34	<5	17	375	<20	0.87	<10

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556018 TO J556022**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 23-FEB-2011
Account: MGMAM

Project: TBND11-002

CERTIFICATE OF ANALYSIS TB11020538

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-OG62	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Cu	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.001	0.0005	0.001	0.03	0.03	0.03
J556053		<10	173	<10	113		0.078	>1.00	>1.00	0.07	1.05	0.94
J556053 FPD		<10	172	<10	111		0.074	>1.00	>1.00	0.07	1.07	0.95
J556054		<10	167	10	133		0.107	>1.00	>1.00	0.12	2.06	1.84
J556055		<10	158	<10	112		0.130	>1.00	>1.00	0.14	3.33	3.16
J556056		<10	165	<10	105		0.274	>1.00	>1.00	0.27	4.18	3.74
J556057		<10	182	<10	97		0.215	>1.00	>1.00	0.21	2.92	2.46
J556058		<10	185	<10	110		0.056	0.810	0.730			
J556059		<10	188	<10	281		0.011	0.128	0.115			
J556060		<10	116	<10	306		0.112	>1.00	0.567	0.11	1.28	0.58
J556061		<10	172	<10	260		0.040	0.623	0.551			
J556062		<10	193	<10	118		0.074	>1.00	>1.00	0.08	1.31	1.18
J556063		<10	192	<10	112		0.053	0.800	0.746			
J556063 CRD		<10	191	<10	112		0.056	0.922	0.835			
J556064		<10	187	<10	110		0.017	0.221	0.204			
J556065		<10	183	<10	115		0.057	0.952	0.893			
J556066		<10	163	<10	118		0.121	>1.00	>1.00	0.11	2.06	1.90
J556067		<10	174	<10	111		0.084	>1.00	>1.00	0.09	1.19	1.10
J556068		<10	177	<10	110		0.057	0.753	0.712			
J556069		<10	168	<10	110		0.188	>1.00	>1.00	0.17	2.63	1.80
J556070		20	17	<10	29		0.005	0.0015	0.005			
J556071		<10	168	<10	106		0.012	0.123	0.110			
J556072		<10	177	<10	108		<0.001	<0.0005	<0.001			
J556073		<10	173	<10	115		0.028	0.357	0.325			
J556073 FPD		<10	172	<10	115		0.032	0.428	0.406			
J556074		<10	181	<10	117		0.035	0.431	0.387			
J556075		<10	195	<10	113		0.106	>1.00	0.980	0.10	1.14	0.95
J556076		<10	169	<10	117		0.117	>1.00	>1.00	0.11	1.60	1.44
J556077		<10	154	<10	121		0.132	>1.00	>1.00	0.14	1.76	1.60
J556078		<10	162	<10	124		0.070	0.915	0.887			
J556079		<10	235	<10	130		0.112	>1.00	>1.00	0.15	1.78	1.70
J556080		<10	498	<10	225		0.076	>1.00	>1.00	0.07	1.15	1.42
J556081		<10	257	30	170		0.008	0.0521	0.052			
J556082		<10	1	<10	8		0.005	0.0052	0.007			
J556083		<10	370	<10	145		0.004	0.0021	0.003			
J556083 CRD		<10	375	<10	143		0.003	0.0019	0.002			
J556084		<10	231	<10	89		0.003	0.0011	0.001			
J556085		20	8	<10	54		0.003	<0.0005	0.002			
J556700		<10	179	<10	110		0.062	0.870	0.739			

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556018 TO J556022**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

CERTIFICATE TB11023528

Project: TBND11-003

P.O. No.:

This report is for 42 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 15-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-003

CERTIFICATE OF ANALYSIS TB11023528

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556098		2.67	<0.5	6.18	8	370	1.6	<2	6.19	<0.5	50	296	189	8.85	20	0.66
J556099		4.35	<0.5	5.11	<5	240	1.4	<2	6.68	<0.5	52	411	145	8.40	10	0.57
J556100		0.08	0.7	8.86	<5	80	<0.5	<2	7.04	<0.5	102	437	3560	6.73	10	0.41
J556101		4.38	<0.5	4.08	8	200	1.0	<2	5.25	<0.5	82	952	276	9.16	10	0.45
J556102		4.51	<0.5	3.76	5	190	0.9	<2	4.32	<0.5	96	1285	775	9.56	10	0.45
J556103		4.22	<0.5	3.48	12	180	1.0	<2	3.98	<0.5	100	1425	468	9.63	10	0.45
J556103 CRD		<0.02	<0.5	3.33	13	170	0.9	<2	4.04	<0.5	100	1490	461	9.62	10	0.43
J556104		2.27	0.6	3.69	26	150	1.0	<2	3.56	<0.5	108	1500	1170	9.61	10	0.49
J556105		2.48	0.6	3.16	28	230	1.0	<2	3.08	<0.5	115	1865	1040	10.05	10	0.48
J556106		2.14	0.7	3.26	6	160	0.8	<2	3.97	<0.5	122	1600	1805	10.30	10	0.37
J556107		2.39	<0.5	3.87	15	220	1.0	<2	3.82	<0.5	100	1365	1310	9.73	10	0.39
J556108		2.49	0.9	3.56	13	200	1.0	<2	3.41	<0.5	115	1625	1710	10.20	10	0.46
J556109		2.23	0.6	3.85	<5	170	1.0	<2	4.14	<0.5	102	1515	1395	9.76	10	0.48
J556110		0.06	<0.5	6.37	<5	930	0.9	<2	1.43	<0.5	2	27	6	1.47	10	2.09
J556111		2.22	0.8	3.82	5	190	1.0	<2	4.07	<0.5	112	1565	1595	10.30	10	0.45
J556112		2.38	2.0	3.56	<5	180	0.9	<2	4.11	<0.5	135	1580	3460	10.80	10	0.42
J556113		2.54	2.3	3.55	<5	150	0.9	<2	4.16	<0.5	131	1510	3830	10.70	10	0.37
J556113 FPD		<0.02	2.4	3.77	8	160	0.9	<2	4.42	<0.5	145	1765	4250	11.55	10	0.40
J556114		2.13	3.5	3.39	12	160	1.1	<2	3.47	0.6	119	1680	4100	10.50	10	0.42
J556115		2.35	1.6	3.37	6	160	0.8	<2	4.13	<0.5	102	1770	2110	9.83	10	0.41
J556116		2.43	<0.5	3.53	<5	180	0.9	<2	4.27	<0.5	98	1910	351	9.76	10	0.42
J556117		2.29	<0.5	3.50	11	180	1.0	<2	3.78	<0.5	99	2020	870	9.43	10	0.47
J556118		2.29	<0.5	3.72	14	230	1.0	<2	4.00	<0.5	99	2250	380	9.79	20	0.52
J556119		2.29	<0.5	3.58	15	200	1.0	<2	4.16	<0.5	100	2210	257	9.80	10	0.52
J556120		0.08	<0.5	6.85	<5	60	<0.5	<2	5.04	<0.5	79	3400	658	6.57	10	0.16
J556121		2.19	<0.5	3.64	21	310	1.1	<2	4.01	<0.5	91	2130	247	9.28	10	0.45
J556122		2.19	0.6	3.96	22	260	1.0	<2	4.78	<0.5	111	1510	1850	10.00	10	0.40
J556123		0.85	2.1	6.61	199	410	1.2	<2	0.34	<0.5	27	88	1430	3.28	20	3.49
J556123 CRD		<0.02	2.0	6.69	222	360	1.2	<2	0.28	<0.5	28	65	1540	3.25	20	3.61
J556124		1.05	<0.5	6.84	11	1120	1.0	<2	0.14	<0.5	2	14	37	0.94	20	5.51
J556125		1.90	0.6	7.00	12	1240	1.3	<2	0.17	<0.5	4	23	58	1.60	20	5.03
J556126		2.04	0.8	6.83	16	1110	1.4	<2	0.20	<0.5	2	21	39	1.08	10	5.16
J556127		1.94	<0.5	7.30	10	1340	1.4	<2	0.22	<0.5	1	13	3	1.10	20	5.21
J556128		3.89	<0.5	6.85	16	1090	1.3	<2	0.28	<0.5	1	14	1	0.97	20	5.44
J556129		1.72	<0.5	6.09	27	120	1.5	<2	2.93	<0.5	58	328	67	9.60	20	0.48
J556130		2.08	<0.5	3.89	19	140	1.0	<2	1.82	<0.5	122	1340	61	12.60	20	0.57
J556131		2.77	<0.5	5.20	18	330	1.1	<2	2.21	<0.5	108	880	53	14.00	20	0.83
J556132		4.52	<0.5	6.85	28	210	1.6	<2	3.05	<0.5	68	152	44	12.50	30	0.97
J556133		1.32	<0.5	7.27	27	330	2.0	<2	3.93	<0.5	37	11	27	8.45	20	0.77
J556133 FPD		<0.02	<0.5	7.54	30	390	2.0	<2	4.06	<0.5	37	10	27	8.63	20	0.79

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-003

CERTIFICATE OF ANALYSIS TB11023528

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556098		30	5.51	1470	<1	1.99	125	1330	<2	0.51	<5	30	656	<20	1.42	<10
J556099		20	6.13	1345	<1	1.65	159	1120	<2	0.08	<5	30	568	<20	1.25	<10
J556100		<10	6.26	843	1	1.14	3000	100	2	1.69	6	16	88	<20	0.12	<10
J556101		20	10.55	1380	<1	1.13	524	870	<2	0.26	5	22	459	<20	0.97	<10
J556102		20	11.70	1370	<1	1.04	805	760	4	0.63	5	18	478	<20	0.87	<10
J556103		20	12.15	1365	<1	0.80	784	790	3	0.54	<5	18	307	<20	0.86	<10
J556103 CRD		20	12.05	1360	<1	0.78	778	790	<2	0.52	7	18	298	<20	0.85	<10
J556104		20	12.15	1360	<1	0.61	979	760	<2	1.04	8	16	220	<20	0.83	<10
J556105		20	13.30	1375	<1	0.60	1070	710	<2	1.03	5	16	228	<20	0.74	<10
J556106		20	12.35	1385	<1	0.80	1370	820	4	1.36	5	16	376	<20	0.81	<10
J556107		20	11.35	1395	<1	0.77	949	920	3	1.24	<5	18	312	<20	0.91	<10
J556108		20	12.40	1440	<1	0.81	1160	850	2	1.31	<5	17	316	<20	0.83	<10
J556109		20	11.15	1360	<1	1.09	988	950	2	0.81	6	18	379	<20	0.91	<10
J556110		10	0.28	432	<1	2.72	5	200	3	0.01	<5	5	179	<20	0.13	<10
J556111		20	11.85	1385	<1	1.05	1110	850	3	0.69	5	18	391	<20	0.94	<10
J556112		20	11.70	1365	<1	1.00	1685	790	7	1.25	6	18	393	<20	0.89	<10
J556113		20	11.45	1335	<1	0.96	1800	760	8	1.53	<5	18	391	<20	0.91	<10
J556113 FPD		20	12.05	1420	3	0.97	1960	780	17	1.70	<5	19	411	<20	0.98	<10
J556114		20	11.55	1330	1	0.85	1440	850	14	1.70	<5	18	328	<20	0.81	<10
J556115		20	11.70	1315	1	0.89	1035	820	9	0.65	<5	18	370	<20	0.87	<10
J556116		20	12.00	1350	1	0.98	805	820	4	0.25	<5	19	402	<20	0.89	<10
J556117		20	11.50	1290	1	1.04	954	800	7	0.58	<5	17	341	<20	0.84	<10
J556118		20	12.25	1390	1	1.09	890	720	4	0.41	<5	18	383	<20	0.88	<10
J556119		20	12.60	1355	1	1.08	858	880	3	0.13	<5	18	402	<20	0.89	<10
J556120		10	10.40	1135	2	0.80	1295	160	8	0.31	<5	19	184	<20	0.12	<10
J556121		20	11.25	1245	1	1.00	775	770	5	0.21	<5	18	364	<20	0.87	<10
J556122		20	9.45	1155	1	0.95	1355	750	9	1.18	<5	22	358	<20	0.97	<10
J556123		20	0.60	142	5	2.78	387	390	23	2.37	<5	6	156	<20	0.38	<10
J556123 CRD		20	0.49	116	5	2.82	425	400	24	2.55	<5	5	156	<20	0.37	<10
J556124		20	0.16	47	4	1.46	15	220	14	0.63	<5	2	121	20	0.06	<10
J556125		30	0.25	61	9	1.82	27	320	25	1.26	<5	3	141	30	0.07	<10
J556126		30	0.26	67	1	1.90	8	230	13	0.58	<5	3	142	20	0.06	<10
J556127		20	0.22	63	<1	2.19	4	230	11	0.60	<5	2	169	30	0.06	<10
J556128		30	0.17	65	<1	1.94	<1	200	11	0.60	<5	2	190	20	0.04	10
J556129		30	5.36	1090	2	2.31	166	1450	90	6.36	<5	16	230	<20	1.44	<10
J556130		20	11.30	1400	1	0.42	631	800	7	3.93	<5	14	170	<20	1.12	<10
J556131		30	8.45	1455	1	0.81	375	1510	9	2.23	<5	14	211	<20	1.68	10
J556132		40	3.52	1120	1	2.52	86	1450	23	4.25	<5	14	437	<20	1.81	<10
J556133		40	2.74	983	1	3.35	15	1780	24	3.78	<5	15	336	<20	1.59	<10
J556133 FPD		50	2.79	1055	1	3.35	14	1780	26	3.59	<5	15	345	<20	1.58	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-003

CERTIFICATE OF ANALYSIS TB11023528

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001	0.03	0.03	0.03
J556098		<10	282	<10	134	0.007	0.0192	0.009			
J556099		<10	259	<10	106	0.005	0.0186	0.008			
J556100		10	79	<10	66	0.055	0.189	0.684			
J556101		<10	193	<10	101	0.012	0.0810	0.082			
J556102		<10	176	<10	107	0.021	0.278	0.267			
J556103		<10	177	<10	108	0.014	0.163	0.153			
J556103 CRD		<10	174	<10	105	0.013	0.156	0.149			
J556104		<10	171	<10	116	0.031	0.454	0.453			
J556105		<10	163	<10	121	0.030	0.442	0.425			
J556106		<10	164	<10	105	0.046	0.760	0.750			
J556107		<10	188	<10	116	0.034	0.494	0.475			
J556108		<10	173	<10	114	0.040	0.612	0.606			
J556109		<10	184	<10	103	0.041	0.605	0.579			
J556110		10	17	<10	25	0.003	0.0015	0.001			
J556111		<10	189	<10	107	0.037	0.579	0.568			
J556112		<10	180	<10	109	0.099	>1.00	>1.00	0.09	1.30	1.32
J556113		<10	179	<10	103	0.090	>1.00	>1.00	0.10	1.57	1.56
J556113 FPD		<10	190	<10	118	0.116	>1.00	>1.00	0.10	1.70	1.66
J556114		<10	174	<10	121	0.146	>1.00	>1.00	0.14	1.89	1.76
J556115		<10	176	<10	103	0.104	>1.00	>1.00	0.08	1.09	0.98
J556116		<10	184	<10	102	0.014	0.171	0.160			
J556117		<10	174	<10	104	0.035	0.494	0.439			
J556118		<10	184	<10	112	0.012	0.151	0.138			
J556119		<10	179	<10	104	0.010	0.114	0.094			
J556120		<10	111	<10	292	0.112	>1.00	0.598	0.11	1.23	0.56
J556121		<10	182	<10	104	0.009	0.109	0.091			
J556122		<10	202	<10	130	0.043	0.841	0.775			
J556123		20	58	<10	32	0.032	0.637	0.592			
J556123 CRD		10	55	<10	30	0.028	0.623	0.588			
J556124		<10	6	<10	8	0.003	0.0054	0.005			
J556125		<10	6	<10	22	0.009	0.0527	0.079			
J556126		10	6	<10	13	0.004	0.0038	0.014			
J556127		10	6	<10	5	0.003	0.0049	0.005			
J556128		<10	4	<10	6	0.002	0.0005	<0.001			
J556129		<10	249	<10	112	0.007	0.0032	0.003			
J556130		<10	232	<10	137	0.005	0.0064	0.006			
J556131		<10	337	<10	158	0.003	0.0014	0.001			
J556132		<10	376	<10	134	0.002	0.0006	0.001			
J556133		<10	216	10	119	0.003	0.0005	<0.001			
J556133 FPD		<10	214	<10	121	0.002	0.0005	<0.001			

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-003

CERTIFICATE OF ANALYSIS TB11023528

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556134		3.98	<0.5	6.67	10	870	1.3	<2	0.30	<0.5	1	13	1	1.18	20	4.27
J556701		1.82	<0.5	3.81	26	170	0.9	<2	1.76	<0.5	115	1240	53	12.20	20	0.57

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-003

CERTIFICATE OF ANALYSIS TB11023528

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556134		40	0.20	66	<1	2.40	1	240	27	0.66	<5	3	159	30	0.08	<10
J556701		20	11.15	1365	2	0.43	598	780	7	3.76	<5	13	167	<20	1.09	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-003

CERTIFICATE OF ANALYSIS TB11023528

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001	0.03	0.03	0.03
J556134		<10	7	<10	11	0.002	<0.0005	<0.001			
J556701		<10	226	<10	134	0.003	0.0051	0.005			

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
This copy reported on
22-AUG-2011
Account: MGMAM

CERTIFICATE TB11024230

Project: TBND11-004

P.O. No.:

This report is for 16 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 15-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-004

CERTIFICATE OF ANALYSIS TB11024230

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556135		4.47	<0.5	6.12	17	240	1.1	<2	6.95	<0.5	47	215	238	8.47	20	0.51
J556136		2.98	<0.5	4.95	10	580	0.9	<2	7.73	<0.5	59	717	186	8.40	20	0.22
J556137		4.07	<0.5	3.40	10	1220	0.7	<2	2.75	<0.5	133	1960	401	11.10	10	0.26
J556138		4.50	<0.5	2.93	5	110	0.6	<2	2.74	<0.5	141	2380	613	11.00	10	0.25
J556139		4.38	<0.5	2.94	<5	110	0.6	<2	2.65	<0.5	141	2590	630	10.95	10	0.25
J556140		0.08	0.9	2.76	21	90	<0.5	<2	7.19	<0.5	285	1885	2620	12.20	10	0.42
J556141		4.68	0.5	3.11	5	110	0.7	<2	2.83	<0.5	138	2880	878	10.75	10	0.25
J556142		4.46	<0.5	3.15	7	130	0.6	<2	3.07	<0.5	127	2720	623	10.40	10	0.26
J556143		4.50	<0.5	3.46	7	140	0.7	<2	3.25	<0.5	122	2450	492	10.35	10	0.28
J556143 CRD		<0.02	<0.5	3.50	7	140	0.7	<2	3.26	<0.5	123	2420	471	10.45	10	0.29
J556144		4.20	<0.5	4.15	8	130	1.0	2	3.00	<0.5	115	2130	255	10.85	10	0.25
J556145		1.26	<0.5	7.14	12	1340	1.9	<2	1.16	<0.5	20	95	23	3.86	20	4.24
J556146		4.95	<0.5	7.81	14	160	1.8	<2	3.57	<0.5	68	96	53	12.90	30	0.48
J556147		4.20	<0.5	6.64	6	420	1.5	<2	0.27	<0.5	2	22	13	1.02	20	3.55
J556148		3.71	<0.5	9.06	14	590	2.2	<2	0.84	<0.5	20	113	76	4.60	20	3.03
J556149		0.06	<0.5	6.54	7	960	1.0	<2	1.46	<0.5	2	25	4	1.48	10	2.20

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556138 TO J556142**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-004

CERTIFICATE OF ANALYSIS TB11024230

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556135		30	5.42	1240	1	2.11	118	1050	6	0.72	6	39	449	<20	1.35	<10
J556136		20	8.00	1695	<1	1.49	216	980	8	0.42	<5	42	424	<20	1.18	<10
J556137		20	14.10	1795	1	0.47	1015	720	3	0.59	<5	14	217	<20	0.84	<10
J556138		20	15.15	1475	<1	0.45	1310	660	<2	0.29	<5	12	265	<20	0.77	<10
J556139		20	15.00	1455	1	0.48	1330	620	<2	0.35	<5	12	291	<20	0.78	<10
J556140		10	10.15	1550	1	0.35	5240	180	13	4.84	17	13	91	<20	0.21	<10
J556141		20	14.40	1420	1	0.50	1395	700	<2	0.39	<5	13	257	<20	0.78	<10
J556142		20	13.90	1405	1	0.56	1155	660	<2	0.53	<5	14	336	<20	0.76	<10
J556143		20	13.50	1390	<1	0.64	1160	730	<2	0.40	<5	15	356	<20	0.86	<10
J556143 CRD		20	13.65	1410	<1	0.65	1150	730	<2	0.39	<5	15	358	<20	0.89	<10
J556144		20	12.35	1565	<1	0.59	872	900	7	0.59	<5	16	265	<20	0.98	<10
J556145		30	1.52	477	<1	1.66	51	660	14	0.36	<5	6	321	20	0.55	<10
J556146		40	3.25	1240	1	2.99	67	1750	21	2.00	9	15	522	<20	2.34	<10
J556147		10	0.14	61	7	1.86	5	310	29	0.51	<5	3	117	<20	0.07	<10
J556148		30	1.86	606	2	1.60	71	710	6	0.40	<5	15	199	<20	0.35	<10
J556149		10	0.24	443	<1	2.79	3	190	4	<0.01	<5	5	183	<20	0.14	<10

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556138 TO J556142**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-004

CERTIFICATE OF ANALYSIS TB11024230

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001
J556135		10	296	<10	115	0.007	0.0184	0.005
J556136		<10	255	<10	160	0.006	0.0403	0.040
J556137		<10	171	<10	166	0.016	0.1865	0.187
J556138		<10	155	<10	111	0.021	0.246	0.250
J556139		<10	156	<10	114	0.019	0.233	0.232
J556140		<10	86	<10	115	0.070	0.344	0.927
J556141		<10	160	<10	108	0.022	0.277	0.284
J556142		<10	160	<10	107	0.011	0.1350	0.133
J556143		<10	173	<10	107	0.012	0.1395	0.133
J556143 CRD		<10	176	<10	110	0.010	0.1275	0.121
J556144		<10	194	<10	117	0.005	0.0492	0.045
J556145		20	93	<10	45	0.001	0.0016	0.001
J556146		10	432	<10	180	0.002	0.0010	0.001
J556147		30	8	<10	4	0.003	0.0006	<0.001
J556148		10	122	<10	65	0.001	0.0017	0.002
J556149		10	18	<10	27	0.001	<0.0005	<0.001

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556138 TO J556142**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

CERTIFICATE TB11024594

Project: TBND11-005

P.O. No.:

This report is for 18 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 18-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-005

CERTIFICATE OF ANALYSIS TB11024594

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556150		0.08	0.6	2.74	15	90	<0.5	3	7.12	<0.5	278	1810	2580	12.15	<10	0.40
J556151		4.67	<0.5	7.60	10	180	1.1	<2	5.19	<0.5	61	18	218	11.15	20	0.61
J556152		4.47	<0.5	6.47	7	180	1.0	<2	6.53	<0.5	56	123	317	8.89	20	0.47
J556153		3.34	<0.5	4.72	5	130	1.0	<2	8.27	<0.5	51	576	188	7.62	10	0.31
J556153 FPD		<0.02	<0.5	4.67	<5	130	0.9	<2	8.12	<0.5	50	555	192	7.27	10	0.31
J556154		3.06	<0.5	3.32	7	70	0.7	<2	3.34	<0.5	115	1605	363	10.05	10	0.20
J556155		4.15	<0.5	2.79	<5	90	0.6	<2	2.38	<0.5	131	2350	243	10.40	<10	0.22
J556156		4.21	<0.5	2.68	<5	90	0.5	<2	2.30	<0.5	136	2740	318	10.65	10	0.21
J556157		4.24	<0.5	2.56	<5	90	0.5	<2	2.23	<0.5	135	2730	460	10.35	10	0.21
J556158		4.26	<0.5	2.73	<5	100	0.6	<2	2.53	<0.5	137	2800	570	10.60	10	0.23
J556159		4.42	<0.5	3.10	<5	110	0.6	<2	3.08	<0.5	128	2420	710	10.25	10	0.27
J556160		0.07	<0.5	6.31	<5	920	0.9	<2	1.38	<0.5	4	21	2	1.42	10	2.11
J556161		4.36	<0.5	3.69	<5	130	0.8	<2	2.88	<0.5	125	2110	510	10.80	10	0.24
J556162		1.81	<0.5	6.13	10	430	1.5	<2	3.04	<0.5	83	475	91	10.85	20	0.41
J556163		0.48	<0.5	8.06	7	50	2.8	<2	3.98	<0.5	27	12	6	7.81	20	0.29
J556163 CRD		<0.02	<0.5	8.00	11	50	2.8	<2	3.88	<0.5	27	10	9	7.71	20	0.29
J556164		3.35	<0.5	6.68	<5	940	1.9	<2	0.29	<0.5	2	7	4	1.28	20	4.21
J556165		3.75	<0.5	6.78	5	1020	2.4	<2	0.30	<0.5	1	6	3	0.89	20	4.22

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-005

CERTIFICATE OF ANALYSIS TB11024594

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556150		10	10.35	1510	<1	0.34	5230	190	15	4.96	20	13	90	<20	0.21	<10
J556151		20	3.42	1190	<1	2.64	96	950	7	0.89	<5	22	563	<20	1.93	<10
J556152		20	5.24	1070	<1	2.17	143	880	7	0.64	<5	35	481	<20	1.43	<10
J556153		20	6.16	1220	<1	1.39	151	880	5	0.57	<5	43	528	<20	1.19	<10
J556153 FPD		20	6.08	1195	<1	1.37	146	880	8	0.57	<5	43	525	<20	1.16	<10
J556154		10	13.10	1710	<1	0.50	814	730	4	0.20	<5	16	174	<20	0.82	<10
J556155		10	14.85	1410	<1	0.43	1155	610	2	0.29	<5	12	228	<20	0.71	<10
J556156		10	15.85	1405	<1	0.38	1260	570	<2	0.25	<5	12	213	<20	0.68	<10
J556157		10	15.35	1325	<1	0.32	1270	560	<2	0.25	<5	12	191	<20	0.66	<10
J556158		10	15.30	1380	<1	0.37	1285	600	<2	0.46	<5	13	229	<20	0.66	<10
J556159		10	14.15	1340	<1	0.50	1275	670	<2	0.35	<5	13	343	<20	0.81	<10
J556160		10	0.25	418	<1	2.67	3	190	6	<0.01	<5	5	181	<20	0.13	<10
J556161		20	12.80	1430	<1	0.64	1000	870	2	0.70	<5	13	357	<20	0.92	<10
J556162		30	6.69	2030	1	1.81	292	1310	44	0.39	<5	15	426	<20	1.59	<10
J556163		50	2.91	970	1	3.60	18	1870	5	0.34	<5	16	197	<20	1.68	<10
J556163 CRD		50	2.88	958	<1	3.59	18	1860	3	0.29	6	15	196	<20	1.68	<10
J556164		30	0.29	99	1	1.57	3	470	4	0.40	<5	3	230	20	0.08	<10
J556165		30	0.22	67	1	1.69	1	370	5	0.21	<5	3	200	20	0.08	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 1-MAR-2011
Account: MGMAM

Project: TBND11-005

CERTIFICATE OF ANALYSIS TB11024594

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001
J556150		<10	83	<10	115	0.091	0.380	0.933
J556151		<10	484	<10	123	0.003	0.0031	0.004
J556152		<10	339	<10	107	0.007	0.0245	0.006
J556153		<10	244	<10	100	0.007	0.0245	0.018
J556153 FPD		<10	240	<10	98	0.007	0.0242	0.017
J556154		<10	160	<10	191	0.017	0.216	0.195
J556155		<10	144	<10	107	0.008	0.0906	0.082
J556156		<10	141	<10	111	0.009	0.119	0.108
J556157		<10	138	<10	103	0.014	0.172	0.160
J556158		<10	149	<10	110	0.017	0.209	0.184
J556159		<10	162	<10	108	0.022	0.275	0.240
J556160		10	16	<10	27	0.002	0.0021	0.002
J556161		<10	179	<10	121	0.023	0.153	0.133
J556162		<10	269	<10	230	0.003	0.0063	0.006
J556163		<10	215	<10	99	0.002	0.0008	0.001
J556163 CRD		<10	214	<10	98	0.002	0.0005	<0.001
J556164		10	8	<10	6	0.002	<0.0005	<0.001
J556165		10	6	<10	5	0.002	<0.0005	<0.001

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 4-MAR-2011
This copy reported on
22-AUG-2011
Account: MGMAM

CERTIFICATE TB11027947

Project: TBND11-007

P.O. No.:

This report is for 18 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 22-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 4-MAR-2011
Account: MGMAM

Project: TBND11-007

CERTIFICATE OF ANALYSIS TB11027947

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556176		3.99	<0.5	7.41	7	320	1.8	<2	2.75	<0.5	24	1	5	7.23	20	1.68
J556177		4.50	<0.5	6.76	15	170	1.1	<2	4.81	<0.5	44	155	145	8.89	10	0.79
J556178		4.23	<0.5	3.34	54	350	0.7	<2	4.37	<0.5	106	1060	101	9.95	10	0.28
J556179		4.93	<0.5	2.70	<5	110	0.5	<2	2.67	<0.5	135	1500	500	10.85	<10	0.30
J556180		0.08	<0.5	6.83	<5	60	<0.5	<2	4.91	<0.5	78	3390	643	6.45	<10	0.16
J556181		4.50	<0.5	2.72	9	110	0.5	<2	2.73	<0.5	132	2200	87	10.80	<10	0.26
J556182		4.31	<0.5	2.57	5	100	0.5	<2	2.44	<0.5	137	2960	171	10.85	<10	0.27
J556183		4.30	<0.5	2.53	30	100	0.5	<2	2.14	<0.5	133	2720	95	10.90	<10	0.26
J556183 CRD		<0.02	<0.5	2.56	25	100	0.5	<2	2.15	<0.5	135	2830	101	11.05	10	0.26
J556184		4.53	<0.5	2.62	<5	100	0.5	<2	2.77	<0.5	139	2850	161	11.30	<10	0.24
J556185		4.32	<0.5	2.63	<5	90	0.5	<2	3.07	<0.5	133	3120	221	10.90	<10	0.25
J556186		4.25	<0.5	3.09	<5	110	0.6	<2	3.33	<0.5	122	2570	199	10.60	<10	0.28
J556187		4.14	<0.5	4.01	<5	210	1.0	<2	3.27	<0.5	126	2180	108	11.90	10	0.40
J556188		2.18	<0.5	5.94	8	930	1.7	<2	3.63	<0.5	76	718	74	9.25	10	1.57
J556189		0.28	<0.5	8.23	37	140	1.9	<2	2.17	<0.5	46	23	1145	7.52	20	0.80
J556190		0.06	<0.5	6.47	<5	930	0.9	<2	1.42	<0.5	2	21	2	1.45	10	2.17
J556191		1.27	<0.5	6.66	8	1000	1.1	<2	1.04	1.3	3	11	14	2.20	10	4.36
J556192		3.67	<0.5	6.46	<5	910	1.3	<2	0.14	<0.5	2	17	5	1.29	20	4.37

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556178 TO J556182**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 4-MAR-2011
Account: MGMAM

Project: TBND11-007

CERTIFICATE OF ANALYSIS TB11027947

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556176		40	2.58	948	1	3.40	3	2080	9	1.04	<5	14	161	<20	1.35	10
J556177		20	4.63	2160	<1	3.05	75	1110	8	0.42	<5	27	219	<20	1.74	10
J556178		20	12.75	1620	<1	0.60	684	740	12	1.33	<5	22	231	<20	0.83	<10
J556179		10	15.40	1410	<1	0.52	1020	620	3	0.41	<5	12	294	<20	0.67	10
J556180		10	10.25	1125	1	0.78	1300	150	8	0.31	<5	19	182	<20	0.11	10
J556181		20	16.50	1390	<1	0.50	1160	590	<2	0.23	<5	13	287	<20	0.64	10
J556182		20	16.25	1390	<1	0.45	1165	550	3	0.40	<5	12	232	<20	0.60	10
J556183		10	16.35	1375	<1	0.39	1120	550	2	1.14	<5	12	185	<20	0.57	10
J556183 CRD		20	16.60	1390	<1	0.40	1140	550	3	1.17	<5	12	187	<20	0.58	10
J556184		20	17.05	1445	<1	0.47	1170	570	<2	0.24	<5	13	282	<20	0.67	<10
J556185		10	15.55	1405	<1	0.46	1135	530	<2	0.50	<5	13	244	<20	0.67	<10
J556186		20	14.50	1355	1	0.61	1030	730	3	0.37	<5	14	351	<20	0.79	<10
J556187		20	13.35	1445	<1	0.86	804	880	5	0.36	<5	13	391	<20	0.94	10
J556188		40	6.48	1320	<1	1.42	310	1050	13	0.80	<5	11	369	<20	1.07	10
J556189		40	4.08	894	2	3.48	246	1840	52	1.87	<5	16	83	<20	1.67	<10
J556190		10	0.25	416	<1	2.75	2	190	6	<0.01	<5	5	176	<20	0.13	<10
J556191		30	0.62	254	<1	0.70	6	120	31	1.25	<5	2	134	30	0.07	10
J556192		30	0.59	119	<1	0.94	4	100	19	0.41	<5	2	139	30	0.07	<10

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556178 TO J556182**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 4-MAR-2011
Account: MGMAM

Project: TBND11-007

CERTIFICATE OF ANALYSIS TB11027947

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001	0.03	0.03	0.03
J556176		<10	199	<10	104	0.002	<0.0005	<0.001			
J556177		10	330	<10	132	0.004	0.0086	0.004			
J556178		<10	163	<10	112	0.002	0.0466	0.037			
J556179		<10	127	<10	105	0.022	0.359	0.333			
J556180		10	110	<10	293	0.111	>1.00	0.626	0.13	1.29	0.59
J556181		<10	137	<10	109	0.001	0.0247	0.020			
J556182		<10	136	<10	109	0.005	0.0973	0.089			
J556183		<10	134	<10	108	0.005	0.0382	0.032			
J556183 CRD		<10	136	<10	111	0.004	0.0335	0.028			
J556184		<10	146	<10	113	0.007	0.0548	0.050			
J556185		<10	152	<10	111	0.008	0.0718	0.066			
J556186		10	170	<10	109	0.008	0.0675	0.060			
J556187		<10	191	<10	127	0.004	0.0248	0.020			
J556188		<10	191	<10	101	0.003	0.0054	0.005			
J556189		10	221	<10	141	0.015	0.128	0.114			
J556190		10	16	<10	27	0.002	0.0009	0.001			
J556191		<10	8	<10	136	0.002	0.0007	<0.001			
J556192		<10	6	<10	14	0.002	0.0006	0.001			

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J556178 TO J556182**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 3-MAR-2011
This copy reported on
22-AUG-2011
Account: MGMAM

CERTIFICATE TB11027948

Project: TBND11-009

P.O. No.:

This report is for 7 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 22-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 3-MAR-2011
Account: MGMAM

Project: TBND11-009

CERTIFICATE OF ANALYSIS TB11027948

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J556195		3.89	1.0	15.45	12	2790	2.4	<2	0.66	<0.5	5	62	11	3.37	40	9.95
J556196		1.53	1.3	16.45	24	1620	3.7	<2	3.21	<0.5	28	264	188	9.54	50	6.75
J556197		2.80	0.9	4.58	13	260	1.6	<2	3.51	<0.5	124	1560	69	12.20	20	0.52
J556198		4.45	1.4	6.74	<5	360	2.1	<2	4.06	<0.5	139	947	64	17.50	20	0.60
J556199		4.78	1.0	7.82	14	360	2.8	<2	4.11	<0.5	85	122	47	14.75	20	0.96
J569200		0.08	1.5	2.65	14	90	<0.5	<2	7.31	<0.5	275	1960	2540	12.35	<10	0.40
J569201		0.33	0.5	7.08	<5	1090	2.1	<2	0.97	<0.5	9	25	40	2.31	20	4.74

Comments: **CORRECTED COPY FOR ME-ICP61 ON SAMPLES J556195 TO J569201**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 3-MAR-2011
Account: MGMAM

Project: TBND11-009

CERTIFICATE OF ANALYSIS TB11027948

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J556195		90	1.17	293	<1	4.23	21	1520	12	0.91	10	8	567	50	0.24	10
J556196		120	5.79	1710	<1	5.70	104	2660	25	1.09	<5	18	623	60	1.21	<10
J556197		20	12.05	1600	<1	1.04	696	1100	3	0.26	7	13	459	20	1.29	<10
J556198		40	9.15	1895	<1	1.69	456	1520	21	0.72	<5	19	630	40	2.48	<10
J556199		50	3.72	1525	2	2.68	94	1640	22	1.97	6	15	624	40	2.60	<10
J569200		10	10.50	1530	1	0.35	5390	180	23	5.04	30	13	88	<20	0.21	<10
J569201		40	0.87	225	<1	1.98	12	300	18	0.40	<5	4	354	30	0.18	<10

Comments: **CORRECTED COPY FOR ME-ICP61 ON SAMPLES J556195 TO J569201**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 3-MAR-2011
Account: MGMAM

Project: TBND11-009

CERTIFICATE OF ANALYSIS TB11027948

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001
J556195		<10	39	<10	17	0.002	<0.0005	<0.001
J556196		<10	167	<10	205	0.002	0.0015	0.002
J556197		<10	228	<10	138	0.003	0.0091	0.007
J556198		<10	509	<10	210	0.003	0.0022	0.001
J556199		<10	500	<10	177	0.002	0.0005	<0.001
J569200		<10	87	<10	123	0.051	0.333	0.836
J569201		<10	23	<10	42	0.002	<0.0005	<0.001

Comments: **CORRECTED COPY FOR ME-ICP61 ON SAMPLES J556195 TO J569201**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

CERTIFICATE TB11031012

Project: TBND11-010

P.O. No.:

This report is for 18 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

Project: TBND11-010

CERTIFICATE OF ANALYSIS TB11031012

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J569202		1.49	<0.5	2.87	<5	100	0.6	<2	2.69	<0.5	136	2610	185	10.50	10	0.28
J569203		2.16	<0.5	3.09	15	140	0.6	2	2.41	<0.5	132	2720	322	10.40	10	0.24
J569203 CRD		<0.02	<0.5	3.16	13	150	0.6	<2	2.50	<0.5	138	2830	348	10.85	10	0.25
J569204		2.24	2.1	2.92	8	120	0.6	<2	2.16	0.5	165	2820	2560	12.35	10	0.27
J569205		0.50	<0.5	0.04	11	10	<0.5	3	19.9	<0.5	2	8	8	0.10	<10	0.01
J569206		2.39	1.7	3.16	6	110	0.6	2	2.25	<0.5	164	2020	2100	13.50	<10	0.30
J569207		2.30	0.6	3.68	5	130	0.7	<2	2.71	<0.5	142	1890	255	13.65	10	0.38
J569208		2.28	0.5	4.08	9	160	0.9	3	2.87	<0.5	124	1630	95	11.75	10	0.41
J569209		2.26	<0.5	4.07	7	180	0.9	2	3.20	<0.5	126	1300	52	12.15	10	0.41
J569210		0.08	<0.5	6.77	9	50	<0.5	<2	4.99	<0.5	77	3430	651	6.38	10	0.16
J569211		2.29	0.5	4.50	9	160	0.9	4	3.01	<0.5	119	1130	52	12.70	10	0.42
J569212		2.32	0.7	6.03	8	240	1.3	<2	3.55	<0.5	96	649	51	13.60	10	0.55
J569213		2.45	0.8	7.14	12	400	1.7	<2	3.69	0.6	76	198	54	13.75	20	0.91
J569213 FPD		<0.02	0.5	7.24	11	410	1.7	3	3.79	0.5	79	200	51	13.95	20	0.93
J569214		1.62	0.8	7.78	19	350	2.1	<2	3.50	0.5	36	11	62	7.62	20	1.25
J569215		4.59	<0.5	7.19	12	640	2.1	<2	0.65	<0.5	15	87	62	2.52	20	4.23
J569216		3.62	<0.5	6.63	10	800	1.0	<2	0.29	<0.5	4	16	4	0.94	20	4.58
J569217		0.06	<0.5	6.33	11	880	0.9	<2	1.44	<0.5	2	17	1	1.42	10	2.08

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

Project: TBND11-010

CERTIFICATE OF ANALYSIS TB11031012

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J569202		10	15.15	1435	<1	0.55	1200	610	<2	0.45	<5	13	307	<20	0.65	<10
J569203		10	14.25	1435	<1	0.61	1155	740	2	0.98	<5	12	308	<20	0.65	<10
J569203 CRD		20	14.80	1485	<1	0.62	1205	780	<2	1.04	<5	13	313	<20	0.66	<10
J569204		20	14.15	1450	2	0.61	2180	680	5	1.54	7	10	309	<20	0.70	<10
J569205		<10	12.75	305	1	0.02	6	30	2	<0.01	<5	<1	114	<20	<0.01	<10
J569206		20	13.55	1605	1	0.70	1615	660	5	1.22	<5	11	337	<20	0.91	<10
J569207		20	12.15	1595	1	0.83	715	940	3	0.52	<5	10	404	<20	1.18	<10
J569208		20	12.20	1530	1	0.93	704	1040	3	0.43	<5	12	435	<20	0.98	<10
J569209		20	12.10	1545	1	0.99	671	920	2	0.47	<5	12	464	<20	1.04	<10
J569210		<10	10.05	1160	1	0.76	1280	150	9	0.32	20	19	186	<20	0.11	<10
J569211		20	10.25	1470	1	0.95	496	1070	4	0.87	<5	12	442	<20	1.34	<10
J569212		30	6.84	1470	1	1.50	290	1350	7	0.75	<5	13	610	<20	1.91	<10
J569213		40	3.71	1385	2	2.39	115	1500	17	1.10	<5	13	755	<20	2.21	<10
J569213 FPD		40	3.80	1410	1	2.41	110	1510	12	1.10	<5	13	757	<20	2.22	<10
J569214		50	2.94	1275	1	3.26	14	2200	11	0.66	<5	14	522	<20	1.63	<10
J569215		20	1.43	276	4	1.64	39	690	14	0.60	<5	8	223	<20	0.23	<10
J569216		50	0.29	77	8	1.89	7	560	26	0.36	<5	3	264	20	0.08	<10
J569217		10	0.23	421	1	2.68	2	190	7	<0.01	<5	5	177	<20	0.13	<10

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

Project: TBND11-010

CERTIFICATE OF ANALYSIS TB11031012

Sample Description	Method Analyte Units LOR	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	PGM-MS23 Au ppm 0.001	PGM-MS23 Pt ppm 0.0005	PGM-MS23 Pd ppm 0.001	PGM-ICP27 Au ppm 0.03	PGM-ICP27 Pt ppm 0.03	PGM-ICP27 Pd ppm 0.03
J569202		<10	150	<10	113	0.005	0.0473	0.044			
J569203		<10	155	<10	116	0.009	0.0897	0.085			
J569203 CRD		<10	160	<10	120	0.009	0.0974	0.093			
J569204		<10	158	<10	123	0.069	0.967	0.895			
J569205		10	3	<10	7	0.002	0.0020	0.003			
J569206		<10	193	<10	135	0.055	0.713	0.691			
J569207		<10	240	<10	140	0.008	0.0824	0.073			
J569208		<10	185	<10	128	0.002	0.0153	0.016			
J569209		<10	193	<10	129	0.001	0.0056	0.006			
J569210		<10	112	<10	292	0.113	>1.00	0.634	NSS	NSS	NSS
J569211		<10	260	<10	136	0.002	0.0033	0.005			
J569212		<10	372	<10	160	0.020	0.0013	0.001			
J569213		<10	451	<10	168	0.001	0.0009	0.002			
J569213 FPD		<10	456	<10	167	0.001	0.0007	0.002			
J569214		<10	195	<10	176	0.001	<0.0005	0.001			
J569215		<10	59	<10	33	0.001	0.0011	0.001			
J569216		<10	15	<10	9	0.001	0.0005	0.001			
J569217		<10	15	<10	26	0.001	<0.0005	<0.001			

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

Project: TBND11-010

CERTIFICATE OF ANALYSIS TB11031012

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
This copy reported on
22-AUG-2011
Account: MGMAM

CERTIFICATE TB11031013

Project: TBND11-011

P.O. No.:

This report is for 10 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

Project: TBND11-011

CERTIFICATE OF ANALYSIS TB11031013

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J569218		2.16	1.0	3.75	9	120	0.6	<2	3.53	<0.5	134	2340	1310	11.55	10	0.31
J569219		2.28	0.8	3.39	11	140	0.7	3	2.44	<0.5	136	2540	313	12.15	10	0.30
J569220		0.08	1.1	8.21	7	50	<0.5	<2	6.62	<0.5	97	409	3200	6.09	10	0.37
J569221		1.95	<0.5	3.37	11	120	0.7	3	2.35	<0.5	144	1850	78	13.00	10	0.29
J569222		2.28	0.8	3.76	10	140	0.7	5	2.54	<0.5	140	1790	66	13.60	10	0.30
J569223		4.25	0.9	4.08	14	140	0.9	5	3.21	<0.5	117	1520	103	11.50	10	0.30
J569223 CRD		<0.02	0.5	4.00	18	140	0.8	3	3.12	<0.5	116	1470	94	11.40	10	0.32
J569224		2.83	0.7	5.28	11	470	1.1	2	3.77	<0.5	107	846	50	13.45	10	0.42
J569225		3.84	0.8	7.33	16	580	1.6	5	3.06	0.5	70	88	70	12.10	20	0.95
J569226		0.77	<0.5	7.73	13	930	1.8	<2	0.86	<0.5	24	125	15	5.12	20	3.19

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J569218 TO J569222**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

Project: TBND11-011

CERTIFICATE OF ANALYSIS TB11031013

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J569218		20	13.20	1535	1	0.81	1415	750	8	0.57	8	15	335	<20	0.82	<10
J569219		20	14.05	1580	1	0.76	929	700	3	0.53	5	11	375	<20	0.80	<10
J569220		<10	5.84	788	1	1.06	2780	80	6	1.53	<5	14	81	<20	0.11	<10
J569221		20	13.35	1595	1	0.79	767	750	2	0.65	<5	11	367	<20	0.90	<10
J569222		20	12.40	1665	1	0.86	679	970	4	0.95	6	11	447	<20	1.05	<10
J569223		20	11.50	1530	1	0.85	656	900	10	0.53	<5	13	435	<20	1.02	<10
J569223 CRD		20	11.15	1500	1	0.84	644	890	10	0.51	<5	12	426	<20	1.03	<10
J569224		30	8.90	1640	1	1.08	382	1240	12	0.75	<5	12	474	<20	1.74	<10
J569225		40	4.25	1565	1	2.47	78	1600	20	1.30	<5	13	529	<20	2.19	<10
J569226		20	2.37	442	8	2.24	56	770	13	0.38	<5	13	285	<20	0.42	<10

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J569218 TO J569222**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 18-MAR-2011
Account: MGMAM

Project: TBND11-011

CERTIFICATE OF ANALYSIS TB11031013

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001
J569218		<10	192	<10	135	0.035	0.499	0.460
J569219		<10	175	<10	125	0.007	0.1150	0.105
J569220		<10	73	<10	65	0.057	0.2000	0.723
J569221		<10	202	<10	133	<0.001	0.0139	0.014
J569222		<10	241	<10	151	<0.001	0.0076	0.007
J569223		<10	191	<10	250	0.001	0.0123	0.012
J569223 CRD		<10	192	<10	246	0.002	0.0131	0.012
J569224		<10	346	<10	161	0.001	0.0017	0.002
J569225		<10	398	<10	163	<0.001	0.0005	0.001
J569226		<10	113	<10	81	0.001	0.0016	0.002

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J569218 TO J569222**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 13-MAR-2011
Account: MGMAM

CERTIFICATE TB11031014

Project: TBND11-012

P.O. No.:

This report is for 5 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-FEB-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 13-MAR-2011
Account: MGMAM

Project: TBND11-012

CERTIFICATE OF ANALYSIS TB11031014

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J569227		4.51	<0.5	4.13	5	160	0.9	<2	3.57	<0.5	109	1115	199	11.45	10	0.43
J569228		4.36	0.5	5.80	6	240	1.4	<2	3.39	<0.5	87	525	48	12.10	20	0.67
J569229		2.21	<0.5	6.94	16	510	1.8	<2	3.13	<0.5	37	12	26	7.34	20	1.60
J569230		0.06	<0.5	6.06	<5	860	0.9	<2	1.38	<0.5	2	15	<1	1.38	10	2.08
J569231		4.08	<0.5	6.64	6	950	1.5	<2	0.30	<0.5	3	11	<1	1.13	20	4.43

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 13-MAR-2011
Account: MGMAM

Project: TBND11-012

CERTIFICATE OF ANALYSIS TB11031014

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J569227		20	10.50	1405	<1	0.89	616	940	2	0.34	9	12	434	<20	1.13	<10
J569228		30	6.76	1435	<1	1.50	264	1280	8	0.61	5	13	509	<20	1.75	<10
J569229		40	2.71	1050	1	2.68	13	1470	6	0.93	<5	12	541	<20	1.38	<10
J569230		10	0.22	401	<1	2.61	<1	180	4	<0.01	<5	5	173	<20	0.12	<10
J569231		40	0.35	93	<1	2.14	4	410	15	0.39	<5	3	316	<20	0.09	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 13-MAR-2011
Account: MGMAM

Project: TBND11-012

CERTIFICATE OF ANALYSIS TB11031014

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001
J569227		<10	210	<10	138	0.004	0.0343	0.035
J569228		<10	321	<10	148	0.001	0.0014	0.001
J569229		<10	185	<10	98	<0.001	<0.0005	<0.001
J569230		10	16	<10	27	0.011	<0.0005	<0.001
J569231		<10	15	<10	10	0.001	<0.0005	<0.001

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 20-MAR-2011
Account: MGMAM

CERTIFICATE TB11036617

Project: TBND11-013

P.O. No.:

This report is for 73 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-MAR-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Ni-OG62	Ore Grade Ni - Four Acid	VARIABLE
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 20-MAR-2011
Account: MGMAM

Project: TBND11-013

CERTIFICATE OF ANALYSIS TB11036617

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J552500		1.00	2.7	2.44	<5	130	0.6	<2	2.78	0.9	275	2240	6660	14.30	10	0.29
J552501		2.14	2.2	2.80	8	160	0.8	2	2.91	0.6	222	2540	5790	12.65	10	0.36
J552502		2.24	5.6	2.48	10	110	0.5	<2	3.36	1.4	233	2610	9620	13.30	10	0.24
J552503		2.36	4.1	1.95	<5	90	<0.5	<2	2.67	1.1	352	2710	>10000	16.20	<10	0.17
J552503 CRD		<0.02	3.5	1.96	<5	90	<0.5	<2	2.66	1.1	348	2820	>10000	16.05	<10	0.17
J552504		2.26	5.4	2.15	13	80	<0.5	7	2.71	1.5	333	2150	>10000	15.60	10	0.18
J552505		2.57	6.7	2.51	<5	100	0.5	10	3.12	1.7	306	1940	>10000	15.45	10	0.22
J552506		2.52	5.1	2.28	<5	100	0.5	4	2.76	1.5	325	2000	>10000	15.80	10	0.23
J552507		2.23	4.9	2.47	<5	120	0.6	3	2.74	1.4	264	2260	9290	14.15	10	0.29
J552508		2.13	4.6	2.26	<5	120	0.6	5	2.52	1.4	271	2270	9590	13.95	<10	0.29
J552509		2.42	6.9	2.04	<5	90	<0.5	6	2.55	1.8	240	2470	>10000	13.15	<10	0.19
J552510		0.08	0.6	5.27	6	50	<0.5	<2	2.60	0.5	119	>10000	258	10.05	<10	0.12
J552511		2.04	9.1	2.34	5	100	<0.5	<2	2.71	2.0	206	2710	>10000	12.25	<10	0.19
J552512		2.47	6.4	2.53	5	100	0.5	4	2.76	1.4	180	2690	8070	11.25	<10	0.22
J552513		2.33	4.4	2.16	<5	110	0.5	2	2.39	1.2	305	2640	8320	14.50	<10	0.23
J552513 FPD		<0.02	4.2	2.12	<5	110	0.5	<2	2.33	0.9	295	2610	8260	14.10	<10	0.23
J552514		2.35	3.3	2.51	<5	120	0.6	3	2.62	0.8	235	2860	6330	12.60	<10	0.28
J552515		2.20	4.6	2.03	<5	90	<0.5	3	2.35	1.1	334	2780	>10000	15.50	<10	0.20
J552516		2.37	5.7	2.01	12	80	<0.5	12	2.34	1.2	317	2520	>10000	15.10	<10	0.19
J552517		2.46	4.2	1.82	<5	70	<0.5	4	2.25	0.9	373	2310	>10000	16.45	<10	0.16
J552518		2.46	6.8	2.15	<5	90	<0.5	<2	2.48	1.3	329	2260	>10000	15.60	<10	0.20
J552519		2.40	6.7	2.00	<5	80	<0.5	<2	2.45	1.5	409	2050	>10000	17.25	<10	0.17
J552520		0.06	<0.5	6.70	<5	930	0.9	<2	1.46	<0.5	3	15	1	1.44	10	2.19
J552521		2.33	9.5	2.20	<5	90	<0.5	8	2.45	1.8	367	2130	>10000	16.40	<10	0.20
J552522		2.21	6.2	2.51	<5	90	<0.5	7	2.56	1.4	297	2410	>10000	15.10	<10	0.21
J552523		2.32	7.2	2.23	<5	90	<0.5	20	2.16	1.7	348	2170	>10000	15.75	<10	0.21
J552523 CRD		<0.02	6.9	2.20	7	90	<0.5	6	2.15	1.6	351	2220	>10000	15.80	<10	0.21
J552524		2.56	6.2	1.70	<5	80	<0.5	<2	2.00	1.2	511	2040	>10000	19.20	<10	0.15
J552525		2.45	5.7	1.63	<5	70	<0.5	<2	1.81	1.1	593	2130	>10000	21.6	<10	0.18
J552526		2.31	7.3	2.20	<5	90	<0.5	<2	2.26	1.3	399	2280	>10000	17.70	<10	0.22
J552527		2.40	6.5	1.53	<5	60	<0.5	12	1.91	1.3	481	2140	>10000	20.2	<10	0.13
J552528		2.44	7.7	1.91	<5	70	<0.5	9	2.18	1.4	437	2220	>10000	18.55	<10	0.16
J552529		2.34	15.3	2.23	<5	90	<0.5	10	2.30	3.0	336	1990	>10000	15.90	<10	0.19
J552530		0.08	0.5	6.85	5	60	<0.5	3	4.90	<0.5	80	3440	716	6.31	10	0.16
J552531		2.38	13.0	2.13	<5	80	<0.5	7	1.96	2.7	460	1950	>10000	17.90	<10	0.18
J552532		2.00	6.4	1.76	12	70	<0.5	13	1.60	1.5	418	2180	>10000	17.70	<10	0.17
J552533		2.24	8.1	1.54	131	60	<0.5	<2	1.50	1.8	472	2270	>10000	19.45	<10	0.15
J552533 FPD		<0.02	8.2	1.49	130	60	<0.5	7	1.46	1.9	478	2230	>10000	19.25	<10	0.15
J552534		2.19	8.0	2.04	<5	70	<0.5	<2	2.41	2.1	355	2420	>10000	16.50	<10	0.19
J552535		2.40	8.8	2.07	<5	80	<0.5	<2	2.38	1.9	325	2150	>10000	15.45	<10	0.18

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 20-MAR-2011
Account: MGMAM

Project: TBND11-013

CERTIFICATE OF ANALYSIS TB11036617

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J552500		10	13.10	1355	<1	0.74	4120	540	8	3.90	<5	13	282	<20	0.58	<10
J552501		20	12.25	1245	<1	0.85	3490	580	7	3.23	<5	14	294	<20	0.66	<10
J552502		10	13.00	1480	<1	0.63	3820	550	14	4.50	<5	14	300	<20	0.62	<10
J552503		10	12.95	1315	<1	0.47	5790	420	12	5.65	<5	13	224	<20	0.53	<10
J552503 CRD		10	12.75	1300	<1	0.47	5830	410	12	5.57	<5	13	224	<20	0.53	<10
J552504		10	12.20	1300	<1	0.47	5500	480	17	5.50	<5	13	249	<20	0.61	<10
J552505		10	13.20	1395	<1	0.62	5120	600	20	4.81	<5	14	329	<20	0.67	<10
J552506		10	13.35	1370	<1	0.61	5770	590	16	5.07	<5	13	291	<20	0.59	<10
J552507		10	13.65	1365	<1	0.69	4620	550	15	3.87	<5	13	293	<20	0.61	<10
J552508		20	12.75	1280	1	0.63	5260	500	15	3.47	<5	13	246	<20	0.57	<10
J552509		20	13.70	1310	<1	0.48	4450	470	23	3.61	<5	12	248	<20	0.55	<10
J552510		10	10.55	2500	3	0.43	1010	1410	<2	0.07	<5	20	99	<20	0.20	20
J552511		20	13.45	1310	<1	0.54	3740	530	29	2.53	<5	13	288	<20	0.62	<10
J552512		20	13.75	1300	<1	0.63	3160	610	20	1.80	<5	13	331	<20	0.65	<10
J552513		20	13.55	1305	<1	0.57	5450	550	11	3.57	<5	12	254	<20	0.53	<10
J552513 FPD		20	13.35	1275	<1	0.56	5270	560	12	3.42	<5	11	250	<20	0.52	<10
J552514		20	13.85	1310	<1	0.70	4130	530	8	2.48	<5	12	282	<20	0.58	<10
J552515		20	13.90	1325	1	0.52	6660	440	11	4.23	<5	12	229	<20	0.51	<10
J552516		20	13.40	1315	<1	0.47	6280	440	12	4.67	<5	12	226	<20	0.51	<10
J552517		20	13.20	1305	<1	0.47	7530	400	10	4.76	<5	11	210	<20	0.48	<10
J552518		20	13.40	1340	<1	0.55	6390	470	20	4.20	<5	12	246	<20	0.55	<10
J552519		20	12.10	1270	<1	0.50	8520	420	20	5.41	<5	12	233	<20	0.54	<10
J552520		20	0.23	422	<1	2.77	2	190	6	<0.01	<5	6	182	<20	0.13	<10
J552521		20	12.65	1300	<1	0.56	7260	480	27	4.62	<5	12	254	<20	0.57	<10
J552522		20	13.40	1335	<1	0.59	6100	480	17	3.83	<5	12	297	<20	0.61	<10
J552523		20	12.25	1260	<1	0.50	7530	520	21	5.49	<5	10	260	<20	0.56	<10
J552523 CRD		20	12.25	1250	<1	0.49	7700	520	20	5.49	<5	10	257	<20	0.57	<10
J552524		10	11.50	1205	<1	0.40	>10000	390	17	6.53	<5	10	204	<20	0.45	<10
J552525		20	11.45	1250	<1	0.40	>10000	330	16	7.28	<5	9	175	<20	0.41	<10
J552526		20	12.60	1350	<1	0.51	8950	460	17	5.38	<5	11	239	<20	0.55	<10
J552527		10	11.85	1280	<1	0.33	>10000	350	15	7.15	<5	10	164	<20	0.44	<10
J552528		20	12.00	1260	<1	0.44	9670	410	20	6.15	<5	11	209	<20	0.53	<10
J552529		20	12.70	1270	<1	0.54	7160	490	42	4.60	<5	11	256	<20	0.59	<10
J552530		10	9.89	1160	1	0.79	1390	160	4	0.35	8	19	194	<20	0.12	<10
J552531		20	11.75	1175	<1	0.49	9640	490	38	6.47	<5	10	243	<20	0.55	<10
J552532		20	12.40	1225	<1	0.30	9070	380	15	6.77	<5	10	146	<20	0.46	<10
J552533		20	12.00	1305	<1	0.24	>10000	360	22	8.57	<5	10	124	<20	0.43	<10
J552533 FPD		10	11.80	1285	<1	0.23	>10000	360	23	8.53	<5	10	120	<20	0.42	<10
J552534		20	12.25	1310	<1	0.38	8220	450	19	5.95	<5	12	203	<20	0.55	<10
J552535		20	11.40	1220	<1	0.44	7950	430	19	5.68	<5	12	219	<20	0.55	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 20-MAR-2011
Account: MGMAM

Project: TBND11-013

CERTIFICATE OF ANALYSIS TB11036617

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-OG62	Ni-OG62	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Cu	Ni	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.001	0.001	0.0005	0.001	0.03	0.03	0.03
J552500		<10	124	<10	114			0.080	>1.00	>1.00	0.09	1.86	2.01
J552501		<10	139	<10	101			0.071	>1.00	>1.00	0.07	1.72	1.86
J552502		<10	139	<10	105			0.168	>1.00	>1.00	0.20	3.30	3.29
J552503		<10	128	<10	113	1.030		0.111	>1.00	>1.00	0.13	3.67	3.86
J552503 CRD		<10	128	<10	114	1.015		0.136	>1.00	>1.00	0.14	3.69	3.82
J552504		<10	131	<10	116	1.070		0.147	>1.00	>1.00	0.19	3.98	4.01
J552505		<10	137	<10	114	1.045		0.211	>1.00	>1.00	0.26	4.33	4.23
J552506		<10	129	<10	114	1.010		0.159	>1.00	>1.00	0.19	3.98	4.09
J552507		<10	131	<10	110			0.155	>1.00	>1.00	0.19	3.82	3.85
J552508		<10	124	<10	112			0.150	>1.00	>1.00	0.18	3.95	4.02
J552509		<10	122	<10	108	1.105		0.249	>1.00	>1.00	0.30	5.05	4.97
J552510		<10	481	<10	225			0.052	0.938	>1.00	0.08	1.10	1.38
J552511		<10	127	<10	101	1.155		0.301	>1.00	>1.00	0.38	5.39	4.93
J552512		<10	127	<10	101			0.236	>1.00	>1.00	0.28	3.97	3.61
J552513		<10	113	<10	114			0.136	>1.00	>1.00	0.17	3.58	3.60
J552513 FPD		<10	112	<10	112			0.147	>1.00	>1.00	0.18	3.68	3.69
J552514		<10	125	<10	105			0.105	>1.00	>1.00	0.13	2.97	2.91
J552515		<10	117	<10	119	1.005		0.188	>1.00	>1.00	0.19	4.79	4.76
J552516		<10	118	<10	127	1.105		0.198	>1.00	>1.00	0.27	5.54	5.25
J552517		<10	114	<10	120	1.200		0.141	>1.00	>1.00	0.18	6.04	6.04
J552518		<10	125	<10	118	1.275		0.252	>1.00	>1.00	0.29	6.26	5.86
J552519		<10	126	<10	112	1.455		0.315	>1.00	>1.00	0.31	7.20	7.08
J552520		10	16	<10	28			0.003	0.0143	0.015			
J552521		<10	129	<10	115	1.395		0.429	>1.00	>1.00	0.44	6.75	6.46
J552522		<10	132	<10	116	1.150		0.266	>1.00	>1.00	0.27	5.30	5.19
J552523		<10	119	<10	116	1.440		0.288	>1.00	>1.00	0.31	6.79	6.62
J552523 CRD		<10	116	<10	113	1.450		0.258	>1.00	>1.00	0.32	6.99	6.88
J552524		<10	113	<10	113	1.535	1.315	0.264	>1.00	>1.00	0.27	7.01	6.80
J552525		<10	109	<10	128	1.595	1.505	0.248	>1.00	>1.00	0.17	4.67	4.45
J552526		<10	129	<10	150	1.390		0.277	>1.00	>1.00	0.29	6.27	6.08
J552527		<10	114	<10	137	1.790	1.210	0.209	>1.00	>1.00	0.26	8.26	8.14
J552528		<10	126	<10	127	1.770		0.219	>1.00	>1.00	0.30	8.11	7.91
J552529		<10	126	<10	121	2.01		0.511	>1.00	>1.00	0.64	9.58	8.69
J552530		10	112	<10	299			0.111	>1.00	0.616	0.11	1.18	0.54
J552531		<10	115	<10	113	2.00		0.501	>1.00	>1.00	0.51	7.65	7.14
J552532		<10	109	<10	126	1.430		0.259	>1.00	>1.00	0.23	5.46	5.18
J552533		<10	111	<10	165	1.690	1.110	0.313	>1.00	>1.00	0.30	6.71	6.62
J552533 FPD		<10	109	<10	164	1.675	1.080	0.274	>1.00	>1.00	0.29	6.51	6.26
J552534		<10	130	<10	125	1.420		0.199	>1.00	>1.00	0.29	5.72	5.33
J552535		<10	129	<10	114	1.590		0.285	>1.00	>1.00	0.34	6.57	6.28

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 20-MAR-2011
Account: MGMAM

Project: TBND11-013

CERTIFICATE OF ANALYSIS TB11036617

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J552536		2.10	12.1	2.36	5	120	<0.5	14	2.25	2.4	233	2680	>10000	13.35	<10	0.18
J552537		2.23	11.2	2.58	<5	90	0.5	2	2.47	2.1	186	2970	>10000	12.35	<10	0.20
J552538		2.39	2.0	2.90	<5	130	0.6	2	2.72	0.5	153	2540	2600	10.80	10	0.27
J552539		2.10	5.0	3.24	<5	120	0.6	5	3.08	0.9	143	2630	4740	10.90	10	0.34
J552540		0.95	2.6	3.68	<5	150	0.7	3	3.41	0.6	121	2450	2500	10.35	10	0.39
J552541		2.17	3.2	3.84	<5	160	0.9	<2	3.16	0.7	157	2240	3790	12.05	10	0.40
J552542		2.25	11.6	4.44	45	230	1.0	7	3.58	3.1	162	1160	>10000	13.60	20	0.45
J552543		3.59	<0.5	6.59	16	930	1.4	<2	0.43	<0.5	3	13	29	1.40	20	5.27
J552543 CRD		<0.02	<0.5	6.97	12	880	1.6	<2	0.48	<0.5	2	12	40	1.43	20	4.37
J552544		1.19	<0.5	0.05	<5	20	<0.5	<2	20.3	<0.5	<1	<1	5	0.07	<10	0.03
J552545		3.92	<0.5	7.15	<5	740	1.6	<2	0.43	0.5	2	7	8	1.30	20	4.22
J556704		1.11	2.6	2.56	<5	130	0.7	<2	2.82	0.6	274	2470	6540	14.10	10	0.31
J556705		1.10	2.5	3.81	<5	130	0.7	<2	3.42	<0.5	121	2520	2410	10.45	10	0.40
J569232		3.48	<0.5	6.42	12	850	1.6	<2	5.12	<0.5	50	314	171	8.43	20	0.66
J569233		4.30	<0.5	4.21	15	400	1.0	<2	6.64	<0.5	56	922	133	7.81	10	0.18
J569233 FPD		<0.02	<0.5	4.10	13	380	1.0	<2	6.56	<0.5	56	931	134	7.78	10	0.18
J569234		3.81	<0.5	3.28	8	410	0.8	2	3.13	<0.5	109	1320	532	10.10	10	0.28
J569235		3.87	<0.5	3.28	23	310	0.7	<2	3.65	<0.5	110	1720	410	10.00	10	0.24
J569236		3.77	0.6	2.74	<5	140	0.7	<2	3.59	<0.5	120	1840	1345	9.67	10	0.26
J569237		2.22	1.3	2.78	5	130	0.6	<2	3.59	<0.5	135	1890	2460	10.30	10	0.30
J569238		2.25	<0.5	2.77	<5	120	0.6	3	3.48	<0.5	110	2030	418	9.42	10	0.32
J569239		2.34	0.6	2.63	7	120	0.6	<2	3.33	<0.5	128	2050	1535	9.94	10	0.30
J569240		0.08	<0.5	6.49	9	50	<0.5	4	4.75	<0.5	77	3530	635	6.24	10	0.15
J569241		2.24	0.7	2.83	<5	120	0.6	2	3.55	<0.5	128	1830	1780	9.77	10	0.28
J569242		2.19	1.3	2.70	<5	120	0.6	<2	3.45	<0.5	139	1880	2440	10.15	10	0.28
J569243		2.31	1.3	2.66	55	110	0.6	2	3.05	<0.5	139	1840	2520	10.30	10	0.24
J569243 CRD		<0.02	1.1	2.67	56	110	0.6	<2	3.05	<0.5	136	1850	2370	10.10	10	0.23
J569244		2.20	0.8	2.74	16	120	0.6	<2	3.56	<0.5	128	1890	1675	10.05	10	0.27
J569245		2.20	<0.5	3.12	7	150	0.7	2	3.70	<0.5	109	1990	348	9.60	10	0.29
J569246		2.29	<0.5	3.04	<5	140	0.7	<2	3.60	<0.5	124	2040	1005	10.05	10	0.29
J569247		2.34	0.7	2.89	5	120	0.6	<2	3.45	<0.5	128	2120	1455	10.05	10	0.28
J569248		2.24	1.6	2.76	<5	120	0.6	<2	3.29	<0.5	144	2210	2740	10.35	10	0.25
J569249		2.50	1.7	2.41	6	110	0.5	3	2.93	0.6	244	2120	5330	12.85	10	0.24

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 20-MAR-2011
Account: MGMAM

Project: TBND11-013

CERTIFICATE OF ANALYSIS TB11036617

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J552536		20	13.05	1315	<1	0.51	4810	500	29	3.23	<5	12	255	<20	0.60	10
J552537		20	13.70	1355	<1	0.56	3430	550	28	2.14	<5	12	290	<20	0.67	<10
J552538		20	13.75	1335	<1	0.61	2060	630	3	0.89	<5	13	310	<20	0.72	<10
J552539		20	13.65	1390	<1	0.69	1880	690	9	0.79	<5	14	347	<20	0.81	<10
J552540		20	13.05	1390	<1	0.88	1230	760	7	0.57	<5	15	412	<20	0.90	<10
J552541		30	12.95	1510	<1	1.01	2160	850	19	1.55	<5	15	435	<20	0.92	<10
J552542		30	10.15	1450	1	1.03	2500	1030	37	2.94	<5	14	501	<20	1.19	<10
J552543		30	0.26	97	1	2.02	13	190	20	0.61	<5	2	172	30	0.06	<10
J552543 CRD		30	0.25	105	1	1.91	11	210	22	0.75	<5	3	179	20	0.06	<10
J552544		10	13.35	286	1	0.02	<1	20	<2	0.01	<5	1	149	<20	<0.01	<10
J552545		50	0.27	104	<1	2.46	5	270	93	0.61	<5	3	170	30	0.11	<10
J556704		20	13.10	1350	<1	0.77	4130	560	9	3.48	<5	14	300	<20	0.60	<10
J556705		30	13.00	1405	<1	0.90	1200	780	7	0.57	<5	16	423	<20	0.92	<10
J569232		30	4.71	2000	<1	1.98	133	1330	10	0.46	<5	29	678	<20	1.44	<10
J569233		20	7.73	2090	<1	1.18	240	840	5	0.21	<5	35	334	<20	1.06	<10
J569233 FPD		20	7.68	2080	<1	1.14	230	840	<2	0.19	<5	35	329	<20	1.03	<10
J569234		20	12.15	1580	<1	0.56	839	720	3	0.41	<5	18	272	<20	0.81	<10
J569235		20	12.95	1515	<1	0.47	884	750	<2	0.80	<5	17	227	<20	0.79	<10
J569236		20	12.40	1330	<1	0.78	1170	630	3	0.91	<5	15	355	<20	0.70	<10
J569237		20	12.85	1365	<1	0.74	1610	580	4	1.57	<5	15	356	<20	0.69	<10
J569238		20	12.95	1360	<1	0.73	887	580	2	0.43	<5	15	351	<20	0.69	<10
J569239		20	13.05	1360	<1	0.71	1255	580	<2	0.95	<5	15	328	<20	0.68	<10
J569240		10	9.56	1110	<1	0.74	1335	150	5	0.31	11	18	181	<20	0.11	<10
J569241		20	12.30	1360	<1	0.70	1300	610	5	1.16	<5	16	347	<20	0.72	<10
J569242		20	12.45	1345	<1	0.67	1520	620	<2	1.63	<5	15	342	<20	0.66	<10
J569243		20	12.90	1355	<1	0.57	1595	660	3	2.24	<5	15	292	<20	0.65	<10
J569243 CRD		20	12.60	1325	<1	0.58	1550	630	5	2.13	<5	15	301	<20	0.63	<10
J569244		20	13.15	1460	<1	0.71	1335	690	3	1.15	<5	16	325	<20	0.73	<10
J569245		20	12.95	1390	<1	0.87	889	720	<2	0.29	<5	17	386	<20	0.79	<10
J569246		20	13.55	1410	<1	0.85	1135	650	2	0.59	<5	16	379	<20	0.78	<10
J569247		20	13.50	1385	<1	0.75	1365	690	4	0.92	<5	15	394	<20	0.78	<10
J569248		20	13.25	1350	<1	0.78	1765	720	5	1.21	<5	15	368	<20	0.73	<10
J569249		20	12.55	1300	<1	0.69	3500	640	7	2.97	<5	13	315	<20	0.61	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 20-MAR-2011
Account: MGMAM

Project: TBND11-013

CERTIFICATE OF ANALYSIS TB11036617

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-OG62	Ni-OG62	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Cu	Ni	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.001	0.001	0.0005	0.001	0.03	0.03	0.03
J552536		<10	130	<10	115	1.580		0.375	>1.00	>1.00	0.49	6.63	5.97
J552537		<10	140	<10	114	1.270		0.392	>1.00	>1.00	0.46	5.62	4.79
J552538		<10	144	<10	111			0.061	0.821	0.776			
J552539		<10	160	<10	118			0.141	>1.00	>1.00	0.17	1.84	1.54
J552540		<10	175	<10	121			0.089	0.890	0.741			
J552541		<10	183	<10	133			0.077	>1.00	>1.00	0.09	1.17	1.13
J552542		<10	222	<10	250	1.240		0.319	>1.00	>1.00	0.42	4.00	3.79
J552543		20	4	<10	15			0.002	0.0123	0.011			
J552543 CRD		20	5	<10	13			0.001	0.0118	0.011			
J552544		<10	4	<10	10			0.001	0.0020	0.002			
J552545		10	10	<10	53			0.002	0.0041	0.003			
J556704		<10	133	<10	113			0.087	>1.00	>1.00	0.08	1.88	2.02
J556705		<10	188	<10	139			0.098	0.945	0.793			
J569232		10	285	<10	125			0.005	0.0237	0.016			
J569233		<10	219	<10	85			0.004	0.0280	0.023			
J569233 FPD		<10	219	<10	83			0.002	0.0201	0.018			
J569234		<10	166	<10	103			0.014	0.189	0.186			
J569235		<10	166	<10	110			0.010	0.135	0.131			
J569236		<10	149	<10	102			0.035	0.518	0.504			
J569237		<10	148	<10	106			0.052	0.805	0.795			
J569238		<10	149	<10	101			0.013	0.166	0.165			
J569239		<10	147	<10	103			0.039	0.589	0.576			
J569240		10	108	<10	283			0.124	>1.00	0.662	0.11	1.25	0.57
J569241		<10	154	<10	101			0.045	0.685	0.654			
J569242		<10	147	<10	104			0.059	0.924	0.884			
J569243		<10	148	<10	108			0.063	0.999	0.988			
J569243 CRD		<10	146	<10	106			0.065	>1.00	0.985	0.06	1.00	0.97
J569244		<10	156	<10	106			0.044	0.676	0.670			
J569245		<10	166	<10	102			0.012	0.141	0.132			
J569246		<10	158	<10	107			0.035	0.406	0.380			
J569247		<10	153	<10	104			0.042	0.677	0.646			
J569248		<10	146	<10	104			0.062	>1.00	0.978	0.07	1.14	1.10
J569249		<10	132	<10	100			0.078	>1.00	>1.00	0.07	1.65	1.75

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 25-MAR-2011
Account: MGMAM

CERTIFICATE TB11036618

Project: TBND11-014

P.O. No.:

This report is for 14 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-MAR-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 25-MAR-2011
Account: MGMAM

Project: TBND11-014

CERTIFICATE OF ANALYSIS TB11036618

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J552546		4.46	<0.5	7.73	15	180	1.1	<2	5.93	<0.5	53	45	521	10.65	20	0.64
J552547		4.54	<0.5	5.16	11	110	1.1	<2	8.30	<0.5	52	476	256	7.89	10	0.27
J552548		4.34	<0.5	3.46	7	90	0.7	<2	3.30	<0.5	127	1980	337	10.95	<10	0.23
J552549		4.34	<0.5	2.97	<5	90	0.6	<2	2.61	<0.5	141	2700	188	11.15	<10	0.24
J552550		0.08	1.2	9.18	5	70	<0.5	<2	7.17	<0.5	107	473	3690	6.63	10	0.40
J552551		2.85	<0.5	2.74	<5	130	0.6	<2	2.45	<0.5	142	3040	217	11.10	<10	0.23
J552552		4.40	<0.5	2.77	13	140	0.9	<2	3.32	<0.5	139	3160	269	11.05	<10	0.26
J552553		4.04	<0.5	3.03	5	110	0.6	<2	2.64	<0.5	137	3130	252	11.15	<10	0.24
J552553 FPD		<0.02	<0.5	2.90	<5	100	0.6	<2	2.54	<0.5	132	3100	230	10.70	<10	0.24
J552554		4.35	<0.5	3.12	10	100	0.6	<2	2.96	<0.5	128	2850	278	10.60	<10	0.22
J552555		4.67	<0.5	3.29	5	130	0.6	<2	2.59	<0.5	126	2480	247	10.85	<10	0.26
J552556		4.17	<0.5	4.43	10	750	1.1	<2	2.45	<0.5	119	1120	108	11.70	10	0.26
J552557		4.23	<0.5	7.03	5	920	1.6	<2	0.63	<0.5	7	12	1	1.94	20	3.95
J552558		4.20	<0.5	6.95	<5	900	1.5	<2	0.30	<0.5	1	8	<1	0.92	20	3.99

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 25-MAR-2011
Account: MGMAM

Project: TBND11-014

CERTIFICATE OF ANALYSIS TB11036618

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J552546		20	4.96	1785	<1	2.85	145	830	14	0.30	<5	31	363	<20	1.80	<10
J552547		20	6.75	1730	<1	1.48	152	880	35	0.51	<5	47	461	<20	1.22	<10
J552548		20	14.30	1775	<1	0.50	968	700	55	0.17	<5	18	208	<20	0.86	<10
J552549		20	16.15	1515	<1	0.43	1255	600	6	0.30	<5	13	222	<20	0.71	<10
J552550		10	6.36	865	<1	1.17	3160	90	5	1.74	<5	16	90	<20	0.12	<10
J552551		20	16.20	1530	<1	0.38	1285	560	6	0.30	<5	13	230	<20	0.65	<10
J552552		20	15.75	1460	<1	0.41	1270	570	4	0.97	<5	14	300	<20	0.60	<10
J552553		20	16.05	1520	<1	0.39	1250	570	4	0.60	<5	14	239	<20	0.72	<10
J552553 FPD		20	15.40	1450	<1	0.37	1200	540	5	0.59	<5	13	232	<20	0.71	<10
J552554		20	14.85	1455	<1	0.48	1190	660	5	0.41	<5	14	286	<20	0.79	<10
J552555		20	13.55	1445	<1	0.55	1015	750	3	0.38	<5	12	299	<20	0.86	<10
J552556		30	11.15	2050	<1	0.84	624	1000	45	0.59	<5	13	270	<20	1.08	<10
J552557		50	0.62	194	<1	2.20	7	490	5	0.32	<5	4	257	20	0.27	<10
J552558		30	0.24	80	<1	1.91	2	260	<2	0.12	<5	3	214	20	0.08	<10

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 25-MAR-2011
Account: MGMAM

Project: TBND11-014

CERTIFICATE OF ANALYSIS TB11036618

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23
	Analyte	U	V	W	Zn	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001
J552546		10	465	<10	126	0.009	0.0182	0.004
J552547		<10	262	<10	119	0.010	0.0163	0.008
J552548		<10	169	<10	207	0.014	0.1795	0.167
J552549		<10	152	<10	117	0.005	0.0724	0.065
J552550		10	81	<10	71	0.054	0.200	0.701
J552551		<10	148	<10	114	0.007	0.0780	0.069
J552552		<10	147	<10	121	0.007	0.0871	0.076
J552553		<10	161	<10	111	0.004	0.0693	0.062
J552553 FPD		<10	158	<10	108	0.004	0.0629	0.053
J552554		<10	169	<10	110	0.006	0.0918	0.079
J552555		<10	171	<10	113	0.006	0.0733	0.062
J552556		<10	209	<10	194	0.001	0.0111	0.009
J552557		10	33	<10	18	<0.001	0.0005	<0.001
J552558		20	7	<10	3	<0.001	<0.0005	<0.001

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 22-JUL-2011
This copy reported on
22-AUG-2011
Account: MGMAM

CERTIFICATE TB11037982

Project: TBND11-015

P.O. No.:

This report is for 12 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 8-MAR-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 22-JUL-2011
Account: MGMAM

Project: TBND11-015

CERTIFICATE OF ANALYSIS TB11037982

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J552559		2.06	<0.5	3.36	<5	150	0.7	4	2.49	<0.5	147	1880	63	13.25	<10	0.29
J552560		0.08	<0.5	6.82	<5	60	<0.5	<2	4.90	<0.5	78	3480	668	6.37	10	0.16
J552561		2.40	<0.5	3.71	<5	140	0.8	<2	2.69	<0.5	138	1770	75	13.20	10	0.36
J552562		2.39	<0.5	4.19	6	160	0.9	<2	3.42	<0.5	120	1520	134	11.45	10	0.45
J552563		2.30	<0.5	4.15	5	270	0.8	<2	3.10	<0.5	121	1410	67	11.90	10	0.31
J552563 CRD		<0.02	<0.5	4.26	5	260	0.9	<2	3.18	<0.5	121	1400	60	11.85	10	0.33
J552564		2.47	<0.5	5.58	7	710	1.4	<2	2.96	<0.5	109	744	62	14.40	10	0.58
J552565		1.69	<0.5	7.08	9	2240	1.9	<2	2.48	<0.5	82	174	36	14.50	20	1.48
J552566		2.31	<0.5	8.08	12	420	2.2	<2	2.99	<0.5	55	41	38	9.88	20	1.20
J552567		3.92	<0.5	6.97	9	950	1.4	<2	1.13	<0.5	10	10	6	2.08	20	4.07
J552568		3.86	<0.5	6.48	<5	640	1.5	2	0.28	<0.5	2	11	9	0.53	10	4.06
J552569		0.06	<0.5	6.50	<5	920	1.0	<2	1.40	<0.5	3	21	<1	1.43	10	2.16

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J552559 TO J552563**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 22-JUL-2011
Account: MGMAM

Project: TBND11-015

CERTIFICATE OF ANALYSIS TB11037982

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J552559		20	13.05	1600	<1	0.70	779	840	4	0.48	<5	11	386	<20	0.90	<10
J552560		10	9.93	1155	<1	0.75	1395	150	6	0.32	<5	19	187	<20	0.12	<10
J552561		20	11.75	1555	<1	0.80	687	760	5	0.16	<5	12	438	<20	1.18	<10
J552562		20	11.65	1485	<1	0.97	735	910	2	0.10	<5	14	503	<20	1.09	<10
J552563		20	10.80	1470	<1	0.91	658	1120	4	0.67	<5	13	504	<20	1.06	<10
J552563 CRD		20	10.60	1475	<1	0.95	639	1140	4	0.60	<5	13	519	<20	1.07	<10
J552564		30	7.22	1615	<1	1.31	349	1120	5	0.61	<5	13	550	<20	2.05	<10
J552565		40	4.03	1905	<1	2.03	113	1460	6	0.95	<5	14	759	<20	2.57	<10
J552566		50	3.72	1140	<1	2.55	38	1670	11	3.08	<5	15	601	<20	1.95	<10
J552567		20	0.78	270	3	2.51	5	560	19	0.68	<5	4	316	<20	0.36	<10
J552568		10	0.11	44	2	2.27	<1	200	17	0.26	<5	1	213	<20	0.03	<10
J552569		20	0.23	423	<1	2.73	<1	180	4	<0.01	<5	5	180	<20	0.13	<10

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J552559 TO J552563**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 22-JUL-2011
Account: MGMAM

Project: TBND11-015

CERTIFICATE OF ANALYSIS TB11037982

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001	0.03	0.03	0.03
J552559		<10	221	<10	138	0.001	0.0065	0.005			
J552560		<10	112	<10	290	0.102	>1.00	0.591	0.13	1.31	0.60
J552561		<10	253	<10	140	0.001	0.0082	0.007			
J552562		<10	197	<10	125	0.003	0.0288	0.027			
J552563		<10	210	<10	128	<0.001	0.0064	0.006			
J552563 CRD		<10	221	<10	130	0.002	0.0082	0.006			
J552564		<10	431	<10	166	0.002	0.0014	0.001			
J552565		<10	532	<10	180	0.001	0.0007	0.001			
J552566		<10	312	<10	102	0.001	0.0005	<0.001			
J552567		20	47	<10	36	<0.001	<0.0005	<0.001			
J552568		20	4	<10	2	<0.001	0.0006	<0.001			
J552569		20	17	<10	26	0.001	<0.0005	<0.001			

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J552559 TO J552563**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 25-MAR-2011
This copy reported on
22-AUG-2011
Account: MGMAM

CERTIFICATE TB11038811

Project: TBND11-016

P.O. No.:

This report is for 17 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 9-MAR-2011.

The following have access to data associated with this certificate:

MGMAM - CONSULTANT WEBTRIEVE BILL STONE RYAN WESTON	JUSTIN JOHNSON MGMAM DATA SUPPORT	ALLAN MACTAVISH KEITH WATKINS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
PGM-MS23	Pt, Pd, Au 30g FA ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: MAGMA METALS (CANADA) LIMITED
ATTN: MGMAM DATA SUPPORT
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 25-MAR-2011
Account: MGMAM

Project: TBND11-016

CERTIFICATE OF ANALYSIS TB11038811

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
J552570		0.07	1.0	2.61	17	90	<0.5	<2	6.91	<0.5	268	2180	2470	11.85	<10	0.39
J552571		2.60	<0.5	3.35	<5	180	0.7	7	3.31	<0.5	124	2360	717	10.65	<10	0.35
J552572		2.39	<0.5	3.63	<5	140	0.7	3	3.42	<0.5	123	2720	497	10.90	<10	0.37
J552573		2.19	<0.5	4.20	<5	170	0.9	<2	3.33	<0.5	125	2080	85	12.10	10	0.41
J552573 FPD		<0.02	<0.5	4.23	8	170	0.9	2	3.31	<0.5	121	2080	81	11.80	10	0.41
J552574		2.19	<0.5	4.48	<5	190	1.0	<2	3.42	<0.5	126	1500	85	12.50	10	0.47
J552575		1.99	<0.5	4.90	6	210	1.2	<2	3.40	<0.5	117	1270	64	12.35	10	0.53
J552576		2.26	<0.5	4.98	<5	180	1.1	<2	3.13	<0.5	110	1340	77	11.65	10	0.49
J552577		2.46	<0.5	4.86	8	190	1.0	<2	3.29	<0.5	118	1310	80	12.55	10	0.47
J552578		2.32	<0.5	6.34	6	330	1.4	<2	3.90	<0.5	89	589	57	12.70	10	0.62
J552579		2.26	<0.5	7.39	9	270	1.7	<2	4.38	<0.5	72	96	48	12.90	20	0.75
J552580		0.06	<0.5	6.64	<5	960	1.0	4	1.48	<0.5	2	19	2	1.48	10	2.20
J552581		2.13	<0.5	7.81	<5	430	1.8	<2	4.11	<0.5	45	18	36	9.20	10	1.29
J552582		1.92	<0.5	7.95	8	480	1.9	<2	3.70	<0.5	42	16	41	9.06	10	1.25
J552583		4.29	<0.5	7.51	<5	720	2.0	<2	1.66	<0.5	23	103	43	5.05	20	1.83
J552583 CRD		<0.02	<0.5	7.64	5	670	1.9	<2	1.74	<0.5	24	102	42	5.29	20	1.79
J552584		4.47	<0.5	7.78	<5	700	1.4	3	1.78	<0.5	19	123	44	4.29	10	2.06

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J552570 TO J552573FPD**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

Finalized Date: 25-MAR-2011
Account: MGMAM

Project: TBND11-016

CERTIFICATE OF ANALYSIS TB11038811

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
J552570		10	9.97	1500	<1	0.33	5130	170	12	4.36	11	13	85	<20	0.20	<10
J552571		30	14.40	1400	<1	0.74	1285	680	10	0.48	<5	15	348	<20	0.83	<10
J552572		30	13.75	1400	<1	0.84	1115	810	6	0.63	<5	15	403	<20	0.89	<10
J552573		30	12.40	1515	<1	1.03	751	990	6	0.65	<5	14	488	<20	1.06	<10
J552573 FPD		30	12.10	1490	<1	1.03	737	970	6	0.61	<5	14	489	<20	1.05	<10
J552574		40	12.15	1550	<1	1.09	686	1030	4	0.60	<5	14	518	<20	1.19	<10
J552575		40	10.40	1480	<1	1.22	568	1180	2	0.47	<5	14	544	<20	1.34	<10
J552576		40	10.60	1510	<1	1.09	585	1150	4	0.95	<5	14	507	<20	1.26	<10
J552577		40	10.85	1515	<1	1.03	594	1090	6	0.99	<5	14	520	<20	1.33	<10
J552578		40	6.47	1575	<1	1.62	276	1490	4	0.86	<5	15	683	<20	1.95	<10
J552579		50	3.42	1335	<1	2.62	74	1710	8	1.13	<5	15	904	<20	2.34	<10
J552580		20	0.25	431	<1	2.81	3	200	10	<0.01	<5	6	185	<20	0.14	<10
J552581		60	3.22	949	<1	3.05	24	1860	2	0.94	<5	15	883	<20	1.72	10
J552582		60	3.07	1115	<1	3.20	21	1900	5	1.18	<5	16	717	<20	1.77	<10
J552583		40	2.08	632	<1	2.76	50	880	15	1.11	<5	13	372	<20	0.60	<10
J552583 CRD		40	2.14	649	<1	2.83	50	960	15	1.18	<5	13	369	<20	0.65	<10
J552584		40	1.77	656	<1	2.57	62	720	15	0.30	<5	13	391	<20	0.36	<10

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J552570 TO J552573FPD**

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: MAGMA METALS (CANADA) LIMITED
P.O. BOX 10628
THUNDER BAY ON P7B 6V1

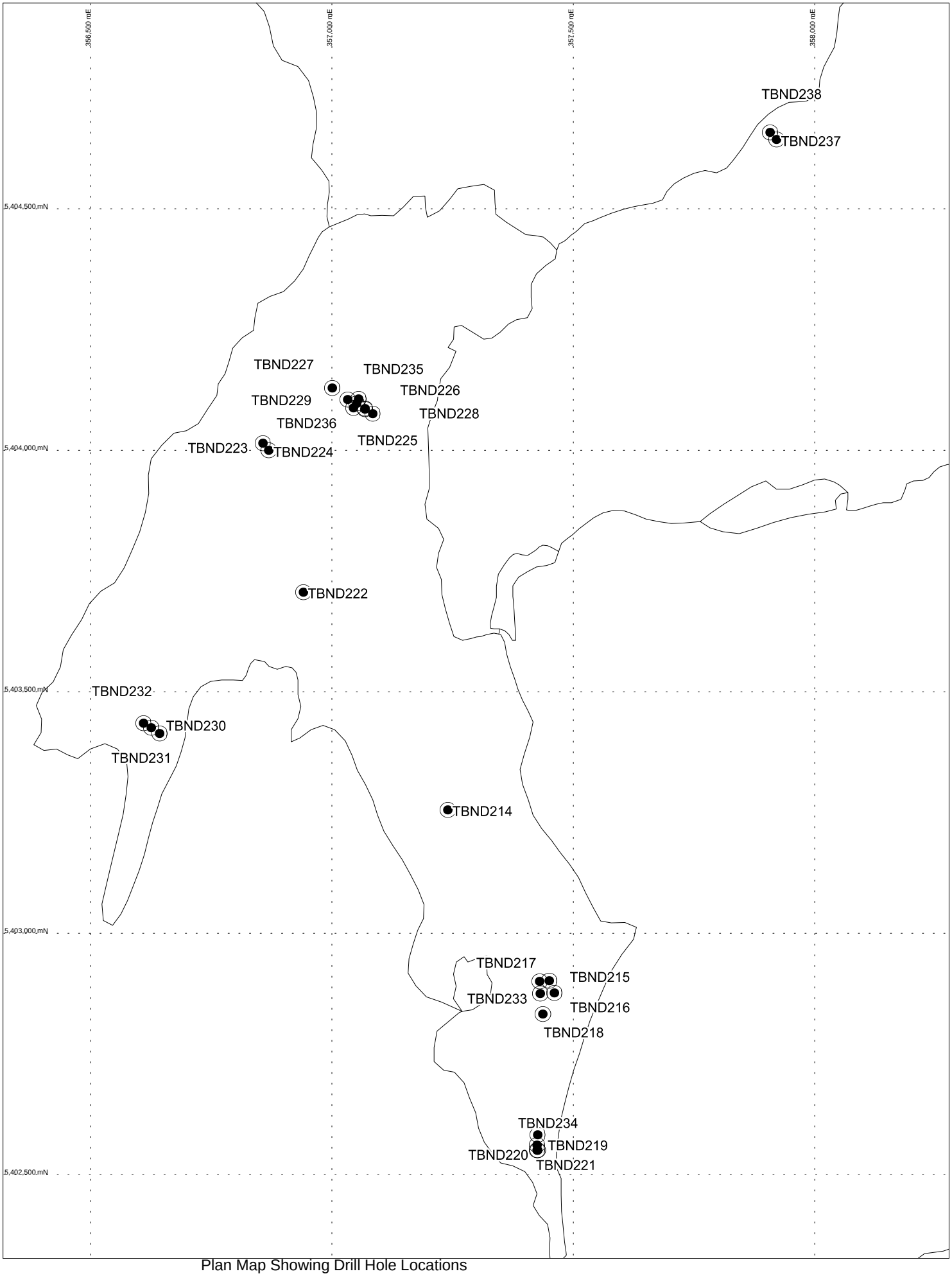
Finalized Date: 25-MAR-2011
Account: MGMAM

Project: TBND11-016

CERTIFICATE OF ANALYSIS TB11038811

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS23	PGM-MS23	PGM-MS23	PGM-ICP27	PGM-ICP27	PGM-ICP27
	Analyte	U	V	W	Zn	Au	Pt	Pd	Au	Pt	Pd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	1	10	2	0.001	0.0005	0.001	0.03	0.03	0.03
J552570		<10	84	<10	114	0.063	0.334	0.888	0.10	0.42	0.92
J552571		<10	174	<10	114	0.020	0.238	0.224			
J552572		<10	190	<10	118	0.008	0.1120	0.103			
J552573		<10	227	<10	134	0.004	0.0100	0.011			
J552573 FPD		<10	224	<10	132	0.003	0.0100	0.009			
J552574		<10	228	<10	139	0.001	0.0081	0.010			
J552575		<10	254	<10	141	<0.001	0.0047	0.005			
J552576		<10	228	<10	137	0.001	0.0093	0.009			
J552577		<10	265	<10	142	0.001	0.0061	0.006			
J552578		<10	368	<10	174	<0.001	0.0015	0.001			
J552579		<10	438	<10	129	<0.001	0.0006	<0.001			
J552580		10	18	<10	30	<0.001	<0.0005	<0.001			
J552581		<10	256	<10	103	<0.001	0.0006	0.001			
J552582		<10	244	<10	106	<0.001	0.0005	<0.001			
J552583		10	123	<10	89	<0.001	0.0014	0.001			
J552583 CRD		10	130	<10	88	<0.001	0.0014	0.001			
J552584		10	105	<10	89	0.001	0.0018	0.002			

Comments: **CORRECTED COPY FOR PGM-MS23 ON SAMPLES J552570 TO J552573FPD**



Plan Map Showing Drill Hole Locations

5402550mN

5402600mN

500m

450m

400m

350m

TBND221

PtPPM PdPPM CupprmNiPPM

Ovg
Fg
SSS
Fg
SSS
Fg
SSS
Fg
SSS
Mg
Mg
Mg
Mg
SSS

-2
50

-2
100

105m
TBND221

TBND219

PtPPM PdPPM CupprmNiPPM

Ovg
Fg
Hr
Zib
Upd
Fgx
Mg
Fg
Hg

+1
50

+2
100

120m
TBND219

TBND220

PtPPM PdPPM CupprmNiPPM

Ovg
Fg
Zfm
Zib
Hr
Mg
Upd
Fg

-1
50

99m
TBND220

TBND234

PtPPM PdPPM CupprmNiPPM

Ovm
Fgr
Zib
Fgr
Fgx
Hg
Hr
Upd
Fgx
Fgr

-0
50

-0
100

123m
TBND234

0.00	0.00	60	59								
0.00	0.00	15	8								
0.00	0.00	17	12								
0.00	0.00	12	70								
0.00	0.00	34	72								
0.00	0.00	32	55								
0.00	0.00	21	24								
0.00	0.00	9	15								
0.00	0.00	65	75								
0.02	0.01	238	118								
0.04	0.04	186	216								
0.19	0.19	401	1015								
0.22	0.22	613	1310								
0.21	0.21	630	1330								
0.29	0.29	878	1395								
0.14	0.14	623	1155								
0.14	0.13	492	1160								
0.05	0.04	255	872								
0.00	0.00	23	51								
0.00	0.00	53	67								
0.00	0.00	30	15								
0.00	0.00	13	5								
0.00	0.00	76	71								
0.00	0.00	218	96								
0.02	0.01	317	143								
0.02	0.02	188	151								
0.22	0.20	363	814								
0.09	0.08	243	1155								
0.12	0.11	318	1260								
0.17	0.16	460	1270								
0.21	0.18	570	1285								
0.28	0.24	710	1275								
0.15	0.13	510	1000								
0.01	0.01	91	292								
0.00	0.00	6	18								
0.00	0.00	4	3								
0.00	0.00	3	1								
0.02	0.00	521	145								
0.02	0.01	256	152								
0.18	0.17	337	968								
0.07	0.07	188	1255								
0.08	0.07	217	1285								
0.09	0.08	269	1270								
0.07	0.06	252	1250								
0.09	0.08	278	1190								
0.07	0.06	247	1015								
0.01	0.01	108	624								
0.00	0.00	1	7								
0.00	0.00	1	2								

Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale
1 : 250

Plot Date
30-Mar-2011

Sheet
1 of 1

Plot File: CL_E357425@2565

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
CL_E357425@2565
Looking West
Grid: NAD83 Zone16

MAGMA METALS LTD.

500m 357400mE 357450mE 357500mE 500m

450m 450m

400m 400m

350m 350m

300m 300m

TBND218

	PtPPM	PdPPM	CuppmNiPPM	
Ovm				
	0.02	0.01	189	125
	0.02	0.01	145	159
	0.08	0.08	276	524
	0.28	0.27	775	805
	0.16	0.15	468	784
	0.45	0.45	1170	979
	0.44	0.42	1040	1070
	0.76	0.75	1805	1370
Mgm	0.49	0.47	1310	949
	0.61	0.61	1710	1160
	0.60	0.58	1395	988
	0.58	0.57	1595	1110
	1.30	1.32	3460	1685
	1.57	1.56	3830	1800
	1.89	1.76	4100	1440
	1.09	0.98	2110	1035
	0.17	0.16	351	805
	0.49	0.44	870	954
	0.15	0.14	380	890
	0.11	0.09	257	858
	0.11	0.09	247	775
-0	0.84	0.78	1850	1355
50	0.64	0.59	1430	387
Zib	0.01	0.01	37	15
	0.05	0.08	58	27
	0.00	0.01	39	8
	0.00	0.01	3	4
Fgd				
	0.00	0.00	1	1
Hg	0.00	0.00	67	166
	0.01	0.01	61	631
Mgm	0.00	0.00	53	375
Hg	0.00	0.00	44	86
	0.00	0.00	27	15
	0.00	0.00	1	1
-0				
100				
Fgd				
Fgd				
Fgd				

141m
TBND218

Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale
1 : 250

Plot Date
29-Mar-2011

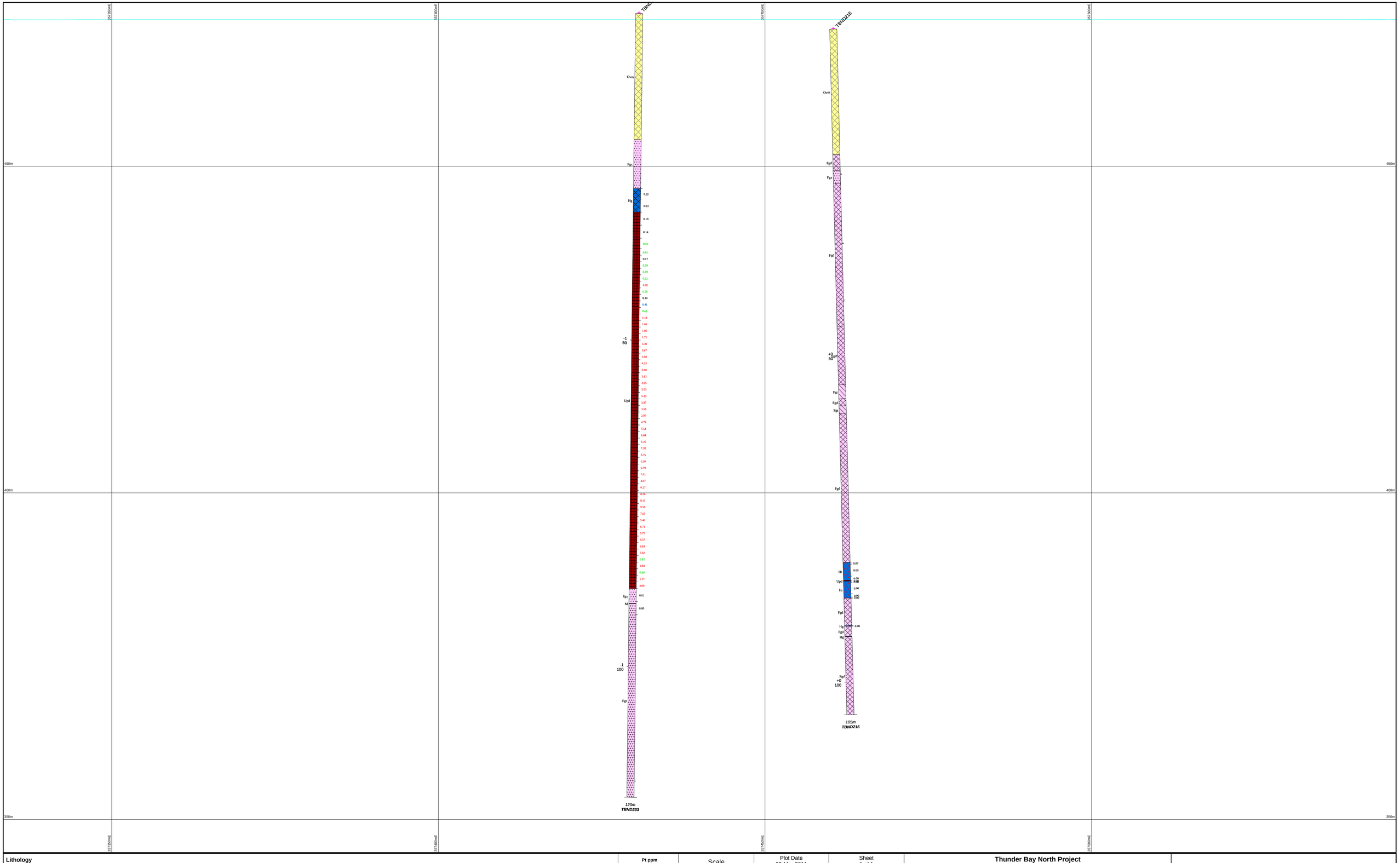
Sheet
1 of 1

Plot File: CL_N5402832

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
CL_N5402832
Looking North
Grid: NAD83 Zone16

MAGMA METALS LTD.



Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt ppm

- 0.0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.95
- 0.95 - 50

Scale
1 : 250

Plot Date
29-Mar-2011

Sheet
1 of 1

Plot File: CL_N5402875_Pt

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
CL_N5402875_Pt
Looking North
Grid: NAD83 Zone16

MAGMA METALS LTD.

Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd	Cu-Ni
0.0 - 0.2	< 500
0.2 - 0.5	500 - 2000
0.5 - 1.0	2000 to 5000
1.0 - 2	>= 5000
2 - 100	

Scale 1 : 250

Plot Date 29-Mar-2011

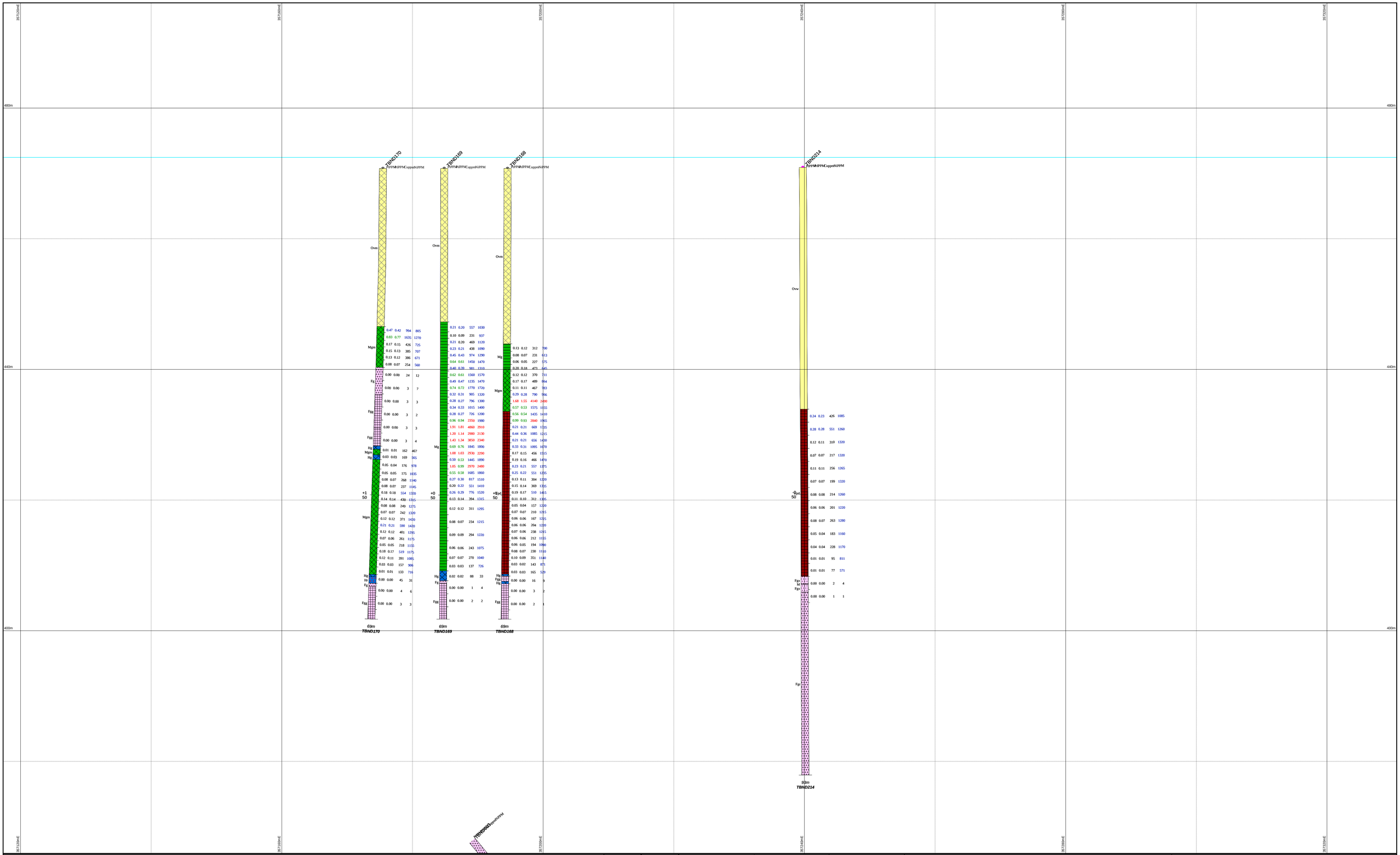
Sheet 1 of 1

Plot File: CL_N5402900

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
CL_N5402900
Looking North
Grid: NAD83 Zone16

MAGMA METALS LTD.



Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

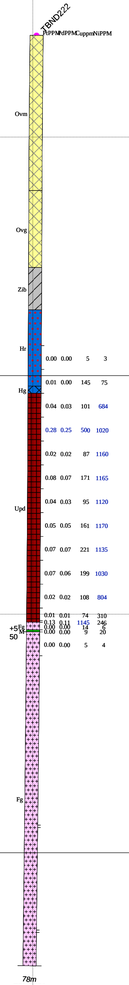
Scale	Plot Date	Sheet
1 : 250	29-Mar-2011	1 of 1
	Plot File: CL_N5403255	

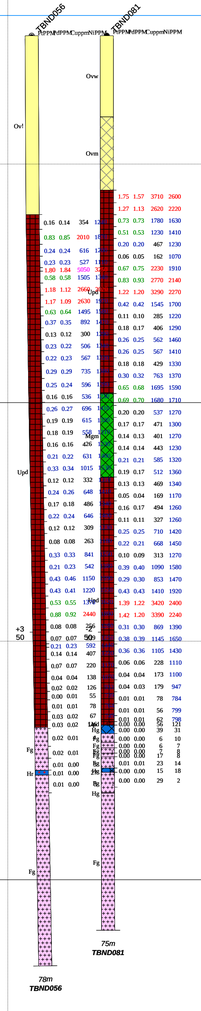
5 0 5 10m

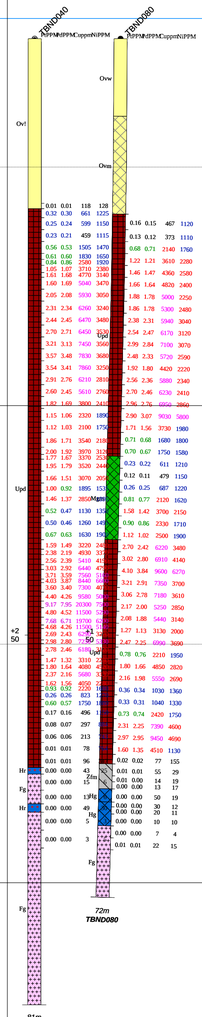
Thunder Bay North Project
Current Lake Prospect
CL_N5403255
Looking North
Grid: NAD83 Zone16

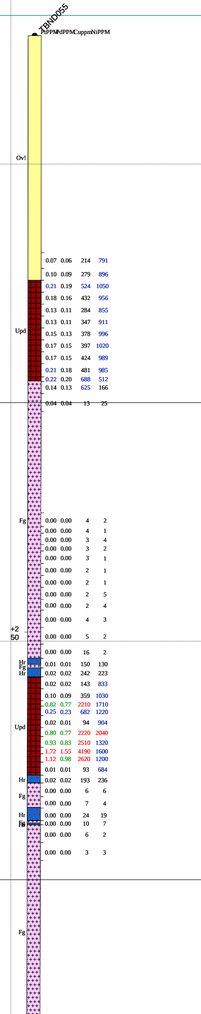
MAGMA METALS LTD.

359680mE
359920mE
359960mE
357000mE
357040mE
357080mE
480m
440m
400m









Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale
1 : 250

Plot Date
29-Mar-2011

Sheet
1 of 1

Plot File: CL_N5403700

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
CL_N5403700
Looking North
Grid: NAD83 Zone16

MAGMA METALS LTD.

5403450mN
356600mE
356650mE
5403400mN
356700mE

450m
400m

TBND232
PPMNiPPMCuppmNiPPM
Ovrn
0.00 0.00 20 13
99m
TBND232

TBND230
PPMNiPPMCuppmNiPPM
0.01 0.01 151 84
0.03 0.07 473 15
0.02 0.01 116 153
Ovrn
Fgr
Fgr
Mfc
Fgr
0.00 0.00 11 20
99m
TBND230

TBND231
PPMNiPPMCuppmNiPPM
Ovrn
Fgr
Mfc
Fgr
0.00 0.00 7 14
99m
TBND231

Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale
1 : 250

Plot Date
06-May-2011

Sheet
1 of 1

Plot File: E356625-N5403424@32

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
E356625-N5403424@32
Transform (Looking 32 Degree)
Grid: NAD83 Zone16

MAGMA METALS LTD.

5404050mN

356850mE

5404000mN

450m

400m

350m

300m

TBND070

PtPPM PdPPM CuppmNiPPM

TBND070A

PtPPM PdPPM CuppmNiPPM

TBND223

PtPPM PdPPM CuppmNiPPM

TBND224

PtPPM PdPPM CuppmNiPPM

Ovw

Ovm

Ovg

Fg

Ss

M

0.00 0.00 11 19

0.00 0.00 23 15

+0 50

+2 50

-1 50

+0 100

+1 150

36m
TBND070A

90m
TBND223

90m
TBND224

180m
TBND070

Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale
1 : 250

Plot Date
30-Mar-2011

Sheet
1 of 1

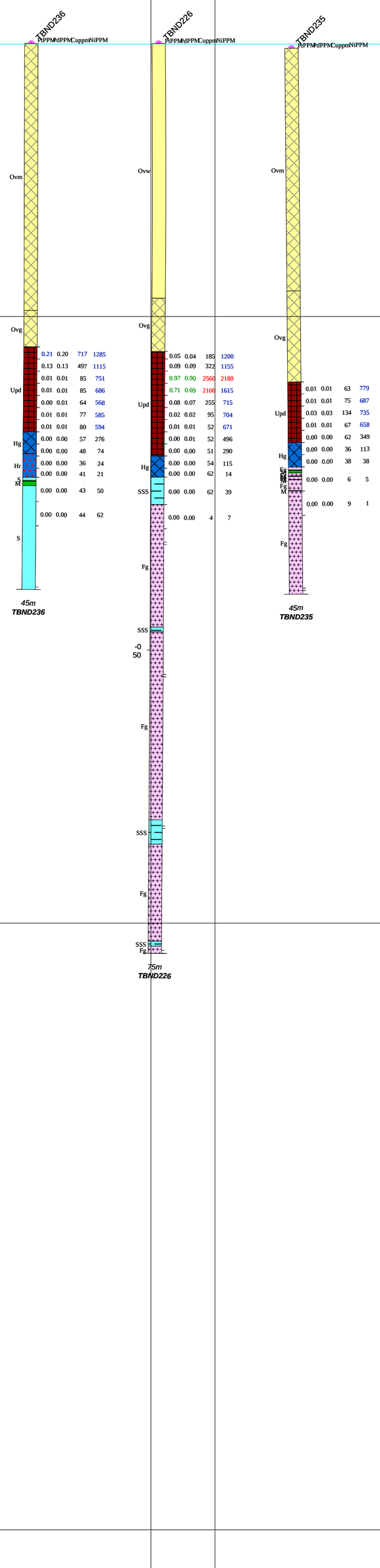
Plot File: E356856-N5404013@43

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
E356856-N5404013@43
Transform
Grid: NAD83 Zone16

MAGMA METALS LTD.

5404050mN
357050mE
5404100mN
5404150mN
500m
450m
400m
350m



Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale
1 : 250

Plot Date
12-Apr-2011

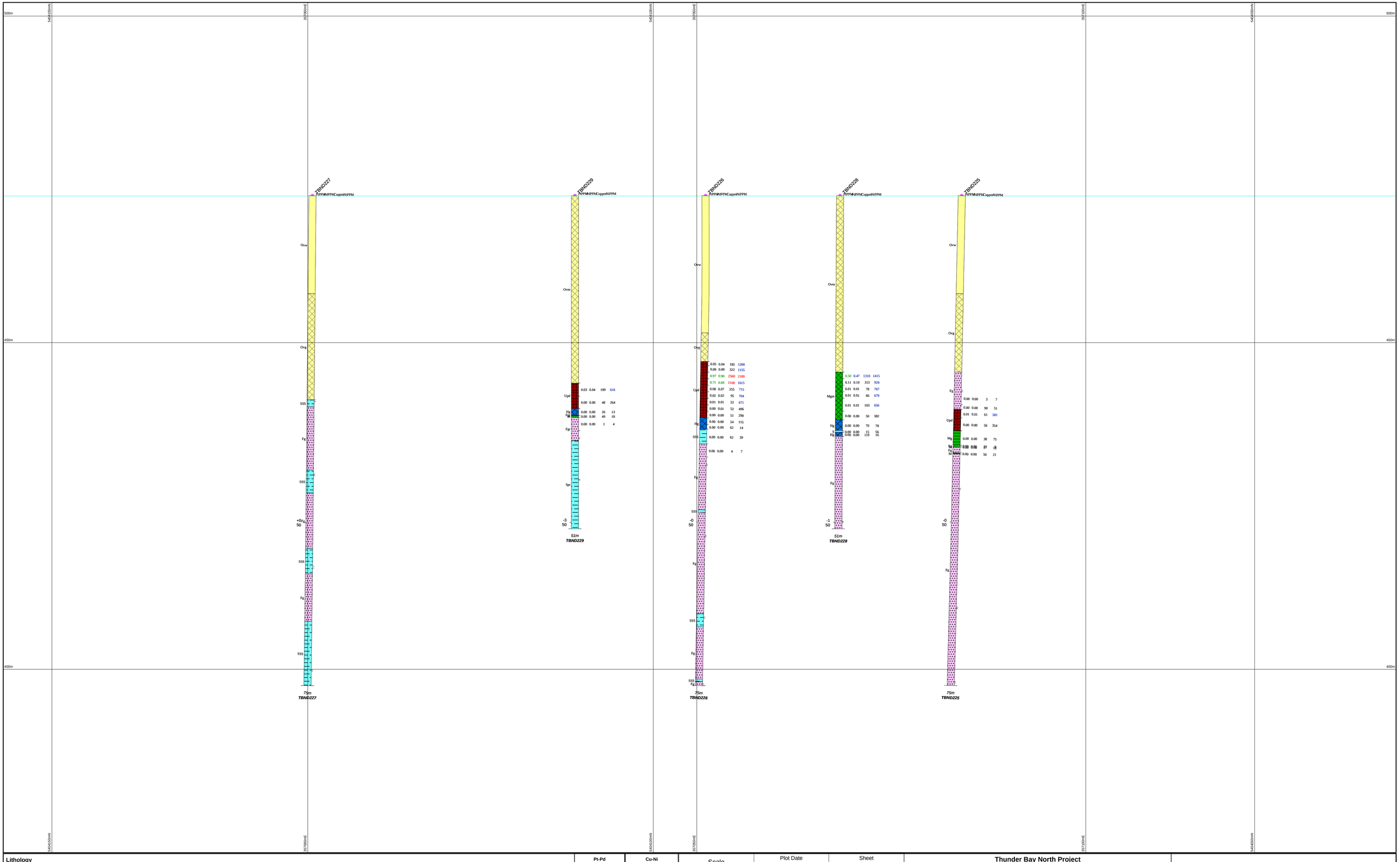
Sheet
1 of 1

Plot File: E357051-N5404095@300

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
E357051-N5404095@300
Transform
Grid: NAD83 Zone16

MAGMA METALS LTD.



Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale	Plot Date	Sheet
1 : 250	30-Mar-2011	1 of 1
	Plot File: E357051-N5404095@33	

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
E357051-N5404095@33
Transform
Grid: NAD83 Zone16

MAGMA METALS LTD.

500m
357900mE
5404650mN
5404600mN
357950mE
450m
400m
350m
300m

TBND238
PtPPM PdPPM CuppmNiPPM
Ovm
Hg 0.00 0.00 33 20
0.00 0.00 37 14
Fg
Hg 0.00 0.00 15 11
Hg 0.00 0.00 28 13
-1
50
Fg
-2
100
108m
TBND238

TBND237
PtPPM PdPPM CuppmNiPPM
Ovg
Fg
Hg 0.00 0.00 10 15
0.00 0.00 13 21
0.00 0.00 76 23
0.00 0.00 13 21
0.00 0.00 20 13
Fg
S
Fg
Hg 0.00 0.00 17 16
+1
50
Fg
-0
100
-2
150
150m
TBND237

TBND212
PtPPM PdPPM CuppmNiPPM
Ovg
Fgd
0.00 0.00 21 25
0.00 0.00 26 20
Hg 0.00 0.00 13 14
0.00 0.00 12 19
0.00 0.00 22 25
0.00 0.00 36 31
Fgd
-19
50
0.00 0.00 32 28
0.00 0.00 151 36
Hg 0.00 0.00 9 16
Fgd 0.00 0.00 6 13
Hg 0.00 0.00 3 17
0.00 0.00 48 55
0.00 0.00 17 20
Fgd
-19
100
Spt
Fgd
Spt
-19
150
Fgd
167m
TBND212

Lithology

- Overburden
- Overburden glacial/mud
- Sedimentary rocks
- Chert
- Sedimentary gneiss
- Schist
- Siltstone/Sandstone
- Breccia
- Granodiorite
- Alkali feldspar granite
- Monzonite
- Granite
- Tonalite
- Felsic breccia
- Hybrid red
- Hybrid grey
- Intermediate rock, Diorite
- Mafic rock, Gabbro
- Gabbro - Leucocratic
- Gabbro - Melanocratic
- Gabbro - Noritic
- Gabbro - VariTextured
- Troctolite
- Diabase
- Ultramafic Rocks
- Pyroxenite
- Peridotite
- Massive sulphide
- Vein
- Interfingered Ultramafic/Mafic/Felsic
- Mixed Intrusion Breccia
- No core

Pt-Pd

- 0.0 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- 2 - 100

Cu-Ni

- < 500
- 500 - 2000
- 2000 to 5000
- >= 5000

Scale 1 : 250

Plot Date 15-Apr-2011

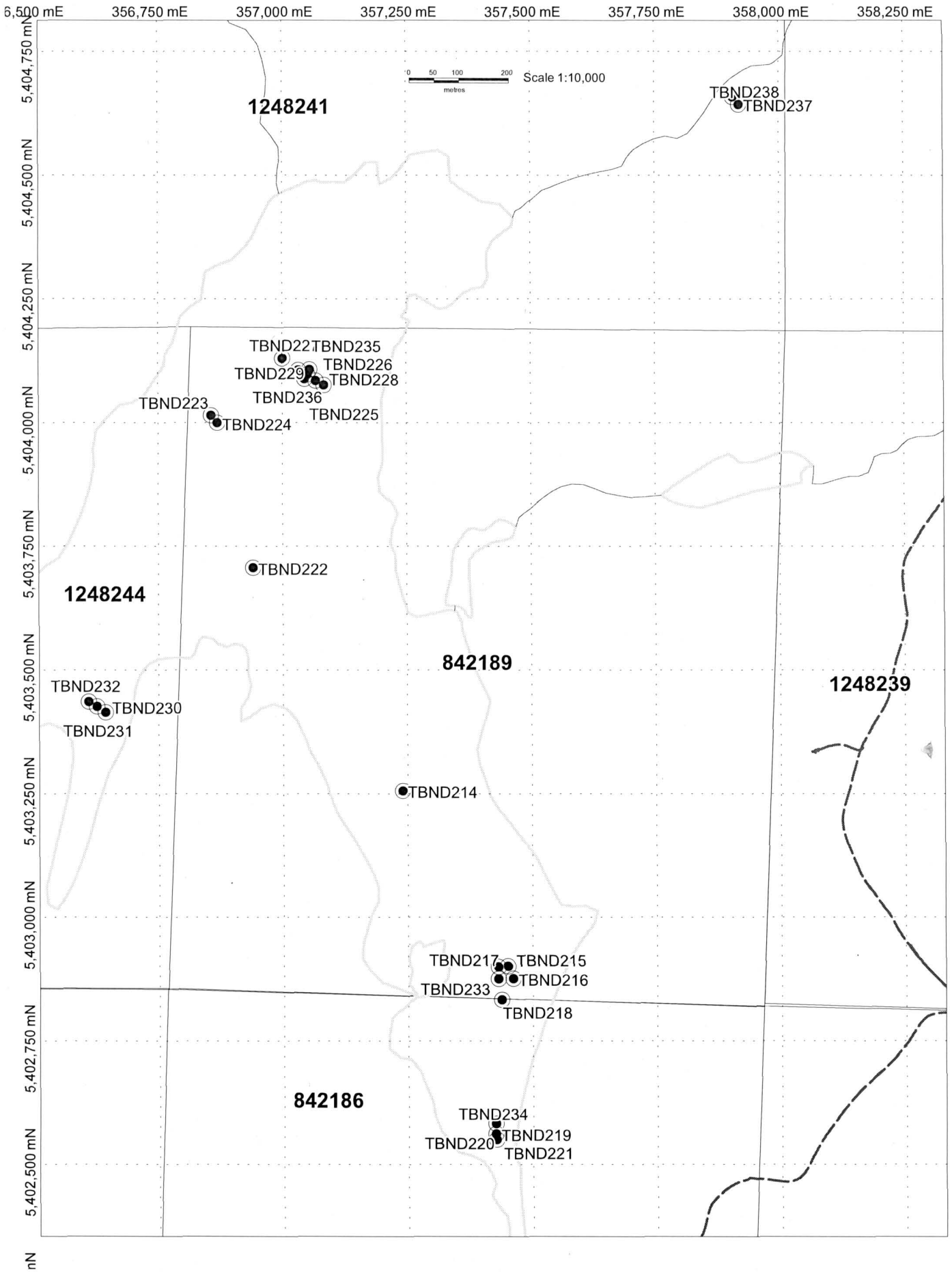
Sheet 1 of 1

Plot File: E357920-5404640@55

5 0 5 10m

Thunder Bay North Project
Current Lake Prospect
E357920-5404640@55
Transform
Grid: NAD83 Zone16

MAGMA METALS LTD.


6,500 mE
356,750 mE
357,000 mE
357,250 mE
357,500 mE
357,750 mE
358,000 mE
358,250 mE
5,404,750 mN
5,404,500 mN
5,404,250 mN
5,404,000 mN
5,403,750 mN
5,403,500 mN
5,403,250 mN
5,403,000 mN
5,402,750 mN
5,402,500 mN
nN
0 50 100 200
metres
Scale 1:10,000
1248241
TBND238
TBND237
TBND22
TBND235
TBND226
TBND229
TBND228
TBND236
TBND223
TBND225
TBND224
TBND222
1248244
842189
1248239
TBND232
TBND230
TBND231
TBND214
TBND217
TBND215
TBND216
TBND233
TBND218
842186
TBND234
TBND219
TBND220
TBND221