Assessment Report

of

Diamond Core Drilling and Geological Work

on the

Geordie Lake Property

Claim #'s: 1184283, 1184297, 1209682, 1237697 and 3015132

NTS 42D/16, Seeley Lake Area,

Thunder Bay Division, Ontario

by

David J. Good, PhD, PGeo

Marathon PGM Corp. (MNDM Client # 401529)

Work conducted: Jan 11, 2010 to Aug 4, 2010

Total Expenditures: $ 393,262.00

For Application of Work Credits to 11 Contiguous Claims:

3015131, 3015132, 3015133, 1184283, 1184297, 1209682, 1209683, 1209684, 1237697, 1237698, 1237699

February 26, 2011

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Introduction

Marathon PGM Corp (MNDM Client # 401529) conducted diamond drilling and geological field mapping during 2010 within the Geordie Lake Cu-PGM Property (Figure 1). Work included diamond core drilling (January 21 to March 2) and geological mapping (July 12 to August 4). The drilling project included upgrades to the road, trail and culverts for winter access and later site rehabilitation in April and May.

The following report will present the geological information and applied expenditures pertaining to the drilling and subsequent geological mapping during 2010.

The 2010 winter drilling included a total of 21 DDH's totalling 2995.5 meters of NQ core All of the holes were drilled within claims 1184283, 1184297 and 1184297. A total of 1116 core samples were selected for analysis. The drilling program was designed to expand the Geordie Lake Cu-PGM deposit and to enable preparation of a 43-101 resource estimate. Field mapping covered approximately 9.5 line kilometres and was designed to define the extent of the Geordie Lake gabbro up to and beyond the shoreline of Coubran Lake.

The Marathon PGM Corporation 2010 Geordie Lake Property diamond core drilling and geological mapping assessment expenditures totalling **$ 393,262** will be applied to and banked under claims 1184283, 1184297, 1209682, 1209683, 1237697 and 3015132. A total of **$ 27,846** of this work will be applied to cover assessment expenditures on contiguous *Marathon PGM Corporation* claims #'s **3015131, 3015132, 3015133, and** *Discovery PGM Exploration Ltd* claims #'s **1209684, 1237697, 1237698, and 1237699** (Figure 2 and Table 1).

Geordie Lake Property Description and Land Tenure

The Geordie Lake property is located in North-western Ontario approximately 205 km east-northeast of Thunder Bay, and 14 km north-northwest of the town of Marathon (Figure 1). The claim group occurs near the southwest corner of the Seeley Lake Area and along the eastern boundary of Grain Township (Claim Maps G-613 and G-628, respectively) of the Thunder Bay Mining Division, within the area covered by the topographic map NTS 42 D/16SW. The property is centred on 48° 49' 20"N and 86° 29' 20"W.

The Geordie Lake property consists of 11 contiguous mining claims totalling 142 claim units (Table 1 and Figure 2). The property covers an area of approximately 2272 ha. All claims are in good standing until at least March 1st, 2011.

Beneficial Interest for claims registered to Marathon PGM Corp and Discovery PGM Explorations Inc

Eight of the eleven claims that make up the Geordie Lake Property are registered under Discovery PGM Exploration Ltd (Table 1). The remaining three claims are registered under of the name of Marathon PGM Corp. Both sets of claims were combined by an unregistered agreement in August of 2008 to form the Geordie Lake Property. The combination of claims to form a single contiguous claim block that covers all of the Geordie Lake Gabbro, the host rock for the Cu-PGM mineralization, is of beneficial interest to both companies. This agreement predates the work described in this report. Note that Discovery PGM Exploration Ltd was acquired by Marathon PGM Corp in May, 2008. Both Marathon PGM Corp and Discovery PGM Exploration Ltd are wholly owned subsidiary companies of Stillwater Canada Inc.

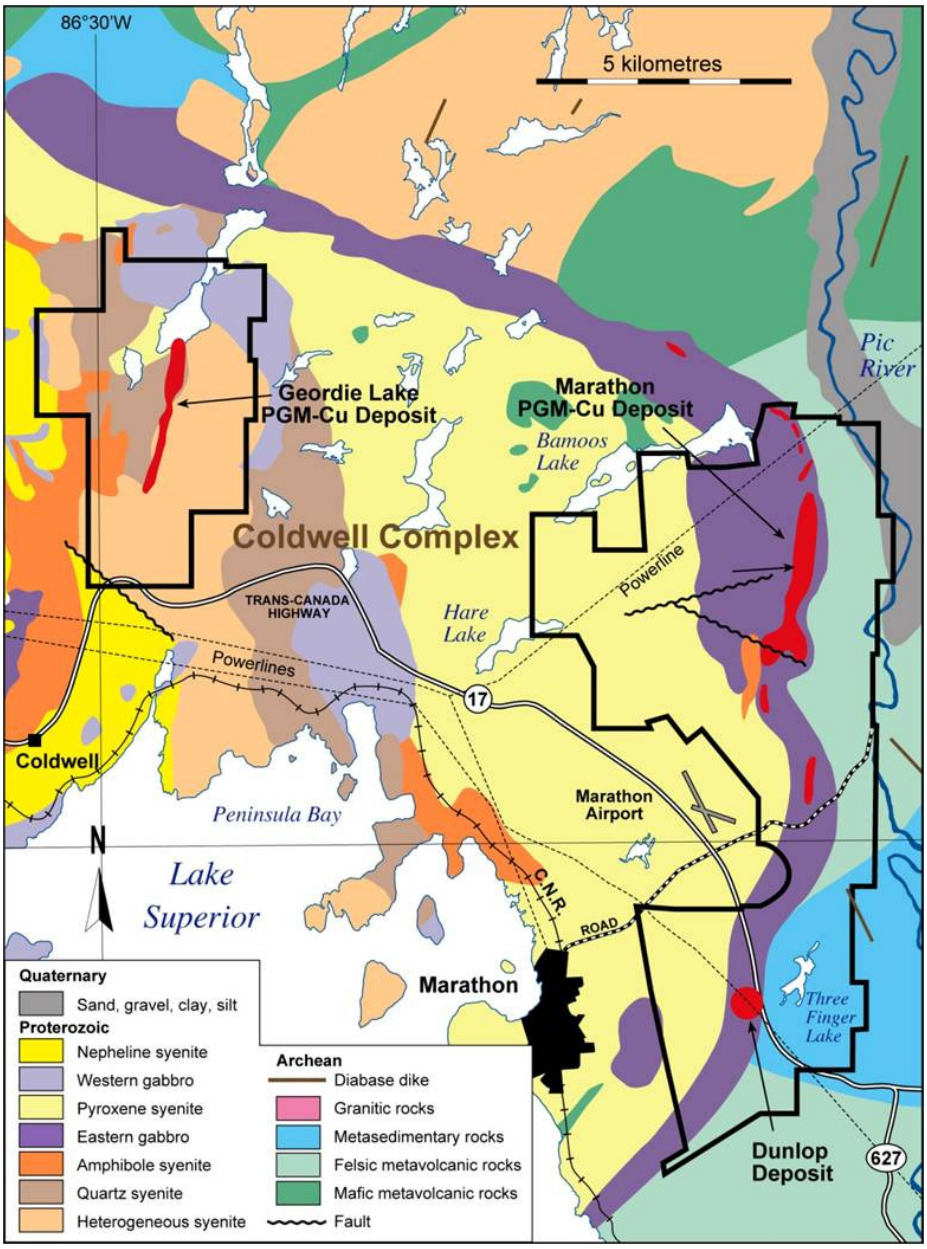


Figure 1: Location of the Geordie Lake Cu-PGM Property with respect to the Marathon Cu-PGM deposit within the Coldwell Complex.

Table 1: List of Marathon PGM Corp and Discovery PGM Exploration Claims that were combined by beneficial agreement to form the Geordie Lake Property.

Claim*	Holder	Ha.	Units	Recorded	Expire / Assess. Date	Work Required	Total Reserve
3015131	Marathon PGM	240	15	01-Mar-07	01-Mar-11	$6,000	$3,751
3015132	Marathon PGM	256	16	01-Mar-07	01-Mar-11	$6,400	$6,890
3015133	Marathon PGM	256	16	01-Mar-07	01-Mar-11	$6,400	$913
1184283	Discovery PGM	96	6	31-Jul-95	31-Jul-12	$2,059	$335,118
1184297	Discovery PGM	64	4	14-Jun-95	14-Jun-12	$1,600	$51,051
1209682	Discovery PGM	192	12	21-Aug-95	21-Aug-12	$2,059	$41,005
1209683	Discovery PGM	192	12	21-Aug-95	21-Aug-11	$2,059	$28,472
1209684	Discovery PGM	240	15	21-Aug-95	21-Aug-12	$2,060	
1237697	Discovery PGM	256	16	06-Aug-99	06-Aug-12	$6,400	
1237698	Discovery PGM	240	15	06-Aug-99	06-Aug-11	$6,000	
1237699	Discovery PGM	240	15	16-Aug-99	16-Aug-12	$6,000	
		2272	**142**			**$47,037**	**$455,646**

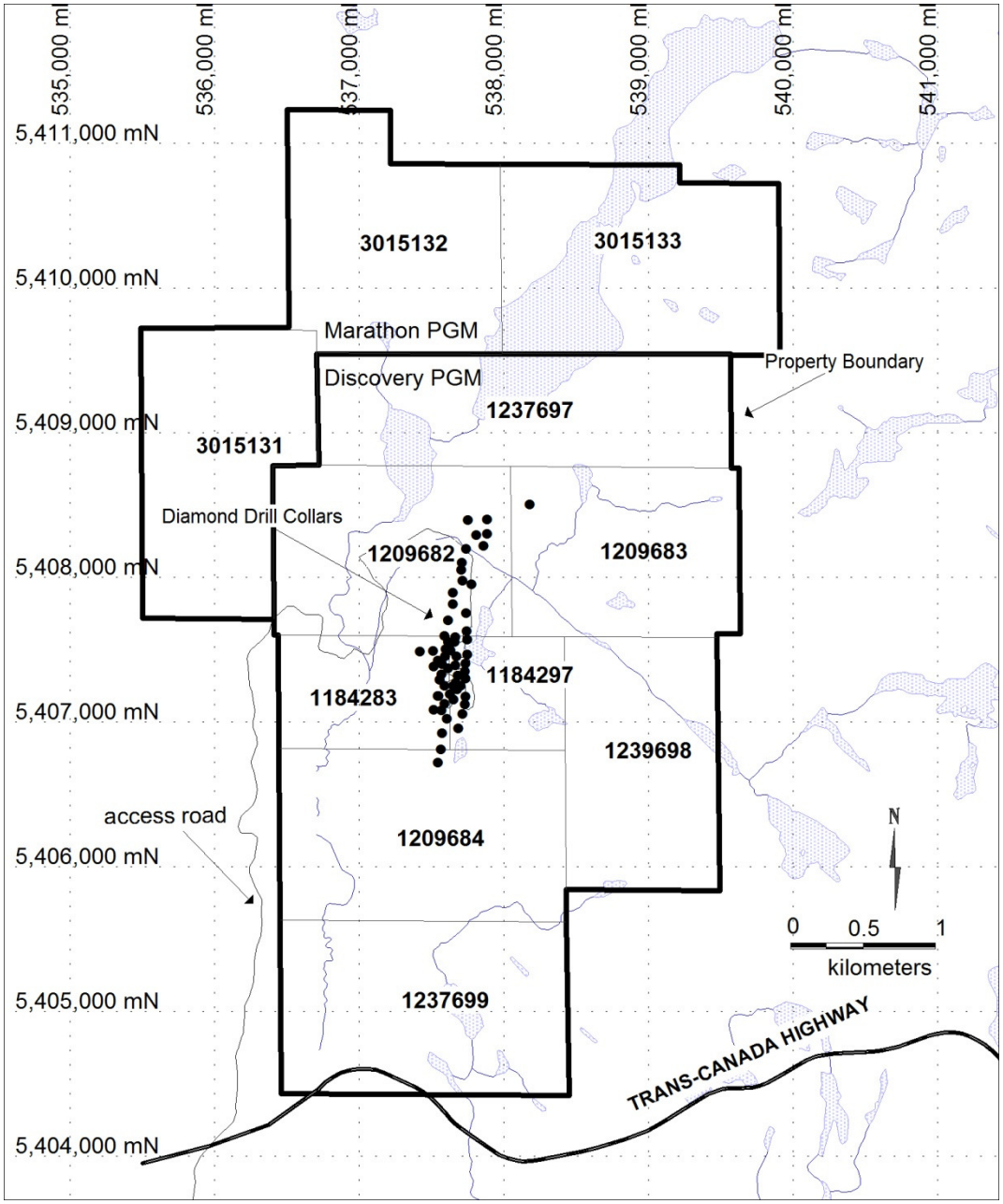


Figure 2: Location Map of the Geordie Lake Property showing the contiguous nature of the 11 claims, proximity to Highway 17 (Trans Canada Highway) and the location of historic and recent diamond drill holes.

Accessibility, Climate, Physiography and Infrastructure

The Geordie Lake property can be accessed by a series of old logging roads, ATV trails and foot paths that extend for a distance of approximately 9 km north (3.5 km straight line distance) from the Trans-Canada Highway 17, one km east of the Coldwell turnoff. The property is also accessible by a ten-minute helicopter ride from the Marathon Municipal Airport (CYSP).

The relief of the property is very rugged, heavily timbered, and characterized by deep, narrow, north and east trending ravines, steep ridges and hills. Elevations range from less than 260 m to greater than 500 m.

Bedrock exposure is estimated at 60 to 70%, most of which is masked by a thick layer of moss and lichen. The thin soil cover supports a thick undergrowth and mature stands of white birch, jack pine, white spruce, black spruce and balsam fir.

The climate is cold temperate with a moderate maritime influence due to the proximity of Lake Superior, located about 5 km south of the property. Summers are moderate to hot with temperatures ranging from 9° to 25° C. Winters are long, with 1.5 to 3 m of snow cover and average temperatures of -9° to -21° C. The first snowfall usually occurs in mid-October with permanent winter snow accumulating in late November. Snow cover usually persists into April and lake ice into early to mid-May. 2010 had an unusually early spring melt with most of the snow gone by the end of March.

The population of the town of Marathon is approximately 4,000. The town's economy has been based on a pulp mill and gold mining. The pulp mill closed indefinitely as of 2009. Marathon is attached to the Ontario power grid and has access to Canadian Pacific rail lines and a deepwater dock on Lake Superior. The town also has a small regional airport.

Exploration History

Exploration at the Geordie Lake deposit is summarized in Table 2.

Table 2: Summary of exploration at the Geordie Lake deposit from 1963 to 2008 when Discovery PGM Exploration Ltd was acquired by Marathon PGM Corp.

1963-1964	Ameranium Mines Ltd. staked 30 contiguous claims, centered on Latvian Lake and completed an exploration program consisting of line-cutting, geologic mapping, ground magnetometry and HLEM surveys and at least one shallow trench
1985-1986	Prospectors Melvin Joa, Gil MacRae, Randy Bush and Jim Higgins of Marathon, Ontario staked a claim group centered on the present identified mineralized zone. Prospecting rediscovered the Ameranium showing (later called the MacRae), Joa and Mathias showings. The property was optioned in late 1986 by St. Joe Canada Inc.
1987-1988	St. Joe Canada completed an exploration program on the Geordie Lake Property. Their initial program consisted of line-cutting ground magnetometer and limited induced polarization surveys, geological mapping (1:5000 scale), sampling, outcrop stripping and detailed mapping and channel sampling. The detailed mapping and sampling was completed on the Mathias and Island showings and a 10 metre spaced panel sampling along the eastern contact of the Geordie Lake Intrusion. In October 1987 a joint venture agreement with Giant Bay Resources Ltd. funded a helicopter-assisted diamond drill program. Eight diamond drill holes were completed, totalling 773 metres, to test the eastern contact zone of the Geordie Lake Intrusion and a coincident IP high chargeability/low resistivity anomaly over a 1 km strike length to a vertical depth of 115 metres. Giant Bay terminated the Joint Venture agreement during the fourth quarter of 1988. A large loop UTEM survey was completed during June 1988
1993	Ontario Geological Survey published the PhD thesis by D Good which examined the petrology and geochemistry of the Geordie Lake Deposit.
1995-1996	Melvin Joa, Brian Fowler and Michael Shurman of Marathon, Ontario staked a six claim block, totalling 64 units over the Geordie Lake Property. A program consisting of line-cutting, a beep mat survey and 6 surface trenches was completed by the owners. Three of the trenches were completed over the surface trace of St. Joe drill holes.
1997	Totem Sciences Inc. optioned the Geordie Lake Property in 1996 and by March 1997 had completed line-cutting and a pole-dipole IP survey of 9 line km. over the Eastern Contact zone and sub-parallel zones to the west.
1998-2000	Gryphon Metals Corporation optioned the property from Joa, Fowler and Shuman. During the period 1989 to June 1999 a total of 26.21 km of grid lines were cut and a VLF survey and proton magnetometer survey were completed by Gryphon. In June 1999, Discovery PGM Exploration Ltd. entered into an option agreement with Gryphon. During 1999, L.E.H. Ventures Ltd.(Discovery) re-established a grid over the known mineralized layers and completed ground

	magnetic and V.L.F. electromagnetic surveys. Approximately 80% of the drill core, from the 1987 drilling by St. Joe, was assayed for palladium, copper, platinum, gold, silver, nickel and cobalt. In 1999, 2000 and 2001, soil sample surveys were conducted on several areas and returned some anomalous results.
2000-2002	L.E.H. completed a three phase drill program consisting of 23 diamond drill holes (G-00-01 to G-00-09 in 2000) and (G-01-01 to G-01-14 in 2001) totalling 3,928 metres. Phase 1 consisted of two diamond drill holes G-00-01 and 02 to test the mineralized layers identified in St. Joe holes G87-5 and G87-6 respectively for a total of 461 m. Phase 2 consisted of 7 diamond drill holes along strike both north and south of G-00-1. Holes G-00-3 to G-00-9 were drilled between July and November 2000 and totalled 1,214 m. Phase 3 drilling began with the deepening of Hole G-00-09 a further 31 m in February 2001. Throughout 2001 the program continued with in-fill holes to establish continuity of both geology and grade. For most of this drilling the bottom of each hole was within the underlying syenite. The average depth of a hole was 168 m. 2252 m of core was drilled in 2001. During 2002, L.E.H. completed four additional drill holes totalling 673 m. The last two holes contained mineralized layers and the contact zone.
2006	L.E.H. continued the drill program with the intent to determine if the well mineralized layers continued at depth. Three holes were drilled and each of them intersected well mineralized material but did not encounter any syenite at the anticipated depth.
2008	Two drill holes totalling 106 m were drilled by L.E.H. Consulting at the north end of the deposit.

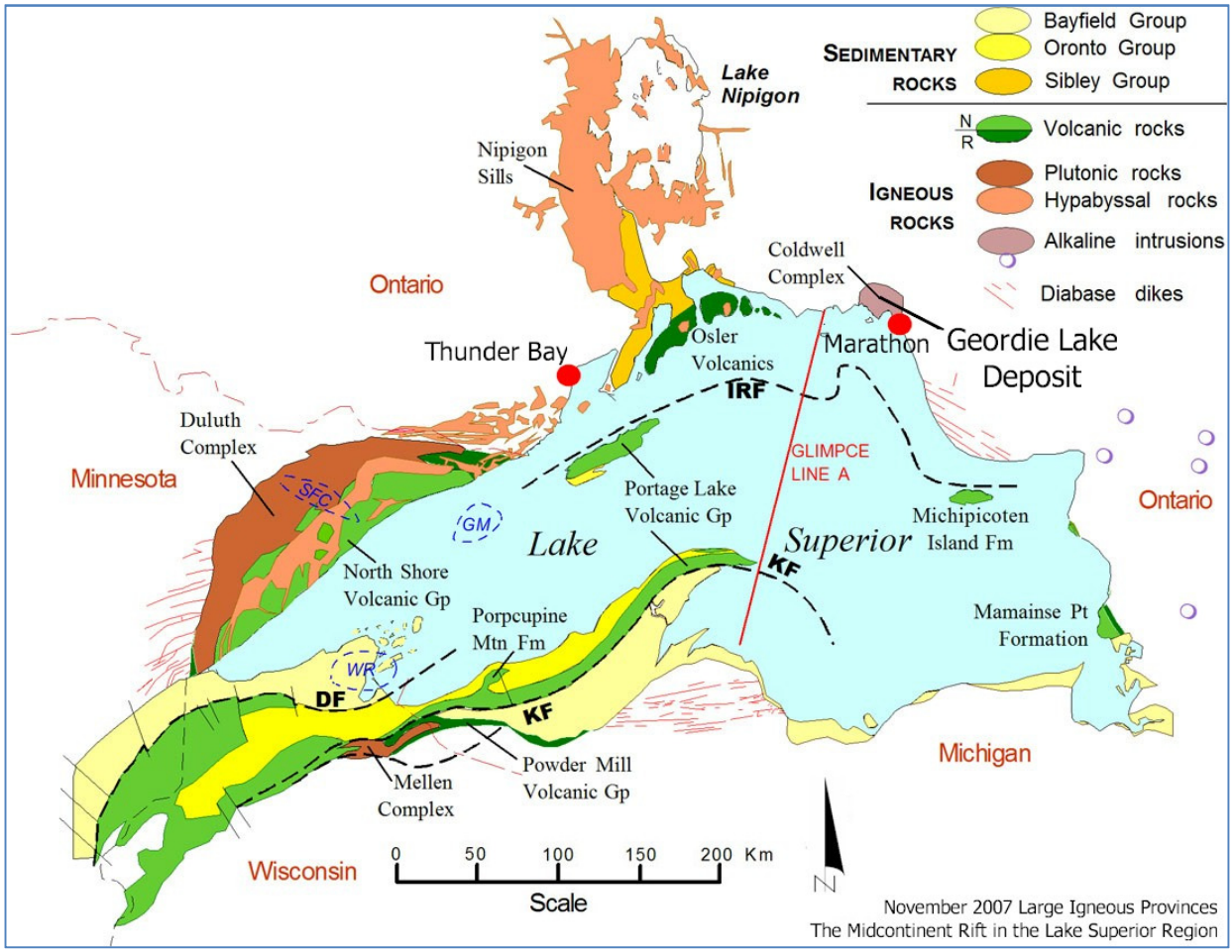
Geological Setting

Regional Geology

The Coldwell Complex was emplaced as three nested intrusive centres (Centres I, II and III) (Mitchell and Platt, 1982) that were active during cauldron subsidence near where the northern end of the Thiel Fault intersected Archean rocks, on the north shore of Lake Superior (Figure 3). The sub-circular complex has a diameter of 25 km and a surface area of 580 km^2 and is the largest alkaline intrusive complex in North America (Walker et al. 1993). It is considered to be related to other intrusive complexes associated with the Mid Continental rift system such as the Duluth Complex, Logan sills, and Crystal Lake Gabbro which were emplaced at around 1,108 Ma (Heaman and Machado, 1992).

The Geordie Lake Cu-PGM deposit is located in gabbro similar to that which hosts the Marathon PGM-Cu deposit but is located near the centre of the Complex and is presumably related to the Western Gabbro (Figure 4). The Marathon PGM-Cu deposit is hosted by the Two Duck Lake Gabbro, a late phase of multiple gabbroic intrusive events that form the Eastern Gabbro of the Coldwell Complex.

Figure 3: Geology of the Lake Superior area showing relationships of the Mid Continent Rift related magmatism. *Major reverse faults: KF-Keweenaw Fault, IRF-Isle Royale Fault, DF-Douglas Fault. Buried crustal blocks: GM – Grand Marais block, WR –White's Ridge, and SFC – Schroeder-Forest Center ridge.*



Property Geology

The Geordie Lake Gabbro is a layered intrusion that strikes near north and dips approximately 45 degrees west. The intrusion extends for a minimum of 4 km along strike and ranges in thickness from 50 to 600 meters (Figure 4). The extent of the northern limit is unknown. Mineralization occurs at the base of the intrusion where it is in contact with syenite (Figure 4). A similar parallel unit of GL gabbro occurs along the north east edge south of Coubran Lake.

Geology of the Geordie Lake Layered Intrusion

The Geordie Lake gabbro is a layered intrusion with 6 main rock types that include, in order from top to bottom: an upper gabbro that exhibits well defined plagioclase foliation (unit 2a), homogeneous gabbro (unit 2b), medium grained augite troctolite (unit 2c), heterogeneous augite troctolite to gabbro (units 3a and 3b), and basal fine grained gabbro (unit 3c). The upper unit is between 2 to 155 meters thick and is the thickest unit of the intrusion.

Unit 2a: Coarse grained gabbro with plagioclase foliation)

The uppermost gabbro unit is distinguished by plagioclase foliation with laths aligned parallel to igneous layering which dips west at 30 to 45 degrees. The gabbro is a medium to coarse grained plagioclase-clinopyroxene-apatite cumulate with interstitial magnetite. Plagioclase laths are subhedral to euhedral, less than 1 cm long and have a ubiquitous 1mm thick rim of albite. Medium grained clinopyroxene varies from subhedral to interstitial and is partially altered to actinolite and biotite. Magnetite occurs as anhedral to subhedral fine grained cubes less than 1.5mm in size. Fine grained apatite needles are found within clinopyroxene, magnetite and actinolite-biotite alteration zones. Olivine is not evident. The overall appearance of the gabbro is bluish-green gray stippled with pink (albite rimming plagioclase).

Minor intervals of Unit 2a gabbro lack plagioclase foliation. The lower contact of Unit 2a with Unit 2b is gradational over 2 to 5 meters and is defined by the loss of plagioclase foliation. Unit 2a is never found in contact with either of the ore horizon lithologies (units 3a and 3b).

Unit 2b: Medium grained homogeneous gabbro

Unit 2b is a medium grained, bluish-green gray to dark green gray gabbro. Medium grained plagioclase laths are partly rimmed by albite. Clinopyroxene is medium grained, subhedral to interstitial and partly altered to actinolite and biotite. Very fine grained, subhedral magnetite occurs within light green actinolite, biotite, and within clinopyroxene. Fine grained apatite needles are found within clinopyroxene, magnetite and actinolite-biotite alteration zones. Olivine may have been present as indicated by subhedral actinolite pseudomorphs.

The lower contact of Unit 2b with Unit 3a of the ore zone is typically sharp. Unit 2b does not occur in contact with Unit 3b.

Unit 2c: Fine to medium grained augite troctolite

Fine to medium grained augite troctolite consists of, in decreasing order of abundance, subhedral plagioclase, olivine and magnetite, interstitial clinopyroxene and euhedral apatite. Plagioclase laths are

partly altered to albite. Fine grained olivine is subhedral and often has very fine grained magnetite rims. Minor interstitial clinopyroxene is altered to actinolite. Very fine-grained subhedral to anhedral magnetite occurs within light green actinolite and biotite. Very thin apatite needles up to 5mm long are found within clinopyroxene, magnetite and actinolite-biotite alteration zones. This troctolite is distinguished by a homogeneous texture and is light to medium gray in colour.

This augite troctolite horizon invariably occurs within the unmineralized interval between the hanging wall and main ore zones. The unit varies in thickness from 10cm up to 20m and thins to the north. It is typically bounded by layers of unit 3a with gradational to well defined contacts and is rarely found in contact with unit 3b.

Unit 3a: Heterogeneous gabbro to augite troctolite with pervasive albite and albite pods

Unit 3a is medium to very coarse grained gabbro to augite troctolite, and is characterized by heterogeneous texture related to the highly variable albite alteration that resemble small dikelets or pods and the spatially associated changes in grain size. Plagioclase laths vary in size from medium grained subhedral laths with albite rims to very coarse grained (up to 2 cm) subhedral laths with albite rims near the edges of albite pods. Olivine varies from medium grained subhedral grains to very coarse grained (up to 1 cm) subhedral grains next to albite pods. Olivine adjacent to albite pods is zoned (Good 1993) and weakly altered to very fine grained assemblage of serpentine, actinolite and magnetite. Very coarse grained skeletal olivine occurs sporadically within this unit. Anhedral clinopyroxene is subophitic to ophitic and includes olivine and plagioclase. Clinopyroxene is partly altered to actinolite. Fine to medium grained anhedral to subhedral magnetite is interstitial as well as included within clinopyroxene. Fine grained anhedral apatite is found within clinopyroxene and actinolite-biotite alteration zones.

Albite alteration varies from a pervasive albite network that connects albite rims on plagioclase to randomly distributed medium grained, granular albite pods and dikelets that are 2 cm up to 30cm wide. The overall appearance of Unit 3a is medium to dark bluish-green gray with patchy pink.

The upper contact of Unit 3a with Unit 2b is defined by the gradational change from homogeneous gabbro with minor albite rims on plagioclase to variably textured gabbro with patchy pink zones. This contact is also marked by an increase in sulphides.

Layers of unit 3a alternate with layers of unit 3b throughout the mineralized zone.

Unit 3b: Heterogeneous augite troctolite with abundant skeletal olivine

Unit 3b is a coarse to very coarse grained heterogeneous augite troctolite, characterized by abundant skeletal, hopper, or harrisitic olivine. The harrisitic olivine was first described by Mulja (1989) and analyses showed it to be of fayalitic (iron-rich) composition. Plagioclase occurs as coarse grained (<1 cm) subhedral laths with albite rims and as anhedral intergrowths with skeletal olivine. Olivine occurs as medium to coarse grained subhedral grains and as skeletal crystals up to 5 cm long intergrown with plagioclase and clinopyroxene. Dendritic olivine crystals are also present. Anhedral clinopyroxene is ophitic, interstitial to olivine and plagioclase and is partly altered to actinolite. Fine to medium grained

anhedral to subhedral magnetite is interstitial. Very fine grained acicular apatite is included in olivine, magnetite, plagioclase and clinopyroxene.

Unit 3b has minor fine grained albite (rimming plagioclase) and minor albite pods and bands. Local intense alteration zones of actinolite-biotite (after olivine and clinopyroxene) are common. The overall appearance of Unit 3b is very dark bluish-green gray to medium gray-black.

Layers of unit 3a alternate with layers of unit 3b throughout the mineralized zone. The top of the ore horizon (in contact with Unit 2b gabbro) is consistently Unit 3a. The contact from Unit 3a to 3b typically exhibits a gradational to sharp increase in grain size, skeletal olivine, and a decrease in pervasive albite alteration. Often an albite pod or band occurs at the contact between Unit 3a and Unit 3b.

Basal Unit 3c: fine grained gabbro at contact with footwall syenite

Unit 3c is a fine grained gabbro that only occurs at the contact with the footwall syenite. The stubby plagioclase laths unlike plagioclase found in the rest of the intrusion are not rimmed by albite alteration. Interstitial clinopyroxene is predominantly altered to actinolite and biotite. Olivine and apatite are not evident. Very fine grained magnetite grains are included within the light green actinolite-biotite alteration zones.

The contact between the basal unit 3c gabbro and syenite is typically gradational with apparent assimilation of gabbro by syenite. The basal unit 3c is typically 1 to 5m thick and is overlain by unit 3b. Rarely, unit 3c missing leaving unit 3b troctolite in sharp contact with the footwall syenite.

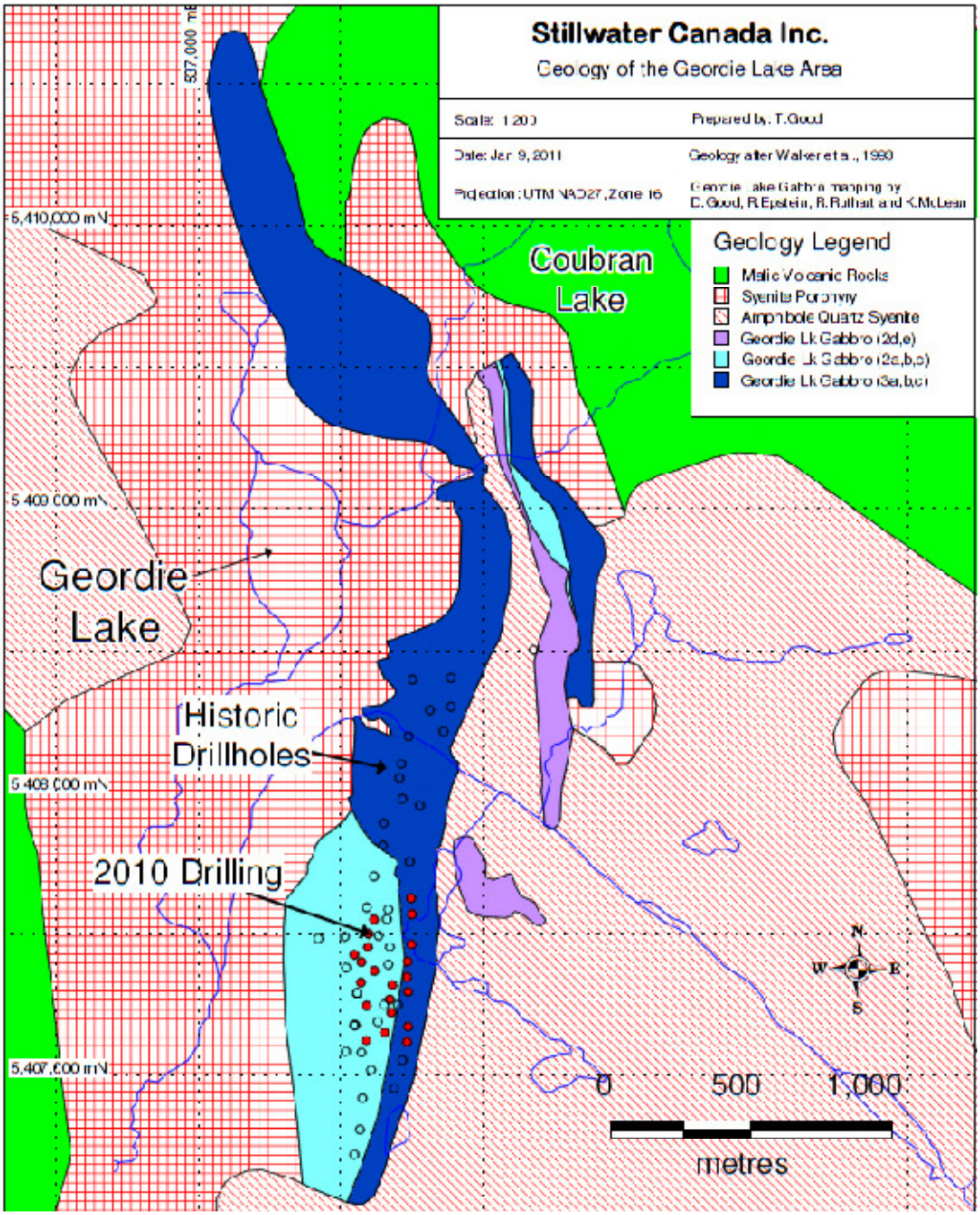


Figure 4: Geological map over the Geordie Lake Gabbro. Geology of the Geordie Lake Gabbro by staff of Marathon PGM. Geology of the syenitic rocks after Walker et al. 1993.

Deposit Model

The Geordie Lake deposit is a troctolitic to gabbroic intrusion with basal accumulations of disseminated chalcopyrite plus bornite with minor associated Pd-minerals. A deposit model proposed by Good and Crocket (1994) suggested that a highly evolved basaltic magma intruded into and near the base of a partially crystallized and more primitive magma chamber resulting in the mixing of two magmas. The mixing resulted in the formation of heterogeneous gabbro, albite pods, abundant skeletal or harrisitic olivine, and zoned olivine ranging in composition from forsterite 60 (core) to 20 (rim). Sulphide deposition occurred late in the crystallization history and was coincident with exsolution of a hydrous phase from the evolved melt and resulted in the association of chalcopyrite and bornite with secondary minerals such as actinolite, biotite and albite.

Mineralization

The mineralization on the Geordie Lake property consists primarily of disseminated chalcopyrite and bornite and minor pyrite, millerite, cobaltite, siegentite, sphalerite, and galena. Tellurides and platinum group minerals are strongly associated with chalcopyrite (Mulja and Mitchell, 1991).

Chalcopyrite occurs as very fine to very coarse grained or blebby disseminated grains associated with actinolite and albite within the albite and skeletal olivine bearing gabbro (units 3a and 3b). Very fine grained chalcopyrite is also found within 1 to 3 mm wide actinolite veinlets, 1 to 2 cm wide magnetite veins, and smeared on fracture surfaces. Chalcopyrite below the syenite contact occurs as disseminated and stringer sulfides.

Bornite is invariably associated with chalcopyrite as intergrowths or as rims around or cores within chalcopyrite. Bornite also occurs as fine grained to very coarse grained disseminated grains and as coarse grained amoeba-shaped blebs.

Pyrite and pyrrhotite are minor components of the sulfide assemblage in the Geordie Lake intrusion. Pyrrhotite occurs as fine to coarse grained disseminated grains as well as coarse-grained local blebs. Pyrrhotite grains are often rimmed by chalcopyrite, actinolite, and/or magnetite.

The mineralization occurs in two main settings as a thick and continuous basal main zone and as thinner discontinuous hanging wall zones of relatively lower grade (Figure 5). All mineralization is constrained to layers of heterogeneous gabbro (units 3a and 3b) and has been traced for approximately 1650 meters along strike by drilling. The thickness of the deposit is up to 200 m including the hanging-wall zones. The mineralization is enriched at the base or footwall of the deposit where higher grades and more consistent mineralization are found.

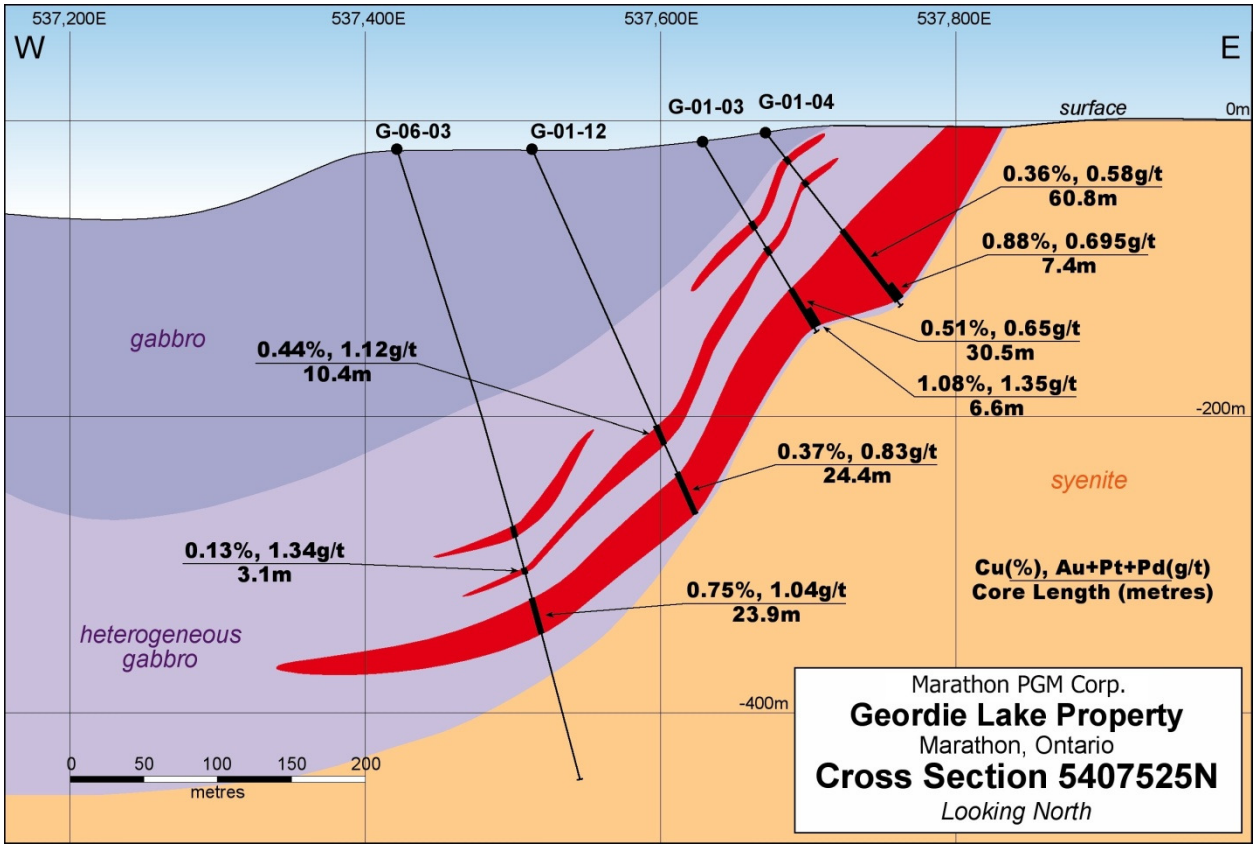


Figure 5: Cross Section of the Geordie Lake Deposit along line 5407525 North (Nad 27).

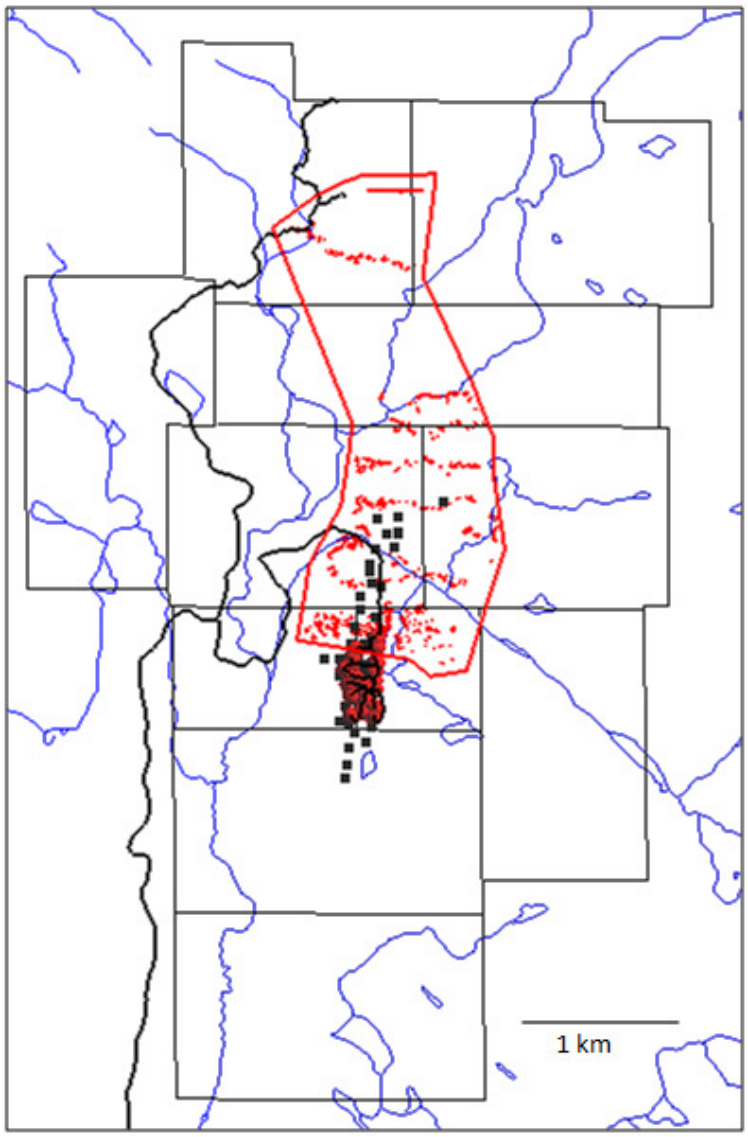
Work Program 2010

Geological Mapping

The northern portion of the Geordie Lake gabbro was mapped along lines spaced 50-100 m apart during the period from July 5 and August 15, 2010. Mapping was conducted by geologists Ryan Ruthart and Katrina McLean with the assistance of Thomas Good. A great deal of care was taken to identify rock types in a manner consistent with the rock types identified by geologist Rachel Epstein during the winter drilling program.

The distribution of outcrops mapped during this period is presented along with claim boundaries in Figure 6 and the interpretive geology map is presented in Figure 4.

Figure 6: Location of Geological mapping during 2010. Red boundary is limit of mapping, black cubes are historic ddh, red cubes are 2010 ddh, red marks indicate location of mapped outcrops.



2010 Drill Program

During the winter of 2010, 21 holes were drilled for a total of 2995.5 m of NQ sized core. All holes were drilled on close to a 90° azimuth, perpendicular to the strike of the target. The objective of drilling was to infill gaps in historic drilling, expand the known extent of mineralization and enable creation of a reliable mineral resource estimate.

Collar locations (Figure 7) were surveyed by handheld GPS. These devices were checked for accuracy by taking multiple readings from the same location. A Flexit down-hole survey instrument was used to survey deviation of the drillholes from their intended trajectories. The dips are considered to be accurate and show only minor flattening in some holes. A reading was taken at the collar, midpoint, and end of most holes.

All drill Logs are presented in Appendix B and in the assay certificates are listed in Appendix C.

Assay Data

A total of 1116 core samples, 2 m in length were selected from mineralized horizons and submitted to Accurassay Laboratories in Thunder Bay. Accurassay Laboratories is an accredited analysis of sulfur, gold, platinum, palladium, copper, nickel, and cobalt under ISO/IEC Guideline 17025 by the Standards Council of Canada. Accurassay provides analytical services to the mining and mineral exploration industry and is registered under ISO 9001:2000 quality standard.

In the 2010 drill program, mineralized drill core was sampled in 2 metre intervals with very few exceptions. All sections of core containing heterogeneous or plagioclase-rich gabbro intrusions were sampled continuously. Samples were also taken for several meters into the surrounding, unmineralized syenite. Core recovery was considered to be very good. 1116 samples were sent for analysis from this program in addition to quality control samples.

A complete list of assays for each drill hole are listed in Appendix A. All drill Logs are presented in Appendix B and in the assay certificates are listed in Appendix C.

Sample Preparation, Analyses and Security

Shipments of drill-core were transported from the property to a core logging facility in the town of Marathon. A geologist was responsible for logging the core and marking sample intervals. The core was then split using a diamond core saw. A tag with a sample identification (ID) number was placed in each sample bag before being sealed. The sample ID number was also written on the outside of the sample bag. The position of the samples on the remaining half cores was marked with a corresponding ID tag. Samples were then grouped into batches before being placed into rice bags. Each rice bag was also sealed and labelled before being dispatched.

Samples were shipped by Gardewine North trucks to Accurassay Laboratories in Thunder Bay, Ontario. Upon receipt of the samples, Accurassay personnel would ensure that the seals on rice bags and individual samples had not been tempered with. Duplicate pulp samples were sent to ALS Chemex Analytical Laboratories in Thunder Bay Ontario for verification of Cu analyses at Accurassay. The remaining half-core is now stored in sheds at the Marathon facility.

All samples received by Accurassay Laboratories are tagged with an Internal Sample Control Number when they are entered into the Laboratory Information Management System. Drill core samples are dried prior to any sample preparation. The samples are then crushed to 90% -8 mesh, split into 250 to 450 g sub-samples using a Jones Riffler and then pulverized to 90% -150 mesh using a ring and puck pulverizer. They are homogenized prior to analysis. Silica cleaning between each sample is performed to prevent any cross-contamination.

All Au, Pt and Pd analysis is performed using a 30 gram fire assay charge. The fire assay procedure uses lead collection with a silver inquart. The beads are then digested and an atomic absorption finish is used. Cu, Ni, Co and Ag were analyzed using an aqua regia digest with an atomic absorption finish.

All Cu and Ag analyses were determined by atomic absorption (AA) analysis with aqua regia digestion. Samples running over the maximum limit of 10,000 ppm (1%) of any of the above elements were automatically re-analyzed with a full fire assay.

Accurassay Laboratories has been accredited analysis of gold, platinum, palladium, copper, nickel, and cobalt under ISO/IEC Guideline 17025 by the Standards Council of Canada. Accurassay provides analytical services to the mining and mineral exploration industry and is registered under ISO 9001:2000 quality standard.

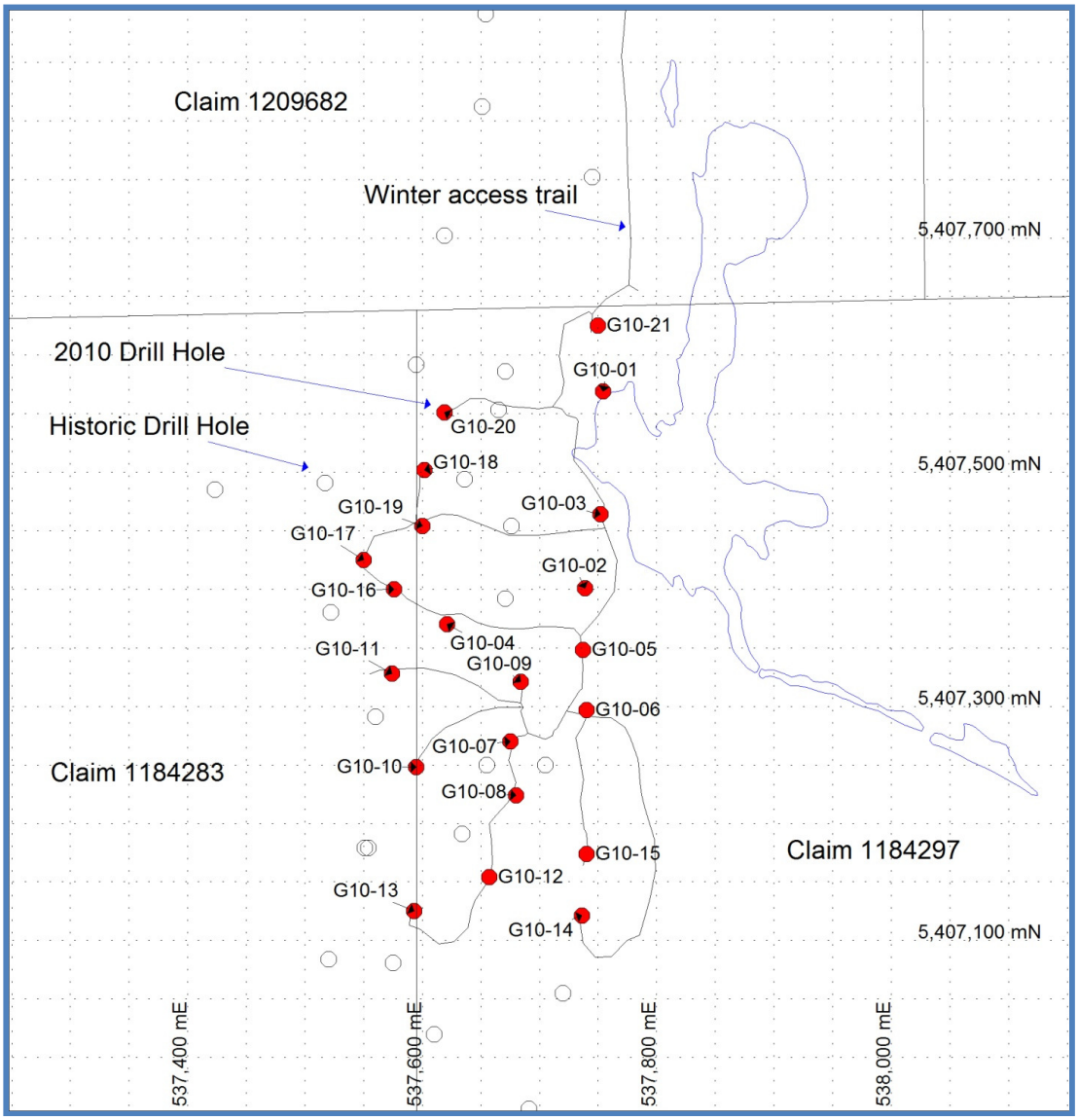


Figure 7: Drillhole collar locations with respect to claim boundaries and winter access trail

Table 3: List of Diamond Drill Holes completed in 2010 by Marathon PGM at the Geordie Lake Project. Core is stored at the Core Storage facility in Marathon.

Hole #	claim	UTM_N	UTM_E	Angle	Bearing	Depth (m)	Assays	Start	Finish
G10-01	1184297	5407569	537754	-50	88	96	22	21-Jan	23-Jan
G10-02	1184297	5407401	537739	-45	90	84	45	23-Jan	24-Jan
G10-03	1184297	5407464	537752	-45	90	81	35	24-Jan	25-Jan
G10-04	1184297	5407370	537621	-63	93	177	58	25-Jan	27-Jan
G10-05	1184297	5407348	537737	-45	88	81	44	28-Jan	29-Jan
G10-06	1184297	5407297	537740	-45	92	72	39	29-Jan	30-Jan
G10-07	1184297	5407270	537675	-55	90	129	50	30-Jan	01-Feb
G10-08	1184297	5407224	537680	-55	92	120	42	01-Feb	02-Feb
G10-09	1184297	5407321	537684	-60	90	126	50	02-Feb	03-Feb
G10-10	1184297	5407248	537595	-72	92	199	59	03-Feb	07-Feb
G10-11	1184283	5407328	537574	-65	92	225	77	07-Feb	09-Feb
G10-12	1184297	5407154	537657	-55	92	135.5	38	10-Feb	11-Feb
G10-13	1184297	5407125	537593	-77	95	200	65	12-Feb	14-Feb
G10-14	1184297	5407121	537736	-45	92	69	36	14-Feb	15-Feb
G10-15	1184297	5407174	537740	-45	89	80	37	16-Feb	18-Feb
G10-16	1184283	5407400	537576	-63	92	225	82	18-Feb	21-Feb
G10-17	1184283	5407425	537550	-63	92	248	86	21-Feb	23-Feb
G10-18	1184297	5407502	537602	-70	93	197	76	24-Feb	25-Feb
G10-19	1184297	5407454	537600	-60	92	180	63	25-Feb	26-Feb
G10-20	1184297	5407551	537621	-62	91	188	67	27-Feb	01-Mar
G10-21	1184297	5407623	537745	-50	88	83	45	01-Mar	02-Mar
					Total	2995.5			

Summary of Expenditures

Table 4: Summary of employees and days worked during the drilling and mapping projects.

Employee	project	Activity	Days
Rod Swire	drilling	field foreman	37
Steve McKerricker	drilling	core handling	42
Rachel Epstein	drilling	geologist	32
Jessica Borysenko	drilling	geologist	9
Andrew Middaugh	drilling	core handling	27
Ryan Ruthart	mapping	geologist	20.5
Thomas Good	mapping	assistant	22
Katrina McLean	mapping	geologist	22

Table 5: Summary of costs applied to drilling and mapping projects

Project	Activity	Cost	Total
drilling	Drilling (2995.5 meters)	$ 235,935.00	
drilling	assays	$ 45,666.00	
drilling	trail preparation, water crossing, drill pad preparation	$ 41,687.00	
drilling	drilling salaries	$ 34,634.00	
drilling	service and supplies	$ 5,666.00	
drilling	drilling accommodation	$ 4,500.00	
drilling	drilling food allowance	$ 2,345.00	$ 370,433.00
mapping	mapping salaries	$ 12,973.00	
mapping	mapping accommodation	$ 4,500.00	
mapping	assays mapping	$ 3,081.00	
mapping	mapping food allowance	$ 2,275.00	$ 22,829.00
		Total	$ 393,262.00

Table 6: Distribution of work to respective claims

claim #	drilling and road/trail preparation	mapping
1184283	$ 85,200	
1184297	$ 285,233	
1209682		$ 5,707
1209683		$ 5,707
1237697		$ 5,707
3015132		$ 5,707
Total Project		$393,262

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Appendices

Appendix A – Compilation of all assays in 2010 drilling

Hole_ID	From	To	Sample	Cu%	TPGM	Au_gpt	Pt_gpt	Pd_gpt	Ag_gpt
G10-01	4.50	6.00	870001	0.0522	0.172	0.006	0.007	0.159	0.5
G10-01	6.00	8.00	870002	0.0621	0.602	0.031	0.007	0.564	0.5
G10-01	8.00	10.00	870003	0.2249	0.846	0.037	0.043	0.766	0.5
G10-01	10.00	12.00	870004	0.5531	0.659	0.025	0.023	0.611	2.24
G10-01	12.00	14.00	870005	0.5141	0.454	0.041	0.007	0.406	2.14
G10-01	14.00	16.00	870007	0.7046	0.653	0.06	0.027	0.566	2.65
G10-01	16.00	18.00	870008	0.5435	0.63	0.04	0.007	0.583	2.31
G10-01	18.00	20.00	870009	0.1404	0.334	0.025	0.007	0.302	0.5
G10-01	20.00	22.00	870010	0.3127	0.649	0.041	0.007	0.601	1.4
G10-01	22.00	24.00	870011	0.44	0.765	0.065	0.036	0.664	2.18
G10-01	24.00	26.00	870013	0.3557	0.623	0.042	0.046	0.535	2.35
G10-01	26.00	28.00	870014	0.384	0.494	0.057	0.023	0.414	1.97
G10-01	28.00	30.00	870015	0.1179	0.19	0.015	0.007	0.168	1.1
G10-01	30.00	32.00	870016	0.5263	0.96	0.07	0.052	0.838	2.43
G10-01	32.00	34.00	870017	0.5519	1.05	0.108	0.046	0.896	3.35
G10-01	34.00	36.00	870019	0.3148	0.611	0.025	0.018	0.568	0.5
G10-01	36.00	38.00	870020	0.0049	0.02	0.008	0.007	0.005	0.5
G10-01	38.00	40.00	870021	0.0035	0.014	0.002	0.007	0.005	0.5
G10-01	40.00	42.00	870022	0.0023	0.028	0.016	0.007	0.005	0.5
G10-02	4.0	6.0	870023	0.2633	0.311	0.036	0.017	0.258	1.63
G10-02	6.0	8.0	870024	0.1248	0.154	0.014	0.007	0.133	0.5
G10-02	8.0	10.0	870025	0.069	0.097	0.011	0.007	0.079	0.5
G10-02	10.0	12.0	870026	0.0261	0.032	0.002	0.007	0.023	0.5
G10-02	12.0	14.0	870027	0.0082	0.019	0.007	0.007	0.005	0.5
G10-02	14.0	16.0	870029	0.0076	0.021	0.009	0.007	0.005	0.5
G10-02	16.0	18.0	870030	0.0161	0.024	0.002	0.007	0.015	0.5
G10-02	18.0	20.0	870031	0.124	0.285	0.02	0.03	0.235	0.5
G10-02	20.0	22.0	870032	0.0923	0.222	0.017	0.03	0.175	0.5
G10-02	22.0	24.0	870033	0.0302	0.126	0.015	0.018	0.093	0.5
G10-02	24.0	26.0	870035	0.0245	0.106	0.017	0.007	0.082	0.5
G10-02	26.0	28.0	870036	0.0421	0.04	0.009	0.007	0.024	0.5
G10-02	28.0	30.0	870037	0.034	0.092	0.016	0.007	0.069	0.5
G10-02	30.0	32.0	870038	0.0332	0.047	0.009	0.007	0.031	0.5
G10-02	32.0	34.0	870039	0.0329	0.045	0.012	0.007	0.026	0.5
G10-02	34.0	36.0	870041	0.0289	0.094	0.011	0.057	0.026	0.5
G10-02	36.0	38.0	870042	0.0294	0.076	0.009	0.051	0.016	0.5
G10-02	38.0	40.0	870043	0.0284	0.082	0.015	0.05	0.017	0.5
G10-02	40.0	42.0	870044	0.0435	0.105	0.012	0.042	0.051	0.5
G10-02	42.0	44.0	870045	0.0835	0.321	0.025	0.021	0.275	0.5
G10-02	44.0	46.0	870046	0.3351	0.82	0.062	0.04	0.718	1.42
G10-02	46.0	48.0	870047	0.3555	0.736	0.045	0.035	0.656	1.56
G10-02	48.0	50.0	870048	0.2469	0.722	0.049	0.042	0.631	1.2
G10-02	50.0	52.0	870049	0.4956	0.961	0.077	0.066	0.818	2.4
G10-02	52.0	54.0	870050	0.4721	0.656	0.049	0.055	0.552	2.13
G10-02	54.0	56.0	870052	0.1581	0.258	0.026	0.007	0.225	0.5
G10-02	56.0	58.0	870053	0.1615	0.201	0.019	0.023	0.159	0.5
G10-02	58.0	60.0	870054	0.2136	0.226	0.02	0.022	0.184	0.5
G10-02	60.0	62.0	870055	0.1019	0.156	0.047	0.02	0.089	0.5
G10-02	62.0	64.0	870056	0.1743	0.213	0.029	0.022	0.162	0.5
G10-02	64.0	66.0	870058	0.4303	0.945	0.058	0.053	0.834	2.36
G10-02	66.0	68.0	870059	0.3472	1.296	0.789	0.044	0.463	1.8
G10-02	68.0	70.0	870060	0.4886	1.258	0.372	0.05	0.836	4.15
G10-02	70.0	72.0	870061	0.4509	1.021	0.074	0.054	0.893	2.14
G10-02	72.0	74.0	870062	0.6275	0.652	0.044	0.007	0.601	2.27
G10-02	74.0	76.0	870064	0.7348	0.594	0.039	0.007	0.548	1.71
G10-02	76.0	78.0	870065	0.5295	0.653	0.098	0.007	0.548	4.1
G10-02	78.0	80.0	870066	0.0355	0.023	0.011	0.007	0.005	0.5
G10-02	80.0	82.0	870067	0.0246	0.022	0.01	0.007	0.005	0.5

G10-03	4.7	6.0	870068	0.0487	0.066	0.002	0.007	0.057	0.5
G10-03	6.0	8.0	870069	0.0107	0.019	0.007	0.007	0.005	0.5
G10-03	8.0	10.0	870070	0.0186	0.014	0.002	0.007	0.005	0.5
G10-03	10.0	12.0	870071	0.0071	0.02	0.008	0.007	0.005	0.5
G10-03	12.0	14.0	870072	0.0173	0.014	0.002	0.007	0.005	0.5
G10-03	14.0	16.0	870074	0.0352	0.037	0.008	0.007	0.022	0.5
G10-03	16.0	18.0	870075	0.0282	0.043	0.015	0.007	0.021	0.5
G10-03	18.0	20.0	870076	0.0377	0.032	0.009	0.007	0.016	0.5
G10-03	20.0	22.0	870077	0.0281	0.052	0.014	0.007	0.031	0.5
G10-03	22.0	24.0	870078	0.0546	0.106	0.014	0.007	0.085	0.5
G10-03	24.0	26.0	870080	0.0809	0.233	0.022	0.007	0.204	0.5
G10-03	26.0	28.0	870081	0.0717	0.228	0.027	0.007	0.194	0.5
G10-03	28.0	30.0	870082	0.082	0.176	0.016	0.007	0.153	0.5
G10-03	30.0	32.0	870083	0.435	0.948	0.066	0.045	0.837	2.64
G10-03	32.0	34.0	870084	0.5353	1.482	0.052	0.028	1.402	2.06
G10-03	34.0	36.0	870086	0.3459	0.535	0.039	0.03	0.466	1.55
G10-03	36.0	38.0	870087	0.3787	0.553	0.049	0.039	0.465	1.85
G10-03	38.0	40.0	870088	0.3913	0.385	0.023	0.007	0.355	1.12
G10-03	40.0	42.0	870089	0.2775	0.281	0.027	0.019	0.235	1.03
G10-03	42.0	44.0	870090	0.289	0.31	0.03	0.007	0.273	1.37
G10-03	44.0	46.0	870091	0.2769	0.318	0.027	0.007	0.284	1.51
G10-03	46.0	48.0	870092	0.41	0.71	0.079	0.036	0.595	1.59
G10-03	48.0	50.0	870093	0.3841	1.286	0.067	0.057	1.162	2.36
G10-03	50.0	52.0	870094	0.5374	1.211	0.081	0.042	1.088	3.29
G10-03	52.0	54.0	870095	0.6324	0.542	0.066	0.019	0.457	1.55
G10-03	54.0	56.0	870097	0.5172	0.895	0.058	0.017	0.82	2.45
G10-03	56.0	58.0	870098	0.9846	0.081	0.015	0.007	0.059	2.63
G10-03	58.0	60.0	870099	0.0703	0.06	0.002	0.007	0.051	0.5
G10-03	60.0	62.0	870100	0.0078	0.03	0.018	0.007	0.005	0.5
G10-04	62.0	64.0	870103	0.0261	0.044	0.011	0.007	0.026	1.83
G10-04	64.0	66.0	870104	0.0284	0.061	0.011	0.019	0.031	1.92
G10-04	66.0	68.0	870105	0.0274	0.05	0.013	0.007	0.03	5.2
G10-04	68.0	70.0	870106	0.0284	0.055	0.012	0.018	0.025	2.3
G10-04	70.0	72.0	870107	0.0333	0.07	0.012	0.029	0.029	2.14
G10-04	72.0	74.0	870109	0.0479	0.06	0.01	0.007	0.043	2.19
G10-04	74.0	76.0	870110	0.1296	0.153	0.021	0.02	0.112	2.55
G10-04	76.0	78.0	870111	0.1517	0.132	0.017	0.007	0.108	2.78
G10-04	78.0	80.0	870112	0.0594	0.085	0.011	0.007	0.067	2.43
G10-04	80.0	82.0	870113	0.0393	0.061	0.009	0.007	0.045	2.26
G10-04	82.0	84.0	870115	0.0824	0.104	0.013	0.02	0.071	2.33
G10-04	84.0	86.0	870116	0.1462	0.216	0.018	0.007	0.191	2.99
G10-04	86.0	88.0	870117	0.0957	0.169	0.011	0.007	0.151	3.01
G10-04	88.0	90.0	870118	0.1141	0.191	0.016	0.007	0.168	2.7
G10-04	90.0	92.0	870119	0.0543	0.085	0.011	0.007	0.067	2.5
G10-04	92.0	94.0	870121	0.0454	0.077	0.012	0.007	0.058	2.35
G10-04	94.0	96.0	870122	0.0577	0.099	0.013	0.007	0.079	2.51
G10-04	96.0	98.0	870123	0.0543	0.087	0.015	0.007	0.065	2.42
G10-04	98.0	100.0	870124	0.3331	0.234	0.026	0.026	0.182	4.88
G10-04	100.0	102.0	870125	1.1471	2.307	0.027	0.066	2.214	3.72
G10-04	102.0	104.0	870126	0.1427	0.543	0.03	0.042	0.471	3.76
G10-04	104.0	106.0	870127	0.0686	0.226	0.02	0.02	0.186	3.36
G10-04	106.0	108.0	870128	0.0378	0.078	0.014	0.007	0.057	2.39
G10-04	108.0	110.0	870129	0.0356	0.114	0.014	0.024	0.076	2.52
G10-04	110.0	112.0	870130	0.0262	0.074	0.015	0.02	0.039	2.28
G10-04	112.0	114.0	870132	0.0305	0.048	0.012	0.007	0.029	1.98
G10-04	114.0	116.0	870133	0.0258	0.068	0.011	0.03	0.027	1.31
G10-04	116.0	118.0	870134	0.0259	0.073	0.012	0.03	0.031	1.37
G10-04	118.0	120.0	870135	0.0288	0.014	0.002	0.007	0.005	1.37
G10-04	120.0	122.0	870136	0.0285	0.109	0.016	0.045	0.048	1.47
G10-04	122.0	124.0	870138	0.0485	0.206	0.023	0.007	0.176	1.92
G10-04	124.0	126.0	870139	0.1092	0.377	0.025	0.03	0.322	1.83
G10-04	126.0	128.0	870140	0.5069	0.979	0.059	0.054	0.866	3.33
G10-04	128.0	130.0	870141	0.3704	0.78	0.054	0.038	0.688	2.94
G10-04	130.0	132.0	870142	0.4605	0.641	0.05	0.055	0.536	2.84
G10-04	132.0	134.0	870144	0.212	0.263	0.025	0.007	0.231	1.7
G10-04	134.0	136.0	870145	0.1506	0.223	0.024	0.024	0.175	1.31

G10-04	136.0	138.0	870146	0.142	0.148	0.02	0.007	0.121	1.31
G10-04	138.0	140.0	870147	0.166	0.25	0.026	0.018	0.206	1.74
G10-04	140.0	142.0	870148	0.2787	0.385	0.032	0.028	0.325	2.83
G10-04	142.0	144.0	870149	0.4283	0.597	0.05	0.037	0.51	3.17
G10-04	144.0	146.0	870150	0.3702	0.893	0.046	0.035	0.812	3.46
G10-04	146.0	148.0	870151	0.2001	1.009	0.048	0.045	0.916	3.13
G10-04	148.0	150.0	870152	0.722	1.525	0.087	0.058	1.38	5.15
G10-04	150.0	152.0	870154	0.8391	1.551	0.099	0.071	1.381	6.35
G10-04	152.0	154.0	870155	1.2763	1.535	0.102	0.092	1.341	7.05
G10-04	154.0	156.0	870156	0.4893	0.541	0.042	0.035	0.464	2.29
G10-04	156.0	158.0	870157	0.1264	0.149	0.011	0.007	0.131	2.24
G10-04	158.0	160.0	870158	0.0779	0.098	0.01	0.007	0.081	0.5
G10-05	5.35	7.00	870161	0.368	0.597	0.061	0.023	0.513	4.01
G10-05	7.00	9.00	870162	0.2018	0.31	0.02	0.007	0.283	3.43
G10-05	9.00	11.00	870163	0.0861	0.138	0.013	0.007	0.118	2.27
G10-05	11.00	13.00	870164	0.0785	0.123	0.018	0.007	0.098	1.81
G10-05	13.00	15.00	870165	0.148	0.246	0.023	0.007	0.216	1.92
G10-05	15.00	17.00	870167	0.2078	0.469	0.03	0.007	0.432	2.67
G10-05	17.00	19.00	870168	0.2101	0.49	0.03	0.019	0.441	2.34
G10-05	19.00	21.00	870169	0.1318	0.302	0.016	0.023	0.263	0.5
G10-05	21.00	23.00	870170	0.1287	0.304	0.022	0.007	0.275	0.5
G10-05	23.00	25.00	870171	0.0304	0.11	0.017	0.007	0.086	0.5
G10-05	25.00	27.00	870173	0.0435	0.078	0.011	0.007	0.06	1.07
G10-05	27.00	29.00	870174	0.0157	0.05	0.01	0.007	0.033	0.5
G10-05	29.00	31.00	870175	0.0199	0.042	0.009	0.007	0.026	0.5
G10-05	31.00	33.00	870176	0.0291	0.063	0.011	0.027	0.025	0.5
G10-05	33.00	35.00	870177	0.0251	0.045	0.01	0.007	0.028	0.5
G10-05	35.00	37.00	870179	0.0302	0.046	0.01	0.007	0.029	0.5
G10-05	37.00	39.00	870180	0.0251	0.043	0.008	0.007	0.028	0.5
G10-05	39.00	41.00	870181	0.0391	0.118	0.011	0.007	0.1	0.5
G10-05	41.00	43.00	870182	0.0958	0.225	0.018	0.007	0.2	0.5
G10-05	43.00	45.00	870183	0.359	0.939	0.061	0.023	0.855	2.19
G10-05	45.00	47.00	870184	0.5472	0.874	0.07	0.048	0.756	3.05
G10-05	47.00	49.00	870185	0.6596	0.925	0.077	0.046	0.802	1.85
G10-05	49.00	51.00	870186	0.4724	0.612	0.041	0.021	0.55	0.5
G10-05	51.00	53.00	870187	0.2166	0.225	0.025	0.007	0.193	0.5
G10-05	53.00	55.00	870188	0.137	0.161	0.03	0.007	0.124	0.5
G10-05	55.00	57.00	870190	0.2572	0.222	0.025	0.007	0.19	0.5
G10-05	57.00	59.00	870191	0.38	0.326	0.03	0.023	0.273	0.5
G10-05	59.00	61.00	870192	0.2545	0.248	0.036	0.007	0.205	3.74
G10-05	61.00	63.00	870193	0.3239	0.318	0.042	0.007	0.269	2.48
G10-05	63.00	65.00	870194	0.2289	0.227	0.031	0.007	0.189	1.25
G10-05	65.00	67.00	870196	0.109	0.188	0.028	0.007	0.153	1.86
G10-05	67.00	69.00	870197	0.121	0.178	0.022	0.007	0.149	1.8
G10-05	69.00	71.00	870198	0.2663	0.519	0.023	0.022	0.474	2.4
G10-05	71.00	73.00	870199	0.2297	0.588	0.044	0.042	0.502	2.98
G10-05	73.00	75.00	870200	0.4557	0.625	0.021	0.032	0.572	2.83
G10-05	75.00	77.00	870202	0.5037	0.469	0.036	0.023	0.41	2.63
G10-05	77.00	79.00	870203	0.0122	0.014	0.002	0.007	0.005	0.5
G10-05	79.00	81.00	870204	0.1804	0.176	0.01	0.007	0.159	1.15
G10-06	1.50	4.00	870205	0.1469	0.154	0.02	0.007	0.127	1.54
G10-06	4.00	6.00	870206	0.1179	0.116	0.016	0.007	0.093	1.6
G10-06	6.00	8.00	870207	0.2184	0.327	0.019	0.007	0.301	1.86
G10-06	8.00	10.00	870208	0.1093	0.217	0.016	0.007	0.194	1.58
G10-06	10.00	12.00	870209	0.0746	0.166	0.014	0.025	0.127	1.24
G10-06	12.00	14.00	870211	0.0977	0.144	0.019	0.007	0.118	1.43
G10-06	14.00	16.00	870212	0.1589	0.256	0.025	0.007	0.224	2.62
G10-06	16.00	18.00	870213	0.1604	0.301	0.027	0.007	0.267	2.36
G10-06	18.00	20.00	870214	0.1405	0.317	0.022	0.007	0.288	1.95
G10-06	20.00	22.00	870215	0.0843	0.261	0.019	0.03	0.212	3.12
G10-06	22.00	24.00	870217	0.0223	0.125	0.013	0.007	0.105	1.65
G10-06	24.00	26.00	870218	0.0549	0.117	0.025	0.007	0.085	1.77
G10-06	26.00	28.00	870219	0.0422	0.057	0.013	0.007	0.037	1.45
G10-06	28.00	30.00	870220	0.0296	0.05	0.014	0.007	0.029	1.43
G10-06	30.00	32.00	870221	0.0267	0.042	0.01	0.007	0.025	1.3
G10-06	32.00	34.00	870223	0.0275	0.064	0.01	0.026	0.028	1.44

G10-06	34.00	36.00	870224	0.026	0.044	0.013	0.007	0.024	1.31
G10-06	36.00	38.00	870225	0.0271	0.075	0.012	0.036	0.027	1.31
G10-06	38.00	40.00	870226	0.0252	0.04	0.011	0.007	0.022	1.16
G10-06	40.00	42.00	870227	0.0274	0.059	0.011	0.02	0.028	1.35
G10-06	42.00	44.00	870228	0.0325	0.056	0.018	0.007	0.031	1.5
G10-06	44.00	46.00	870229	0.0293	0.076	0.019	0.007	0.05	1.86
G10-06	46.00	48.00	870230	0.0611	0.181	0.024	0.007	0.15	1.87
G10-06	48.00	50.00	870231	0.1139	0.317	0.034	0.007	0.276	2.23
G10-06	50.00	52.00	870232	0.5494	1.029	0.064	0.038	0.927	4.21
G10-06	52.00	54.00	870234	0.4491	1.03	0.068	0.056	0.906	4.52
G10-06	54.00	56.00	870235	0.1847	0.368	0.042	0.033	0.293	2.57
G10-06	56.00	58.00	870236	0.1602	0.233	0.022	0.007	0.204	2.29
G10-06	58.00	60.00	870237	0.3831	1.255	0.077	0.058	1.12	3.68
G10-06	60.00	62.00	870238	0.5807	1.021	0.066	0.047	0.908	4.27
G10-06	62.00	64.00	870240	0.4963	1.231	0.08	0.062	1.089	5.38
G10-06	64.00	66.00	870241	1.4094	0.039	0.01	0.007	0.022	6.46
G10-06	66.00	68.00	870242	0.028	1.452	0.085	0.051	1.316	1.21
G10-07	36.00	38.00	870244	0.026	0.084	0.008	0.031	0.045	0.5
G10-07	38.00	40.00	870245	0.029	0.087	0.002	0.028	0.057	0.5
G10-07	40.00	42.00	870246	0.0335	0.093	0.007	0.029	0.057	0.5
G10-07	42.00	44.00	870247	0.0288	0.055	0.002	0.007	0.046	0.5
G10-07	44.00	46.00	870248	0.057	0.092	0.012	0.026	0.054	0.5
G10-07	46.00	48.00	870250	0.0298	0.092	0.007	0.036	0.049	0.5
G10-07	48.00	50.00	870251	0.0257	0.075	0.014	0.007	0.054	0.5
G10-07	50.00	52.00	870252	0.0246	0.076	0.002	0.029	0.045	0.5
G10-07	52.00	54.00	870253	0.041	0.075	0.009	0.007	0.059	0.5
G10-07	54.00	56.00	870254	0.1256	0.128	0.009	0.007	0.112	0.5
G10-07	56.00	58.00	870256	0.1042	0.121	0.015	0.007	0.099	0.5
G10-07	58.00	60.00	870257	0.0775	0.084	0.013	0.007	0.064	0.5
G10-07	60.00	62.00	870258	0.2629	0.337	0.028	0.007	0.302	0.5
G10-07	62.00	64.00	870259	0.1646	0.256	0.019	0.007	0.23	0.5
G10-07	64.00	66.00	870260	0.1648	0.159	0.016	0.007	0.136	0.5
G10-07	66.00	68.00	870262	0.1807	0.272	0.019	0.028	0.225	0.5
G10-07	68.00	70.00	870263	0.181	0.077	0.017	0.018	0.042	0.5
G10-07	70.00	72.00	870264	0.1735	0.246	0.027	0.023	0.196	0.5
G10-07	72.00	74.00	870265	0.173	0.392	0.026	0.044	0.322	0.5
G10-07	74.00	76.00	870266	0.1283	0.348	0.017	0.042	0.289	0.5
G10-07	76.00	78.00	870267	0.0256	0.154	0.012	0.023	0.119	0.5
G10-07	78.00	80.00	870268	0.0208	0.101	0.009	0.032	0.06	0.5
G10-07	80.00	82.00	870269	0.057	0.159	0.007	0.038	0.114	0.5
G10-07	82.00	84.00	870270	0.0428	0.184	0.109	0.031	0.044	0.5
G10-07	84.00	86.00	870271	0.023	0.063	0.009	0.024	0.03	0.5
G10-07	86.00	88.00	870273	0.0274	0.068	0.008	0.033	0.027	0.5
G10-07	88.00	90.00	870274	0.0246	0.079	0.008	0.041	0.03	0.5
G10-07	90.00	92.00	870275	0.0264	0.072	0.012	0.033	0.027	0.5
G10-07	92.00	94.00	870276	0.0261	0.056	0.007	0.02	0.029	0.5
G10-07	94.00	96.00	870277	0.0268	0.047	0.008	0.007	0.032	0.5
G10-07	96.00	98.00	870279	0.058	0.388	0.024	0.054	0.31	0.5
G10-07	98.00	100.00	870280	0.2727	0.769	0.04	0.073	0.656	1.04
G10-07	100.00	102.00	870281	0.5899	1.154	0.057	0.082	1.015	2.31
G10-07	102.00	104.00	870282	0.4645	0.737	0.047	0.067	0.623	1.33
G10-07	104.00	106.00	870283	0.4075	0.669	0.04	0.059	0.57	1.67
G10-07	106.00	108.00	870285	0.4908	1.041	0.073	0.089	0.879	1.98
G10-07	108.00	110.00	870286	0.2712	0.35	0.026	0.007	0.317	0.5
G10-07	110.00	112.00	870287	0.6162	0.592	0.045	0.036	0.511	1.28
G10-07	112.00	114.00	870288	0.5139	0.743	0.051	0.007	0.685	1.27
G10-07	114.00	116.00	870289	0.2204	0.389	0.034	0.02	0.335	1.22
G10-07	116.00	118.00	870290	0.0528	0.116	0.012	0.007	0.097	0.5
G10-08	48.00	50.00	870294	0.0315	0.049	0.014	0.007	0.028	0.5
G10-08	50.00	52.00	870295	0.0332	0.067	0.017	0.024	0.026	0.5
G10-08	52.00	54.00	870296	0.0288	0.085	0.011	0.047	0.027	0.5
G10-08	54.00	56.00	870297	0.0399	0.056	0.011	0.007	0.038	0.5
G10-08	56.00	58.00	870298	0.1368	0.119	0.017	0.017	0.085	0.5
G10-08	58.00	60.00	870300	0.1239	0.151	0.019	0.007	0.125	0.5
G10-08	60.00	62.00	870301	0.1538	0.202	0.013	0.032	0.157	0.5
G10-08	62.00	64.00	870302	0.2052	0.32	0.03	0.007	0.283	0.5

G10-08	64.00	66.00	870303	0.1542	0.225	0.022	0.007	0.196	0.5
G10-08	66.00	68.00	870304	0.1308	0.159	0.017	0.007	0.135	0.5
G10-08	68.00	70.00	870306	0.1332	0.208	0.014	0.007	0.187	0.5
G10-08	70.00	72.00	870307	0.1646	0.252	0.025	0.007	0.22	0.5
G10-08	72.00	74.00	870308	0.1624	0.28	0.021	0.007	0.252	0.5
G10-08	74.00	76.00	870309	0.1466	0.381	0.021	0.03	0.33	0.5
G10-08	76.00	78.00	870310	0.2226	0.362	0.037	0.024	0.301	1.25
G10-08	78.00	80.00	870312	0.0516	0.177	0.037	0.017	0.123	0.5
G10-08	80.00	82.00	870313	0.0743	0.151	0.02	0.007	0.124	0.5
G10-08	82.00	84.00	870314	0.0426	0.086	0.009	0.027	0.05	0.5
G10-08	84.00	86.00	870315	0.024	0.049	0.008	0.018	0.023	0.5
G10-08	86.00	88.00	870316	0.019	0.034	0.009	0.007	0.018	0.5
G10-08	88.00	90.00	870317	0.0014	0.014	0.002	0.007	0.005	0.5
G10-08	90.00	92.00	870318	0.0013	0.014	0.002	0.007	0.005	0.5
G10-08	92.00	94.00	870319	0.0013	0.014	0.002	0.007	0.005	0.5
G10-08	94.00	96.00	870320	0.0053	0.014	0.002	0.007	0.005	0.5
G10-08	96.00	98.00	870321	0.0248	0.041	0.005	0.007	0.029	0.5
G10-08	98.00	100.00	870323	0.0296	0.048	0.014	0.007	0.027	0.5
G10-08	100.00	102.00	870324	0.2951	1.322	0.079	0.057	1.186	1.41
G10-08	102.00	104.00	870325	0.7661	1.582	0.103	0.092	1.387	3.15
G10-08	104.00	106.00	870326	0.8121	2.115	0.133	0.14	1.842	2.83
G10-08	106.00	108.00	870327	0.809	1.425	0.083	0.077	1.265	2.49
G10-08	108.00	110.00	870329	0.8514	1.279	0.086	0.06	1.133	4.28
G10-08	110.00	112.00	870330	0.6439	0.687	0.048	0.007	0.632	0.5
G10-08	112.00	114.00	870331	0.1627	0.251	0.019	0.016	0.216	0.5
G10-08	114.00	116.00	870332	0.0089	0.156	0.014	0.137	0.005	0.5
G10-08	116.00	118.00	870333	0.0133	0.021	0.009	0.007	0.005	0.5
G10-08	118.00	120.00	870335	0.0095	0.014	0.002	0.007	0.005	0.5
G10-09	34.00	36.00	870336	0.0267	0.046	0.006	0.015	0.025	0.5
G10-09	36.00	38.00	870337	0.0297	0.064	0.006	0.026	0.032	0.5
G10-09	38.00	40.00	870338	0.0581	0.07	0.009	0.007	0.054	0.5
G10-09	40.00	42.00	870339	0.1441	0.151	0.017	0.026	0.108	0.5
G10-09	42.00	44.00	870340	0.1614	0.219	0.014	0.03	0.175	0.5
G10-09	44.00	46.00	870342	0.0712	0.068	0.009	0.016	0.043	0.5
G10-09	46.00	48.00	870343	0.0951	0.053	0.006	0.007	0.04	0.5
G10-09	48.00	50.00	870344	0.1423	0.177	0.021	0.007	0.149	0.5
G10-09	50.00	52.00	870345	0.1139	0.194	0.024	0.007	0.163	0.5
G10-09	52.00	54.00	870346	0.0833	0.112	0.017	0.007	0.088	0.5
G10-09	54.00	56.00	870348	0.0712	0.1	0.016	0.007	0.077	0.5
G10-09	56.00	58.00	870349	0.1447	0.161	0.018	0.007	0.136	0.5
G10-09	58.00	60.00	870350	0.107	0.238	0.022	0.007	0.209	0.5
G10-09	60.00	62.00	870351	0.2796	0.368	0.03	0.007	0.331	0.5
G10-09	62.00	64.00	870352	0.2081	0.445	0.035	0.007	0.403	0.5
G10-09	64.00	66.00	870354	0.0356	0.211	0.017	0.007	0.187	0.5
G10-09	66.00	68.00	870355	0.0766	0.155	0.024	0.007	0.124	0.5
G10-09	68.00	70.00	870356	0.0179	0.063	0.013	0.007	0.043	0.5
G10-09	70.00	72.00	870357	0.0197	0.061	0.015	0.007	0.039	0.5
G10-09	72.00	74.00	870358	0.0279	0.038	0.013	0.007	0.018	0.5
G10-09	74.00	76.00	870359	0.0248	0.039	0.013	0.007	0.019	0.5
G10-09	76.00	78.00	870360	0.028	0.035	0.007	0.007	0.021	0.5
G10-09	78.00	80.00	870361	0.0278	0.041	0.009	0.007	0.025	0.5
G10-09	80.00	82.00	870362	0.0247	0.04	0.008	0.007	0.025	0.5
G10-09	82.00	84.00	870363	0.0252	0.06	0.008	0.016	0.036	0.5
G10-09	84.00	86.00	870365	0.0695	0.268	0.016	0.019	0.233	0.5
G10-09	86.00	88.00	870366	0.513	0.862	0.083	0.054	0.725	416.25
G10-09	88.00	90.00	870367	0.4908	0.832	0.06	0.047	0.725	2.84
G10-09	90.00	92.00	870368	0.3845	0.652	0.045	0.051	0.556	1.81
G10-09	92.00	94.00	870369	0.3291	0.503	0.038	0.007	0.458	1.17
G10-09	94.00	96.00	870371	0.0797	0.186	0.022	0.039	0.125	0.5
G10-09	96.00	98.00	870372	0.0899	0.191	0.018	0.04	0.133	0.5
G10-09	98.00	100.00	870373	0.269	0.801	0.05	0.085	0.666	1.03
G10-09	100.00	102.00	870374	0.6133	1.171	0.072	0.089	1.01	2.33
G10-09	102.00	104.00	870375	0.5972	1.161	0.087	0.108	0.966	2.34
G10-09	104.00	106.00	870377	0.8824	1.157	0.109	0.075	0.973	3.12
G10-09	106.00	108.00	870378	0.8645	1.274	0.082	0.09	1.102	3.28
G10-09	108.00	110.00	870379	0.7328	1.129	0.169	0.053	0.907	2.49

G10-09	110.00	112.00	870380	0.1414	0.201	0.013	0.051	0.137	0.5
G10-09	112.00	114.00	870381	0.0446	0.081	0.014	0.007	0.06	0.5
G10-09	114.00	116.00	870382	0.0041	0.027	0.002	0.02	0.005	0.5
G10-10	98.00	100.00	870386	0.026	0.069	0.016	0.024	0.029	1.77
G10-10	100.00	102.00	870387	0.0222	0.077	0.009	0.045	0.023	1.73
G10-10	102.00	104.00	870388	0.0281	0.079	0.014	0.037	0.028	1.44
G10-10	104.00	106.00	870389	0.0387	0.067	0.013	0.029	0.025	1.6
G10-10	106.00	108.00	870390	0.0242	0.058	0.01	0.02	0.028	1.35
G10-10	108.00	110.00	870392	0.0241	0.063	0.011	0.028	0.024	1.53
G10-10	110.00	112.00	870393	0.0285	0.076	0.012	0.037	0.027	1.67
G10-10	112.00	114.00	870394	0.0292	0.039	0.016	0.007	0.016	1.49
G10-10	114.00	116.00	870395	0.0324	0.057	0.017	0.007	0.033	1.87
G10-10	116.00	118.00	870396	0.1251	0.166	0.022	0.024	0.12	2.32
G10-10	118.00	120.00	870398	0.1138	0.158	0.018	0.026	0.114	1.23
G10-10	120.00	122.00	870399	0.1678	0.196	0.021	0.024	0.151	2.42
G10-10	122.00	124.00	870400	0.087	0.106	0.01	0.007	0.089	1.96
G10-10	124.00	126.00	870401	0.0412	0.07	0.017	0.007	0.046	1.58
G10-10	126.00	128.00	870402	0.0962	0.092	0.013	0.007	0.072	2.54
G10-10	128.00	130.00	870404	0.1501	0.156	0.016	0.027	0.113	2.25
G10-10	130.00	132.00	870405	0.1786	0.196	0.022	0.038	0.136	2.48
G10-10	132.00	134.00	870406	0.0714	0.107	0.018	0.007	0.082	2.33
G10-10	134.00	136.00	870407	0.0421	0.11	0.017	0.017	0.076	2.26
G10-10	136.00	138.00	870408	0.043	0.086	0.011	0.017	0.058	2.2
G10-10	138.00	140.00	870409	0.0364	0.069	0.012	0.007	0.05	2.18
G10-10	140.00	142.00	870410	0.052	0.096	0.011	0.007	0.078	2.04
G10-10	142.00	144.00	870411	0.1138	0.182	0.029	0.007	0.146	2.69
G10-10	144.00	146.00	870412	0.2113	0.407	0.034	0.007	0.366	3.25
G10-10	146.00	148.00	870413	0.2785	0.613	0.055	0.051	0.507	4.14
G10-10	148.00	150.00	870415	0.069	0.291	0.034	0.046	0.211	2.56
G10-10	150.00	152.00	870416	0.0666	0.199	0.03	0.007	0.162	2.5
G10-10	152.00	154.00	870417	0.0421	0.081	0.01	0.007	0.064	2.44
G10-10	154.00	156.00	870418	0.0164	0.096	0.045	0.007	0.044	1.97
G10-10	156.00	158.00	870419	0.0198	0.116	0.022	0.007	0.087	1.94
G10-10	158.00	160.00	870421	0.025	0.038	0.012	0.007	0.019	1.77
G10-10	160.00	162.00	870422	0.0236	0.051	0.008	0.023	0.02	1.8
G10-10	162.00	164.00	870423	0.0282	0.047	0.016	0.007	0.024	1.88
G10-10	164.00	166.00	870424	0.0257	0.042	0.014	0.007	0.021	1.77
G10-10	166.00	168.00	870425	0.0275	0.048	0.02	0.007	0.021	1.75
G10-10	168.00	170.00	870427	0.0279	0.037	0.012	0.007	0.018	1.56
G10-10	170.00	172.00	870428	0.0261	0.042	0.017	0.007	0.018	1.54
G10-10	172.00	174.00	870429	0.0279	0.056	0.016	0.018	0.022	1.72
G10-10	174.00	176.00	870430	0.0538	0.627	0.043	0.054	0.53	2.64
G10-10	176.00	178.00	870431	0.4728	1.495	0.099	0.092	1.304	4.98
G10-10	178.00	180.00	870432	0.6034	1.764	0.109	0.106	1.549	6.37
G10-10	180.00	182.00	870433	1.0289	2.514	0.191	0.141	2.182	8.26
G10-10	182.00	184.00	870434	0.9186	2.069	0.114	0.156	1.799	14.66
G10-10	184.00	186.00	870435	0.6041	0.933	0.083	0.13	0.72	3.24
G10-10	186.00	188.00	870437	0.3144	0.728	0.039	0.095	0.594	2.19
G10-10	188.00	190.00	870438	0.1259	0.336	0.023	0.069	0.244	1.35
G10-10	190.00	192.00	870439	0.1882	0.571	0.051	0.089	0.431	2.1
G10-10	192.00	194.00	870440	0.042	0.085	0.029	0.007	0.049	1.17
G10-10	194.00	196.00	870441	0.045	0.112	0.016	0.007	0.089	1.06
G10-10	196.00	199.00	870443	0.023	0.02	0.008	0.007	0.005	1.54
G10-11	84.00	86.00	870445	0.0154	0.023	0.011	0.007	0.005	1.77
G10-11	86.00	88.00	870446	0.0252	0.064	0.009	0.007	0.048	1.68
G10-11	88.00	90.00	870447	0.0269	0.031	0.011	0.007	0.013	1.56
G10-11	90.00	92.00	870448	0.0208	0.03	0.008	0.007	0.015	1.73
G10-11	92.00	94.00	870449	0.0218	0.036	0.015	0.007	0.014	1.68
G10-11	94.00	96.00	870451	0.022	0.042	0.014	0.007	0.021	1.51
G10-11	96.00	98.00	870452	0.0258	0.048	0.016	0.007	0.025	1.65
G10-11	98.00	100.00	870453	0.0239	0.042	0.017	0.007	0.018	1.44
G10-11	100.00	102.00	870454	0.0248	0.042	0.015	0.007	0.02	1.64
G10-11	102.00	104.00	870455	0.0226	0.04	0.015	0.007	0.018	1.56
G10-11	104.00	106.00	870457	0.0275	0.064	0.031	0.007	0.026	1.93
G10-11	106.00	108.00	870458	0.0285	0.045	0.014	0.007	0.024	1.89
G10-11	108.00	110.00	870459	0.0277	0.07	0.021	0.017	0.032	1.8

G10-11	110.00	112.00	870460	0.0343	0.014	0.002	0.007	0.005	2.29
G10-11	112.00	114.00	870461	0.0395	0.052	0.002	0.007	0.043	2.1
G10-11	114.00	116.00	870463	0.0374	0.05	0.002	0.007	0.041	2.16
G10-11	116.00	118.00	870464	0.0642	0.063	0.002	0.007	0.054	1.98
G10-11	118.00	120.00	870465	0.1459	0.108	0.006	0.019	0.083	2.59
G10-11	120.00	122.00	870466	0.087	0.08	0.005	0.007	0.068	2.37
G10-11	122.00	124.00	870467	0.0707	0.059	0.002	0.007	0.05	1.9
G10-11	124.00	126.00	870468	0.0618	0.106	0.002	0.024	0.08	2.42
G10-11	126.00	128.00	870469	0.0937	0.099	0.007	0.007	0.085	2.49
G10-11	128.00	130.00	870470	0.1123	0.117	0.002	0.007	0.108	2.6
G10-11	130.00	132.00	870471	0.1113	0.126	0.008	0.016	0.102	2.23
G10-11	132.00	134.00	870472	0.0608	0.065	0.002	0.007	0.056	2.11
G10-11	134.00	136.00	870474	0.0808	0.092	0.01	0.007	0.075	2.24
G10-11	136.00	138.00	870475	0.0289	0.05	0.002	0.024	0.024	1.81
G10-11	138.00	140.00	870476	0.0348	0.107	0.07	0.007	0.03	1.9
G10-11	140.00	142.00	870477	0.0463	0.038	0.002	0.007	0.029	2.08
G10-11	142.00	144.00	870478	0.086	0.113	0.002	0.026	0.085	2.37
G10-11	144.00	146.00	870480	0.0394	0.057	0.002	0.018	0.037	2.41
G10-11	146.00	148.00	870481	0.0464	0.054	0.002	0.007	0.045	2.32
G10-11	148.00	150.00	870482	0.0449	0.071	0.014	0.007	0.05	2.24
G10-11	150.00	152.00	870483	0.1166	0.151	0.012	0.019	0.12	2.63
G10-11	152.00	154.00	870484	0.1759	0.174	0.019	0.024	0.131	3.55
G10-11	154.00	156.00	870486	0.1972	0.254	0.022	0.007	0.225	4.03
G10-11	156.00	158.00	870487	0.1186	0.457	0.027	0.022	0.408	3.56
G10-11	158.00	160.00	870488	0.1115	0.206	0.018	0.007	0.181	3.43
G10-11	160.00	162.00	870489	0.157	0.153	0.018	0.007	0.128	3.61
G10-11	162.00	164.00	870490	0.1031	0.069	0.01	0.007	0.052	2.8
G10-11	164.00	166.00	870491	0.0314	0.051	0.012	0.007	0.032	2.35
G10-11	166.00	168.00	870492	0.0278	0.039	0.011	0.007	0.021	2.23
G10-11	168.00	170.00	870493	0.0391	0.04	0.008	0.007	0.025	2.28
G10-11	170.00	172.00	870494	0.0265	0.034	0.01	0.007	0.017	2.27
G10-11	172.00	174.00	870496	0.0286	0.034	0.011	0.007	0.016	2.07
G10-11	174.00	176.00	870497	0.0234	0.159	0.006	0.007	0.146	2.18
G10-11	176.00	178.00	870498	0.1247	0.031	0.002	0.007	0.022	3.64
G10-11	178.00	180.00	870499	0.2282	0.691	0.037	0.054	0.6	3.65
G10-11	180.00	182.00	870500	0.4145	0.808	0.047	0.049	0.712	4.67
G10-11	182.00	184.00	870502	0.3628	0.557	0.036	0.04	0.481	4.21
G10-11	184.00	186.00	870503	0.1926	0.252	0.029	0.007	0.216	3.08
G10-11	186.00	188.00	870504	0.2243	0.299	0.029	0.016	0.254	2.89
G10-11	188.00	190.00	870505	0.653	1.723	0.098	0.11	1.515	9.05
G10-11	190.00	192.00	870506	0.6557	1.188	0.069	0.083	1.036	6.48
G10-11	192.00	194.00	870508	0.4873	0.991	0.069	0.067	0.855	5.36
G10-11	194.00	196.00	870509	0.7158	1.449	0.093	0.069	1.287	6.77
G10-11	196.00	198.00	870510	0.8862	1.652	0.104	0.099	1.449	6.63
G10-11	198.00	200.00	870511	1.2421	2.739	0.194	0.181	2.364	10.44
G10-11	200.00	202.00	870512	1.4787	1.707	0.141	0.089	1.477	8.93
G10-11	202.00	204.00	870513	0.7468	0.89	0.046	0.062	0.782	3.49
G10-11	204.00	206.00	870514	0.3719	0.627	0.029	0.035	0.563	1.84
G10-11	206.00	208.00	870515	0.2656	0.437	0.017	0.016	0.404	1.59
G10-11	208.00	210.00	870516	0.1686	0.251	0.013	0.034	0.204	1.51
G10-11	210.00	212.00	870517	0.0666	0.021	0.009	0.007	0.005	1.46
G10-11	212.00	214.00	870519	0.007	0.014	0.002	0.007	0.005	1.27
G10-12	61.00	63.00	870522	0.0359	0.042	0.006	0.007	0.029	2.16
G10-12	63.00	65.00	870523	0.0322	0.041	0.006	0.007	0.028	2.06
G10-12	65.00	67.00	870524	0.0442	0.053	0.015	0.007	0.031	2.42
G10-12	67.00	69.00	870525	0.16	0.113	0.01	0.007	0.096	2.83
G10-12	69.00	71.00	870526	0.143	0.13	0.008	0.007	0.115	2.76
G10-12	71.00	73.00	870528	0.0841	0.111	0.018	0.017	0.076	2.9
G10-12	73.00	75.00	870529	0.1497	0.196	0.013	0.007	0.176	3.07
G10-12	75.00	77.00	870530	0.2147	0.315	0.019	0.016	0.28	3.83
G10-12	77.00	79.00	870531	0.3001	0.33	0.024	0.007	0.299	4.08
G10-12	79.00	81.00	870532	0.1424	0.232	0.015	0.035	0.182	2.93
G10-12	81.00	83.00	870534	0.2196	0.404	0.027	0.07	0.307	3.64
G10-12	83.00	85.00	870535	0.1966	0.532	0.031	0.044	0.457	3.56
G10-12	85.00	87.00	870536	0.2636	0.444	0.036	0.035	0.373	3.7
G10-12	87.00	89.00	870537	0.092	0.307	0.065	0.046	0.196	3.05

G10-12	89.00	91.00	870538	0.0877	0.11	0.012	0.007	0.091	2.6
G10-12	91.00	93.00	870540	0.0556	0.107	0.014	0.026	0.067	2.44
G10-12	93.00	95.00	870541	0.0831	0.094	0.009	0.023	0.062	2.31
G10-12	95.00	97.00	870542	0.029	0.042	0.002	0.007	0.033	1.89
G10-12	97.00	99.00	870543	0.0262	0.029	0.002	0.007	0.02	1.8
G10-12	99.00	101.00	870544	0.0257	0.026	0.002	0.007	0.017	1.85
G10-12	101.00	103.00	870545	0.0266	0.033	0.011	0.007	0.015	1.79
G10-12	103.00	105.00	870546	0.0305	0.044	0.009	0.021	0.014	1.84
G10-12	105.00	107.00	870547	0.0385	0.026	0.006	0.007	0.013	2.63
G10-12	107.00	109.00	870548	0.0263	0.027	0.006	0.007	0.014	1.89
G10-12	109.00	111.00	870549	0.0263	0.024	0.005	0.007	0.012	2.02
G10-12	111.00	113.00	870551	0.1315	0.601	0.031	0.022	0.548	3.03
G10-12	113.00	115.00	870552	0.5829	1.405	0.09	0.074	1.241	6.21
G10-12	115.00	117.00	870553	0.9215	2.22	0.131	0.115	1.974	7.44
G10-12	117.00	119.00	870554	0.9317	1.699	0.09	0.035	1.574	6.2
G10-12	119.00	121.00	870555	0.8178	0.831	0.042	0.021	0.768	2.95
G10-12	121.00	123.00	870557	0.0099	0.014	0.002	0.007	0.005	1.26
G10-12	123.00	125.00	870558	0.0142	0.019	0.007	0.007	0.005	1.31
G10-13	28.00	30.00	870560	0.0266	0.062	0.014	0.023	0.025	3.58
G10-13	30.00	32.00	870561	0.0257	0.072	0.016	0.023	0.033	0.5
G10-13	32.00	34.00	870562	0.0282	0.047	0.019	0.007	0.021	1.41
G10-13	34.00	36.00	870563	0.0266	0.054	0.018	0.007	0.029	0.5
G10-13	36.00	38.00	870564	0.0336	0.052	0.017	0.007	0.028	0.5
G10-13	38.00	40.00	870566	0.0272	0.039	0.015	0.007	0.017	0.5
G10-13	40.00	42.00	870567	0.0211	0.056	0.025	0.007	0.024	0.5
G10-13	70.00	72.00	870568	0.0287	0.06	0.027	0.007	0.026	0.5
G10-13	96.00	98.00	870569	0.0247	0.053	0.023	0.007	0.023	1.3
G10-13	98.00	100.00	870570	0.0256	0.056	0.02	0.007	0.029	0.5
G10-13	100.00	102.00	870572	0.0228	0.048	0.018	0.007	0.023	0.5
G10-13	102.00	104.00	870573	0.0282	0.096	0.059	0.007	0.03	0.5
G10-13	104.00	106.00	870574	0.0373	0.069	0.021	0.007	0.041	0.5
G10-13	106.00	108.00	870575	0.0564	0.074	0.021	0.007	0.046	0.5
G10-13	108.00	110.00	870576	0.0698	0.09	0.021	0.007	0.062	0.5
G10-13	110.00	112.00	870578	0.0437	0.062	0.021	0.007	0.034	0.5
G10-13	112.00	114.00	870579	0.0403	0.064	0.025	0.007	0.032	0.5
G10-13	114.00	116.00	870580	0.0263	0.051	0.018	0.007	0.026	0.5
G10-13	116.00	118.00	870581	0.0401	0.072	0.022	0.007	0.043	1.5
G10-13	118.00	120.00	870582	0.043	0.09	0.027	0.007	0.056	0.5
G10-13	120.00	122.00	870583	0.0624	0.116	0.051	0.007	0.058	0.5
G10-13	122.00	124.00	870584	0.1344	0.206	0.026	0.007	0.173	0.5
G10-13	124.00	126.00	870585	0.065	0.093	0.016	0.007	0.07	0.5
G10-13	126.00	128.00	870586	0.1445	0.202	0.018	0.007	0.177	0.5
G10-13	128.00	130.00	870587	0.2089	0.306	0.023	0.007	0.276	2.63
G10-13	130.00	132.00	870589	0.2561	0.247	0.022	0.007	0.218	1.01
G10-13	132.00	134.00	870590	0.0895	0.186	0.017	0.007	0.162	14.46
G10-13	134.00	136.00	870591	0.1608	0.432	0.03	0.019	0.383	1.81
G10-13	136.00	138.00	870592	0.1494	0.2	0.04	0.007	0.153	0.5
G10-13	138.00	140.00	870593	0.0883	0.19	0.016	0.007	0.167	0.5
G10-13	140.00	142.00	870595	0.0571	0.179	0.018	0.007	0.154	0.5
G10-13	142.00	144.00	870596	0.0475	0.173	0.016	0.007	0.15	0.5
G10-13	144.00	146.00	870597	0.0731	0.147	0.016	0.007	0.124	0.5
G10-13	146.00	148.00	870598	0.052	0.131	0.022	0.007	0.102	0.5
G10-13	148.00	150.00	870599	0.0455	0.064	0.016	0.007	0.041	0.5
G10-13	150.00	152.00	870601	0.0357	0.035	0.012	0.007	0.016	0.5
G10-13	152.00	154.00	870602	0.0223	0.05	0.013	0.007	0.03	0.5
G10-13	154.00	156.00	870603	0.0259	0.047	0.011	0.007	0.029	0.5
G10-13	156.00	158.00	870604	0.0276	0.045	0.013	0.007	0.025	0.5
G10-13	158.00	160.00	870605	0.0236	0.042	0.011	0.007	0.024	0.5
G10-13	160.00	162.00	870606	0.0262	0.045	0.015	0.007	0.023	1.65
G10-13	162.00	164.00	870607	0.0314	0.052	0.016	0.007	0.029	0.5
G10-13	164.00	166.00	870608	0.0334	0.051	0.015	0.007	0.029	0.5
G10-13	166.00	168.00	870609	0.029	0.044	0.014	0.007	0.023	0.5
G10-13	168.00	170.00	870611	0.0247	0.115	0.014	0.037	0.064	0.5
G10-13	170.00	172.00	870612	0.026	0.057	0.014	0.007	0.036	0.5
G10-13	172.00	174.00	870613	0.1256	0.585	0.046	0.043	0.496	0.5
G10-13	174.00	176.00	870614	0.1038	0.293	0.027	0.041	0.225	0.5

G10-13	176.00	178.00	870615	0.2507	0.855	0.05	0.039	0.766	1.39
G10-13	178.00	180.00	870617	0.7229	1.758	0.095	0.088	1.575	3.35
G10-13	180.00	182.00	870618	0.8326	1.82	0.115	0.117	1.588	6.27
G10-13	182.00	184.00	870619	0.4933	1.508	0.09	0.092	1.326	4.15
G10-13	184.00	186.00	870620	0.6929	1.183	0.053	0.169	0.961	6.09
G10-13	186.00	188.00	870621	0.207	0.26	0.025	0.029	0.206	1.18
G10-13	188.00	190.00	870623	0.2417	0.375	0.035	0.027	0.313	1.26
G10-13	190.00	192.00	870624	0.1013	0.303	0.017	0.026	0.26	1.05
G10-14	2.60	4.00	870625	0.0322	0.058	0.018	0.016	0.024	0.5
G10-14	4.00	6.00	870626	0.0259	0.048	0.012	0.007	0.029	1.99
G10-14	6.00	8.00	870627	0.0292	0.048	0.014	0.007	0.027	0.5
G10-14	8.00	10.00	870628	0.0319	0.067	0.012	0.017	0.038	0.5
G10-14	10.00	12.00	870629	0.0773	0.107	0.015	0.018	0.074	0.5
G10-14	12.00	14.00	870631	0.1485	0.184	0.048	0.007	0.129	0.5
G10-14	14.00	16.00	870632	0.2278	0.627	0.041	0.007	0.579	1.36
G10-14	16.00	18.00	870633	0.1211	0.193	0.026	0.016	0.151	0.5
G10-14	18.00	20.00	870634	0.1854	0.269	0.024	0.021	0.224	1.12
G10-14	20.00	22.00	870635	0.2863	0.395	0.033	0.007	0.355	1.56
G10-14	22.00	24.00	870637	0.1711	0.284	0.024	0.016	0.244	3.21
G10-14	24.00	26.00	870638	0.1905	0.599	0.039	0.031	0.529	1.29
G10-14	26.00	28.00	870639	0.1021	0.305	0.023	0.033	0.249	0.5
G10-14	28.00	30.00	870640	0.0597	0.218	0.023	0.007	0.188	0.5
G10-14	30.00	32.00	870641	0.0294	0.083	0.01	0.007	0.066	0.5
G10-14	32.00	34.00	870643	0.035	0.048	0.012	0.007	0.029	0.5
G10-14	34.00	36.00	870644	0.0207	0.049	0.01	0.007	0.032	2.27
G10-14	36.00	38.00	870645	0.0246	0.049	0.01	0.007	0.032	0.5
G10-14	38.00	40.00	870646	0.0263	0.064	0.028	0.007	0.029	0.5
G10-14	40.00	42.00	870647	0.03	0.067	0.017	0.022	0.028	0.5
G10-14	42.00	44.00	870648	0.0278	0.755	0.719	0.007	0.029	0.5
G10-14	44.00	46.00	870649	0.0278	0.054	0.022	0.007	0.025	0.5
G10-14	46.00	48.00	870650	0.0295	0.099	0.044	0.007	0.048	0.5
G10-14	48.00	50.00	870651	0.5494	1.651	0.093	0.098	1.46	2.7
G10-14	50.00	52.00	870652	0.1738	1.479	0.078	0.084	1.317	1.28
G10-14	52.00	54.00	870654	0.3383	1.384	0.087	0.091	1.206	3.88
G10-14	54.00	56.00	870655	0.1842	0.813	0.048	0.05	0.715	0.5
G10-14	56.00	58.00	870656	0.1978	0.249	0.028	0.02	0.201	0.5
G10-14	58.00	60.00	870657	0.0082	0.02	0.008	0.007	0.005	0.5
G10-14	60.00	62.00	870658	0.0059	0.019	0.007	0.007	0.005	1.02
G10-15	6.00	8.00	870661	0.0296	0.052	0.012	0.018	0.022	0.5
G10-15	8.00	10.00	870662	0.0231	0.039	0.013	0.007	0.019	0.5
G10-15	10.00	12.00	870663	0.028	0.033	0.01	0.007	0.016	0.5
G10-15	12.00	14.00	870664	0.0341	0.075	0.013	0.026	0.036	0.5
G10-15	14.00	16.00	870665	0.1077	0.101	0.018	0.007	0.076	0.5
G10-15	16.00	18.00	870667	0.1314	0.131	0.012	0.02	0.099	0.5
G10-15	18.00	20.00	870668	0.1022	0.155	0.017	0.02	0.118	0.5
G10-15	20.00	22.00	870669	0.115	0.202	0.018	0.017	0.167	0.5
G10-15	22.00	24.00	870670	0.1974	0.315	0.025	0.025	0.265	1.1
G10-15	24.00	26.00	870671	0.1358	0.272	0.027	0.017	0.228	0.5
G10-15	26.00	28.00	870673	0.1488	0.233	0.022	0.024	0.187	1.08
G10-15	28.00	30.00	870674	0.1804	0.395	0.027	0.026	0.342	0.5
G10-15	30.00	32.00	870675	0.1555	0.427	0.031	0.021	0.375	2.96
G10-15	32.00	34.00	870676	0.1298	0.22	0.021	0.021	0.178	0.5
G10-15	34.00	36.00	870677	0.1344	0.202	0.02	0.007	0.175	0.5
G10-15	36.00	38.00	870679	0.0548	0.116	0.016	0.007	0.093	0.5
G10-15	38.00	40.00	870680	0.0308	0.074	0.013	0.018	0.043	0.5
G10-15	40.00	42.00	870681	0.0276	0.059	0.016	0.007	0.036	0.5
G10-15	42.00	44.00	870682	0.0261	0.045	0.014	0.007	0.024	0.5
G10-15	48.00	50.00	870685	0.026	0.046	0.014	0.007	0.025	0.5
G10-15	50.00	52.00	870686	0.0283	0.045	0.016	0.007	0.022	0.5
G10-15	52.00	54.00	870687	0.0306	0.045	0.013	0.007	0.025	0.5
G10-15	54.00	56.00	870688	0.1035	0.522	0.04	0.007	0.475	0.5
G10-15	56.00	58.00	870690	0.7114	2.098	0.125	0.131	1.842	3.59
G10-15	58.00	60.00	870691	0.2476	1.2	0.062	0.057	1.081	1.51
G10-15	60.00	62.00	870692	0.3981	1.014	0.073	0.064	0.877	2.15
G10-15	62.00	64.00	870693	0.347	0.575	0.052	0.007	0.516	1.45
G10-15	64.00	66.00	870694	0.0093	0.025	0.013	0.007	0.005	0.5

G10-15	66.00	68.00	870696	0.0041	0.023	0.011	0.007	0.005	1
G10-16	86.00	88.00	870698	0.0244	0.066	0.013	0.025	0.028	2.08
G10-16	88.00	90.00	870699	0.0233	0.046	0.012	0.007	0.027	1.81
G10-16	90.00	92.00	870700	0.029	0.067	0.01	0.027	0.03	2.12
G10-16	92.00	94.00	870701	0.0312	0.079	0.014	0.025	0.04	1.94
G10-16	94.00	96.00	870702	0.031	0.08	0.01	0.028	0.042	1.92
G10-16	96.00	98.00	870704	0.05	0.081	0.017	0.028	0.036	2.11
G10-16	98.00	100.00	870705	0.1237	0.171	0.039	0.023	0.109	2.46
G10-16	100.00	102.00	870706	0.1164	0.169	0.021	0.042	0.106	2.5
G10-16	102.00	104.00	870707	0.05	0.104	0.012	0.034	0.058	4.95
G10-16	104.00	106.00	870708	0.0511	0.07	0.012	0.018	0.04	2.31
G10-16	106.00	108.00	870710	0.1129	0.189	0.015	0.039	0.135	2.62
G10-16	108.00	110.00	870711	0.1291	0.194	0.018	0.04	0.136	2.86
G10-16	110.00	112.00	870712	0.0946	0.17	0.014	0.045	0.111	2.05
G10-16	112.00	114.00	870713	0.081	0.163	0.017	0.04	0.106	2.04
G10-16	114.00	116.00	870714	0.0435	0.108	0.011	0.034	0.063	2.28
G10-16	116.00	118.00	870716	0.0332	0.129	0.017	0.062	0.05	1.81
G10-16	118.00	120.00	870717	0.0317	0.075	0.014	0.007	0.054	2.08
G10-16	120.00	122.00	870718	0.0432	0.065	0.01	0.007	0.048	1.86
G10-16	122.00	124.00	870719	0.0543	0.103	0.014	0.018	0.071	1.85
G10-16	124.00	126.00	870720	0.0328	0.085	0.019	0.007	0.059	1.75
G10-16	126.00	128.00	870721	0.0315	0.127	0.012	0.022	0.093	1.78
G10-16	128.00	130.00	870722	0.035	0.078	0.011	0.022	0.045	1.85
G10-16	130.00	132.00	870723	0.1003	0.185	0.018	0.023	0.144	2.25
G10-16	132.00	134.00	870724	0.1446	0.237	0.024	0.007	0.206	2.13
G10-16	134.00	136.00	870725	0.1489	0.267	0.028	0.025	0.214	4.12
G10-16	136.00	138.00	870727	0.0605	0.098	0.012	0.02	0.066	2.19
G10-16	138.00	140.00	870728	0.1004	0.428	0.032	0.035	0.361	2.32
G10-16	140.00	142.00	870729	0.0714	0.112	0.01	0.022	0.08	2.74
G10-16	142.00	144.00	870730	0.0365	0.163	0.033	0.022	0.108	1.98
G10-16	144.00	146.00	870731	0.0324	0.11	0.016	0.022	0.072	2.09
G10-16	146.00	148.00	870733	0.027	0.103	0.013	0.03	0.06	1.8
G10-16	148.00	150.00	870734	0.0209	0.074	0.018	0.017	0.039	1.57
G10-16	150.00	152.00	870735	0.0425	0.057	0.01	0.007	0.04	1.87
G10-16	152.00	154.00	870736	0.022	0.058	0.012	0.018	0.028	1.89
G10-16	154.00	156.00	870737	0.0238	0.038	0.011	0.007	0.02	1.99
G10-16	156.00	158.00	870739	0.0229	0.046	0.012	0.007	0.027	1.95
G10-16	158.00	160.00	870740	0.0264	0.066	0.016	0.017	0.033	1.89
G10-16	160.00	162.00	870741	0.026	0.05	0.011	0.016	0.023	2.01
G10-16	162.00	164.00	870742	0.0243	0.044	0.012	0.007	0.025	2.26
G10-16	164.00	166.00	870743	0.0269	0.065	0.012	0.007	0.046	1.86
G10-16	166.00	168.00	870744	0.0228	0.066	0.011	0.007	0.048	1.91
G10-16	168.00	170.00	870745	0.2208	0.404	0.031	0.026	0.347	3.64
G10-16	170.00	172.00	870746	0.1819	0.643	0.053	0.024	0.566	2.45
G10-16	172.00	174.00	870747	0.7534	1.174	0.062	0.051	1.061	5.48
G10-16	174.00	176.00	870749	0.5832	0.795	0.045	0.007	0.743	4.43
G10-16	176.00	178.00	870750	0.4038	0.534	0.042	0.04	0.452	3.56
G10-16	178.00	180.00	870751	0.1475	0.203	0.017	0.007	0.179	2.44
G10-16	180.00	182.00	870752	0.0179	0.03	0.006	0.007	0.017	1.82
G10-16	182.00	184.00	870753	0.0378	0.05	0.007	0.007	0.036	1.84
G10-16	184.00	186.00	870755	0.128	0.258	0.019	0.02	0.219	2.48
G10-16	186.00	188.00	870756	0.2546	0.821	0.046	0.033	0.742	3.36
G10-16	188.00	190.00	870757	0.5893	1.438	0.099	0.083	1.256	4.83
G10-16	190.00	192.00	870758	0.7633	1.53	0.083	0.088	1.359	5.27
G10-16	192.00	194.00	870759	0.5191	0.706	0.043	0.039	0.624	4.08
G10-16	194.00	196.00	870761	0.6411	1.403	0.102	0.059	1.242	5.5
G10-16	196.00	198.00	870762	0.5477	1.016	0.053	0.053	0.91	4.83
G10-16	198.00	200.00	870763	0.3872	0.667	0.038	0.047	0.582	4.75
G10-16	200.00	202.00	870764	0.4432	0.578	0.034	0.046	0.498	3.96
G10-16	202.00	204.00	870765	0.613	1.081	0.067	0.073	0.941	4.41
G10-16	204.00	206.00	870766	1.0329	2.423	0.087	0.074	2.262	7.77
G10-16	206.00	208.00	870767	0.4249	1.406	0.112	0.106	1.188	3.56
G10-16	208.00	210.00	870768	0.5266	0.796	0.059	0.042	0.695	4.21
G10-16	210.00	212.00	870769	0.3347	0.761	0.04	0.082	0.639	3.43
G10-16	212.00	214.00	870770	0.3841	0.49	0.048	0.076	0.366	4.31
G10-16	214.00	216.00	870772	0.6567	1.74	0.104	0.077	1.559	5.42

G10-16	216.00	218.00	870773	0.408	0.679	0.046	0.039	0.594	4.24
G10-16	218.00	220.00	870774	1.0536	3.039	0.288	0.157	2.594	8.04
G10-16	220.00	222.00	870775	0.6047	1.566	0.078	0.071	1.417	4.58
G10-16	222.00	224.00	870776	0.5115	0.894	0.055	0.035	0.804	4.06
G10-16	224.00	225.00	870778	0.1487	0.225	0.019	0.007	0.199	2.34
G10-17	100.00	102.00	870780	0.0278	0.067	0.022	0.021	0.024	2.01
G10-17	102.00	104.00	870781	0.0265	0.066	0.012	0.021	0.033	2.01
G10-17	104.00	106.00	870782	0.0454	0.084	0.013	0.027	0.044	2.01
G10-17	106.00	108.00	870783	0.0326	0.058	0.01	0.018	0.03	1.89
G10-17	108.00	110.00	870784	0.0474	0.08	0.011	0.028	0.041	2.21
G10-17	110.00	112.00	870786	0.081	0.102	0.015	0.016	0.071	2.1
G10-17	112.00	114.00	870787	0.1114	0.14	0.015	0.031	0.094	2.38
G10-17	114.00	116.00	870788	0.0704	0.096	0.016	0.007	0.073	2.04
G10-17	116.00	118.00	870789	0.0673	0.116	0.02	0.007	0.089	2.66
G10-17	118.00	120.00	870790	0.0721	0.117	0.013	0.02	0.084	2.21
G10-17	120.00	122.00	870792	0.228	0.267	0.02	0.028	0.219	3.57
G10-17	122.00	124.00	870793	0.15	0.193	0.025	0.021	0.147	2.61
G10-17	124.00	126.00	870794	0.0754	0.178	0.069	0.027	0.082	3.04
G10-17	126.00	128.00	870795	0.0603	0.102	0.02	0.017	0.065	2.18
G10-17	128.00	130.00	870796	0.0385	0.052	0.011	0.007	0.034	2.25
G10-17	130.00	132.00	870798	0.0419	0.068	0.018	0.007	0.043	2.14
G10-17	132.00	134.00	870799	0.0414	0.091	0.011	0.016	0.064	2.2
G10-17	134.00	136.00	870800	0.0527	0.088	0.012	0.023	0.053	1.99
G10-17	136.00	138.00	870801	0.0394	0.059	0.01	0.007	0.042	2.04
G10-17	138.00	140.00	870802	0.0444	0.053	0.011	0.007	0.035	1.98
G10-17	140.00	142.00	870803	0.0374	0.083	0.017	0.007	0.059	2.16
G10-17	142.00	144.00	870804	0.041	0.07	0.014	0.007	0.049	2
G10-17	144.00	146.00	870805	0.065	0.092	0.012	0.007	0.073	2.3
G10-17	146.00	148.00	870806	0.1196	0.197	0.016	0.007	0.174	3.06
G10-17	148.00	150.00	870807	0.3392	0.339	0.029	0.031	0.279	3.48
G10-17	150.00	152.00	870809	0.0956	0.093	0.01	0.03	0.053	2.29
G10-17	152.00	154.00	870810	0.037	0.118	0.015	0.028	0.075	2.21
G10-17	154.00	156.00	870811	0.0626	0.365	0.026	0.062	0.277	2.79
G10-17	156.00	158.00	870812	0.0682	0.238	0.021	0.032	0.185	2.4
G10-17	158.00	160.00	870813	0.0465	0.166	0.025	0.027	0.114	2.3
G10-17	160.00	162.00	870815	0.031	0.167	0.014	0.027	0.126	2.22
G10-17	162.00	164.00	870816	0.0334	0.18	0.015	0.03	0.135	2.24
G10-17	164.00	166.00	870817	0.0211	0.085	0.011	0.039	0.035	2.36
G10-17	166.00	168.00	870818	0.0199	0.051	0.012	0.007	0.032	2.12
G10-17	168.00	170.00	870819	0.0189	0.091	0.02	0.026	0.045	2.26
G10-17	170.00	172.00	870821	0.0299	0.047	0.015	0.007	0.025	1.99
G10-17	172.00	174.00	870822	0.0307	0.037	0.009	0.007	0.021	2.19
G10-17	174.00	176.00	870823	0.0265	0.042	0.01	0.007	0.025	1.91
G10-17	176.00	178.00	870824	0.0257	0.059	0.013	0.018	0.028	1.81
G10-17	178.00	180.00	870825	0.0327	0.07	0.012	0.026	0.032	1.97
G10-17	180.00	182.00	870826	0.0284	0.067	0.013	0.03	0.024	1.86
G10-17	182.00	184.00	870827	0.0021	0.068	0.043	0.02	0.005	1.7
G10-17	184.00	186.00	870828	0.0027	0.014	0.002	0.007	0.005	1.71
G10-17	186.00	188.00	870829	0.0201	0.045	0.008	0.021	0.016	1.76
G10-17	188.00	190.00	870831	0.0238	0.051	0.01	0.007	0.034	1.77
G10-17	190.00	192.00	870832	0.0279	0.081	0.023	0.007	0.051	1.93
G10-17	192.00	194.00	870833	0.0607	0.174	0.002	0.027	0.145	2.23
G10-17	194.00	196.00	870834	0.2599	0.85	0.105	0.076	0.669	5.95
G10-17	196.00	198.00	870835	0.5449	0.966	0.058	0.065	0.843	4.51
G10-17	198.00	200.00	870837	0.599	0.769	0.036	0.032	0.701	4.23
G10-17	200.00	202.00	870838	0.2645	0.322	0.033	0.017	0.272	3.07
G10-17	202.00	204.00	870839	0.26	0.268	0.01	0.007	0.251	3.38
G10-17	204.00	206.00	870840	0.1352	0.199	0.018	0.015	0.166	2.46
G10-17	206.00	208.00	870841	0.1856	0.172	0.016	0.007	0.149	2.68
G10-17	208.00	210.00	870843	0.0933	0.123	0.016	0.007	0.1	2.36
G10-17	210.00	212.00	870844	0.1694	0.194	0.02	0.007	0.167	2.86
G10-17	212.00	214.00	870845	0.2237	0.302	0.024	0.007	0.271	3.29
G10-17	214.00	216.00	870846	0.2506	0.527	0.015	0.007	0.505	3.26
G10-17	216.00	218.00	870847	0.8023	1.937	0.027	0.085	1.825	6.05
G10-17	218.00	220.00	870848	0.4621	0.863	0.055	0.052	0.756	4.28
G10-17	220.00	222.00	870849	0.5711	1.165	0.071	0.071	1.023	4.81

G10-17	222.00	224.00	870850	0.5163	1.111	0.065	0.065	0.981	4.46
G10-17	224.00	226.00	870851	0.7459	1.329	0.063	0.066	1.2	5.13
G10-17	226.00	228.00	870852	0.6285	1.365	0.078	0.081	1.206	5.47
G10-17	228.00	230.00	870854	1.1043	2.009	0.106	0.089	1.814	7.29
G10-17	230.00	232.00	870855	0.5979	1.341	0.078	0.073	1.19	4.68
G10-17	232.00	234.00	870856	0.4332	0.835	0.052	0.079	0.704	4.99
G10-17	234.00	236.00	870857	0.4825	0.794	0.045	0.081	0.668	4.93
G10-17	236.00	238.00	870858	1.0064	1.641	0.075	0.119	1.447	6.83
G10-17	238.00	240.00	870860	0.8774	2.505	0.15	0.151	2.204	6.44
G10-17	240.00	242.00	870861	0.6787	1.76	0.127	0.098	1.535	5.06
G10-17	242.00	244.00	870862	0.4536	0.954	0.064	0.069	0.821	3.9
G10-17	244.00	246.00	870863	0.4018	0.635	0.042	0.04	0.553	3.97
G10-17	246.00	248.00	870864	0.1555	0.333	0.027	0.035	0.271	3.29
G10-18	72.00	74.00	870866	0.0302	0.052	0.015	0.007	0.03	0.5
G10-18	74.00	76.00	870867	0.0437	0.067	0.009	0.007	0.051	0.5
G10-18	76.00	78.00	870868	0.1551	0.161	0.02	0.007	0.134	0.5
G10-18	78.00	80.00	870869	0.0879	0.071	0.011	0.007	0.053	0.5
G10-18	80.00	82.00	870870	0.057	0.104	0.042	0.007	0.055	0.5
G10-18	82.00	84.00	870872	0.0611	0.08	0.013	0.007	0.06	0.5
G10-18	84.00	86.00	870873	0.0895	0.126	0.012	0.007	0.107	0.5
G10-18	86.00	88.00	870874	0.1067	0.164	0.02	0.007	0.137	0.5
G10-18	88.00	90.00	870875	0.0882	0.145	0.015	0.016	0.114	0.5
G10-18	90.00	92.00	870876	0.0733	0.103	0.012	0.016	0.075	0.5
G10-18	92.00	94.00	870878	0.0415	0.068	0.013	0.007	0.048	0.5
G10-18	94.00	96.00	870879	0.0563	0.09	0.013	0.007	0.07	0.5
G10-18	96.00	98.00	870880	0.0478	0.179	0.013	0.007	0.159	0.5
G10-18	98.00	100.00	870881	0.0477	0.134	0.013	0.024	0.097	0.5
G10-18	100.00	102.00	870882	0.0529	0.076	0.013	0.007	0.056	0.5
G10-18	102.00	104.00	870884	0.0407	0.087	0.013	0.018	0.056	0.5
G10-18	104.00	106.00	870885	0.1037	0.231	0.018	0.018	0.195	0.5
G10-18	106.00	108.00	870886	0.0485	0.091	0.008	0.019	0.064	0.5
G10-18	108.00	110.00	870887	0.1049	0.177	0.015	0.029	0.133	0.5
G10-18	110.00	112.00	870888	0.081	0.295	0.022	0.032	0.241	0.5
G10-18	112.00	114.00	870889	0.0644	0.255	0.019	0.021	0.215	0.5
G10-18	114.00	116.00	870890	0.041	0.103	0.018	0.007	0.078	0.5
G10-18	116.00	118.00	870891	0.1504	0.403	0.034	0.022	0.347	1.12
G10-18	118.00	120.00	870892	0.1056	0.304	0.026	0.019	0.259	0.5
G10-18	120.00	122.00	870893	0.0213	0.066	0.015	0.007	0.044	0.5
G10-18	122.00	124.00	870895	0.0227	0.091	0.022	0.007	0.062	0.5
G10-18	124.00	126.00	870896	0.0246	0.074	0.021	0.007	0.046	0.5
G10-18	126.00	128.00	870897	0.0238	0.064	0.014	0.007	0.043	0.5
G10-18	128.00	130.00	870898	0.025	0.047	0.015	0.007	0.025	0.5
G10-18	130.00	132.00	870899	0.0281	0.046	0.016	0.007	0.023	0.5
G10-18	132.00	134.00	870901	0.0263	0.051	0.014	0.007	0.03	0.5
G10-18	134.00	136.00	870902	0.0246	0.054	0.011	0.007	0.036	0.5
G10-18	136.00	138.00	870903	0.0268	0.089	0.012	0.007	0.07	0.5
G10-18	138.00	140.00	870904	0.049	0.222	0.017	0.018	0.187	0.5
G10-18	140.00	142.00	870905	0.1852	0.385	0.023	0.03	0.332	0.5
G10-18	142.00	144.00	870907	0.1694	0.278	0.022	0.019	0.237	1.14
G10-18	144.00	146.00	870908	0.5958	0.885	0.054	0.045	0.786	2.73
G10-18	146.00	148.00	870909	0.3839	0.404	0.028	0.028	0.348	1.99
G10-18	148.00	150.00	870910	0.3199	0.376	0.035	0.021	0.32	1.38
G10-18	150.00	152.00	870911	0.3411	0.427	0.035	0.033	0.359	1.78
G10-18	152.00	154.00	870912	0.134	0.316	0.066	0.007	0.243	1.08
G10-18	154.00	156.00	870913	0.1378	0.233	0.023	0.017	0.193	1.37
G10-18	156.00	158.00	870914	0.1778	0.346	0.027	0.019	0.3	0.5
G10-18	158.00	160.00	870915	0.0618	0.16	0.014	0.023	0.123	0.5
G10-18	160.00	162.00	870917	0.0673	0.089	0.012	0.007	0.07	0.5
G10-18	162.00	164.00	870918	0.0547	0.103	0.026	0.007	0.07	0.5
G10-18	164.00	166.00	870919	0.0793	0.155	0.019	0.007	0.129	0.5
G10-18	166.00	168.00	870920	0.0707	0.096	0.014	0.007	0.075	0.5
G10-18	168.00	170.00	870921	0.0763	0.122	0.015	0.007	0.1	0.5
G10-18	170.00	172.00	870923	0.1903	0.45	0.024	0.037	0.389	0.5
G10-18	172.00	174.00	870924	0.1195	1.03	0.049	0.068	0.913	0.5
G10-18	174.00	176.00	870925	0.3069	0.908	0.059	0.05	0.799	1.79
G10-18	176.00	178.00	870926	0.5868	1.523	0.096	0.089	1.338	3.21

G10-18	178.00	180.00	870927	0.1856	0.561	0.036	0.037	0.488	1.29
G10-18	180.00	182.00	870929	0.3019	0.958	0.061	0.049	0.848	1.64
G10-18	182.00	184.00	870930	0.3382	1.096	0.059	0.068	0.969	1.76
G10-18	184.00	186.00	870931	0.4368	1.407	0.083	0.089	1.235	2.32
G10-18	186.00	188.00	870932	0.5419	1.307	0.074	0.072	1.161	2.67
G10-18	188.00	190.00	870933	0.8784	1.727	0.104	0.09	1.533	4.42
G10-18	190.00	192.00	870934	0.8303	1.401	0.091	0.07	1.24	4.85
G10-18	192.00	194.00	870935	0.4031	1.351	0.073	0.078	1.2	2.72
G10-18	194.00	196.00	870936	0.4072	0.708	0.042	0.043	0.623	1.88
G10-18	196.00	198.00	870937	0.3725	0.55	0.031	0.033	0.486	1.76
G10-18	198.00	200.00	870938	0.0314	0.063	0.009	0.007	0.047	0.5
G10-19	72.00	74.00	870942	0.0314	0.043	0.014	0.007	0.022	0.5
G10-19	74.00	76.00	870943	0.0445	0.045	0.011	0.007	0.027	0.5
G10-19	76.00	78.00	870944	0.0768	0.1	0.013	0.017	0.07	0.5
G10-19	78.00	80.00	870945	0.1174	0.093	0.014	0.007	0.072	0.5
G10-19	80.00	82.00	870946	0.0653	0.083	0.015	0.007	0.061	0.5
G10-19	82.00	84.00	870948	0.0467	0.065	0.011	0.016	0.038	0.5
G10-19	84.00	86.00	870949	0.0881	0.099	0.014	0.007	0.078	0.5
G10-19	86.00	88.00	870950	0.1184	0.143	0.024	0.022	0.097	0.5
G10-19	88.00	90.00	870951	0.1355	0.154	0.017	0.029	0.108	0.5
G10-19	90.00	92.00	870952	0.079	0.109	0.016	0.007	0.086	0.5
G10-19	92.00	94.00	870954	0.0441	0.079	0.012	0.02	0.047	0.5
G10-19	94.00	96.00	870955	0.0266	0.067	0.012	0.015	0.04	0.5
G10-19	96.00	98.00	870956	0.0479	0.074	0.012	0.007	0.055	0.5
G10-19	98.00	100.00	870957	0.0537	0.076	0.021	0.007	0.048	0.5
G10-19	100.00	102.00	870958	0.0344	0.052	0.013	0.007	0.032	0.5
G10-19	102.00	104.00	870960	0.0474	0.066	0.015	0.007	0.044	0.5
G10-19	104.00	106.00	870961	0.0479	0.104	0.014	0.007	0.083	0.5
G10-19	106.00	108.00	870962	0.054	0.072	0.012	0.007	0.053	0.5
G10-19	108.00	110.00	870963	0.1325	0.189	0.017	0.007	0.165	0.5
G10-19	110.00	112.00	870964	0.1262	0.141	0.016	0.007	0.118	0.5
G10-19	112.00	114.00	870965	0.1826	0.328	0.024	0.026	0.278	1.12
G10-19	114.00	116.00	870966	0.0309	0.105	0.012	0.007	0.086	0.5
G10-19	116.00	118.00	870967	0.16	0.485	0.033	0.049	0.403	1.83
G10-19	118.00	120.00	870968	0.0596	0.208	0.02	0.026	0.162	0.5
G10-19	120.00	122.00	870969	0.0322	0.261	0.027	0.022	0.212	0.5
G10-19	122.00	124.00	870971	0.0294	0.147	0.015	0.023	0.109	0.5
G10-19	124.00	126.00	870972	0.0241	0.088	0.016	0.007	0.065	0.5
G10-19	126.00	128.00	870973	0.0214	0.057	0.014	0.007	0.036	0.5
G10-19	128.00	130.00	870974	0.0234	0.051	0.009	0.007	0.035	0.5
G10-19	130.00	132.00	870975	0.0247	0.039	0.009	0.007	0.023	0.5
G10-19	132.00	134.00	870977	0.025	0.037	0.008	0.007	0.022	0.5
G10-19	134.00	136.00	870978	0.026	0.05	0.015	0.007	0.028	0.5
G10-19	136.00	138.00	870979	0.027	0.04	0.008	0.007	0.025	0.5
G10-19	138.00	140.00	870980	0.028	0.084	0.009	0.007	0.068	0.5
G10-19	140.00	142.00	870981	0.1775	0.32	0.027	0.007	0.286	1.28
G10-19	142.00	144.00	870983	0.2373	0.831	0.045	0.036	0.75	1.23
G10-19	144.00	146.00	870984	0.6464	1.011	0.06	0.039	0.912	3.97
G10-19	146.00	148.00	870985	0.3331	0.583	0.035	0.029	0.519	1.5
G10-19	148.00	150.00	870986	0.5203	0.549	0.035	0.023	0.491	2.48
G10-19	150.00	152.00	870987	0.1055	0.146	0.013	0.007	0.126	0.5
G10-19	152.00	154.00	870988	0.0741	0.113	0.016	0.007	0.09	0.5
G10-19	154.00	156.00	870989	0.1184	0.19	0.018	0.007	0.165	0.5
G10-19	156.00	158.00	870990	0.2119	0.652	0.044	0.027	0.581	1.38
G10-19	158.00	160.00	870991	0.2534	0.626	0.06	0.047	0.519	1.34
G10-19	160.00	162.00	870993	0.3024	0.667	0.043	0.035	0.589	3.06
G10-19	162.00	164.00	870994	0.5341	1.298	0.058	0.058	1.182	2.94
G10-19	164.00	166.00	870995	0.7226	1.406	0.058	0.068	1.28	3.27
G10-19	166.00	168.00	870996	0.9997	1.465	0.087	0.097	1.281	4.92
G10-19	168.00	170.00	870997	0.7109	1.373	0.101	0.084	1.188	4.44
G10-19	170.00	172.00	870999	0.5889	0.821	0.049	0.046	0.726	2.91
G10-19	172.00	174.00	871000	0.4221	0.584	0.036	0.021	0.527	1.44
G10-19	174.00	176.00	871001	0.4217	0.484	0.036	0.018	0.43	1.01
G10-19	176.00	178.00	871002	0.3508	0.33	0.029	0.007	0.294	0.5
G10-19	178.00	180.00	871003	0.2902	0.53	0.044	0.021	0.465	0.5
G10-20	64.00	66.00	871005	0.0372	0.054	0.013	0.007	0.034	0.5

G10-20	66.00	68.00	871006	0.1107	0.114	0.017	0.007	0.09	0.5
G10-20	68.00	70.00	871007	0.128	0.114	0.014	0.017	0.083	1.25
G10-20	70.00	72.00	871008	0.1937	0.251	0.02	0.018	0.213	1.26
G10-20	72.00	74.00	871009	0.208	0.263	0.022	0.018	0.223	0.5
G10-20	74.00	76.00	871011	0.1382	0.211	0.025	0.007	0.179	0.5
G10-20	76.00	78.00	871012	0.037	0.069	0.033	0.007	0.029	0.5
G10-20	78.00	80.00	871013	0.0444	0.057	0.015	0.007	0.035	0.5
G10-20	80.00	82.00	871014	0.0483	0.058	0.011	0.007	0.04	0.5
G10-20	82.00	84.00	871015	0.0506	0.112	0.016	0.007	0.089	0.5
G10-20	84.00	86.00	871017	0.0811	0.134	0.017	0.007	0.11	0.5
G10-20	86.00	88.00	871018	0.1501	0.111	0.022	0.007	0.082	0.5
G10-20	88.00	90.00	871019	0.1529	0.273	0.03	0.022	0.221	0.5
G10-20	90.00	92.00	871020	0.0814	0.207	0.028	0.007	0.172	0.5
G10-20	92.00	94.00	871021	0.067	0.138	0.015	0.007	0.116	0.5
G10-20	94.00	96.00	871023	0.0627	0.144	0.022	0.007	0.115	0.5
G10-20	96.00	98.00	871024	0.082	0.107	0.014	0.007	0.086	0.5
G10-20	98.00	100.00	871025	0.0108	0.071	0.007	0.019	0.045	0.5
G10-20	100.00	102.00	871026	0.0247	0.082	0.011	0.007	0.064	0.5
G10-20	102.00	104.00	871027	0.0269	0.059	0.01	0.007	0.042	0.5
G10-20	104.00	106.00	871028	0.1	0.41	0.024	0.018	0.368	0.5
G10-20	106.00	108.00	871029	0.0521	0.271	0.026	0.015	0.23	0.5
G10-20	108.00	110.00	871030	0.0159	0.088	0.01	0.007	0.071	0.5
G10-20	110.00	112.00	871031	0.0231	0.085	0.013	0.007	0.065	0.5
G10-20	112.00	114.00	871032	0.0273	0.053	0.018	0.007	0.028	0.5
G10-20	114.00	116.00	871034	0.0239	0.044	0.008	0.007	0.029	0.5
G10-20	116.00	118.00	871035	0.0257	0.045	0.014	0.007	0.024	0.5
G10-20	118.00	120.00	871036	0.051	0.138	0.015	0.007	0.116	0.5
G10-20	120.00	122.00	871037	0.0334	0.14	0.012	0.007	0.121	0.5
G10-20	122.00	124.00	871038	0.1153	0.435	0.036	0.029	0.37	0.5
G10-20	124.00	126.00	871040	0.6523	0.898	0.048	0.018	0.832	3.25
G10-20	126.00	128.00	871041	0.5142	0.632	0.048	0.007	0.577	2.19
G10-20	128.00	130.00	871042	0.5278	0.798	0.064	0.025	0.709	2.34
G10-20	130.00	132.00	871043	0.3685	0.588	0.048	0.023	0.517	1.62
G10-20	132.00	134.00	871044	0.1351	0.239	0.022	0.021	0.196	0.5
G10-20	134.00	136.00	871046	0.1725	0.232	0.022	0.033	0.177	0.5
G10-20	136.00	138.00	871047	0.255	0.557	0.041	0.038	0.478	1.17
G10-20	138.00	140.00	871048	0.2816	0.76	0.047	0.04	0.673	1.33
G10-20	140.00	142.00	871049	0.1929	0.375	0.03	0.032	0.313	0.5
G10-20	142.00	144.00	871050	0.227	0.432	0.039	0.02	0.373	0.5
G10-20	144.00	146.00	871051	0.0567	0.364	0.029	0.007	0.328	0.5
G10-20	146.00	148.00	871052	0.0546	0.587	0.045	0.023	0.519	0.5
G10-20	148.00	150.00	871053	0.1476	0.684	0.049	0.043	0.592	0.5
G10-20	150.00	152.00	871054	0.1573	0.403	0.028	0.021	0.354	1.31
G10-20	152.00	154.00	871056	0.3361	0.651	0.036	0.028	0.587	1.13
G10-20	154.00	156.00	871057	0.436	0.453	0.031	0.023	0.399	1.52
G10-20	156.00	158.00	871058	0.3509	0.525	0.039	0.036	0.45	1.33
G10-20	158.00	160.00	871059	0.9582	1.347	0.092	0.062	1.193	4.48
G10-20	160.00	162.00	871060	0.7407	0.898	0.059	0.046	0.793	2.67
G10-20	162.00	164.00	871062	0.5471	0.998	0.061	0.048	0.889	2.11
G10-20	164.00	166.00	871063	0.3937	0.803	0.062	0.04	0.701	1.48
G10-20	166.00	168.00	871064	0.3177	0.731	0.045	0.038	0.648	0.5
G10-20	168.00	170.00	871065	0.4574	1.25	0.081	0.06	1.109	2.21
G10-20	170.00	172.00	871066	0.6671	1.409	0.093	0.066	1.25	2.64
G10-20	172.00	174.00	871068	0.5619	0.863	0.061	0.037	0.765	2.3
G10-20	174.00	176.00	871069	0.8844	0.881	0.044	0.045	0.792	2.84
G10-20	176.00	178.00	871070	0.8625	0.574	0.033	0.022	0.519	1.56
G10-20	178.00	180.00	871071	0.1537	0.176	0.01	0.007	0.159	0.5
G10-21	2.85	5.00	871072	0.021	0.036	0.018	0.007	0.011	0.5
G10-21	5.00	7.00	871073	0.0297	0.025	0.013	0.007	0.005	0.5
G10-21	7.00	9.00	871074	0.0246	0.052	0.011	0.007	0.034	0.5
G10-21	9.00	11.00	871075	0.025	0.041	0.006	0.007	0.028	0.5
G10-21	11.00	13.00	871076	0.0274	0.027	0.006	0.007	0.014	0.5
G10-21	13.00	15.00	871078	0.0224	0.039	0.006	0.007	0.026	0.5
G10-21	15.00	17.00	871079	0.0252	0.046	0.008	0.007	0.031	0.5
G10-21	17.00	19.00	871080	0.0323	0.065	0.011	0.007	0.047	0.5
G10-21	19.00	21.00	871081	0.0302	0.096	0.011	0.007	0.078	0.5

G10-21	21.00	23.00	871082	0.1213	0.344	0.025	0.017	0.302	0.5
G10-21	23.00	25.00	871084	0.3008	0.399	0.026	0.007	0.366	1.2
G10-21	25.00	27.00	871085	0.5257	0.519	0.034	0.026	0.459	1.89
G10-21	27.00	29.00	871086	0.3176	0.461	0.029	0.02	0.412	1.34
G10-21	29.00	31.00	871087	0.3941	0.368	0.031	0.007	0.33	1.81
G10-21	31.00	33.00	871088	0.1134	0.139	0.015	0.007	0.117	0.5
G10-21	33.00	35.00	871090	0.1178	0.171	0.017	0.007	0.147	0.5
G10-21	35.00	37.00	871091	0.0841	0.157	0.015	0.007	0.135	0.5
G10-21	37.00	39.00	871092	0.2907	1.034	0.06	0.054	0.92	1.49
G10-21	39.00	41.00	871093	0.412	1.279	0.067	0.051	1.161	2.27
G10-21	41.00	43.00	871094	0.3402	1.255	0.064	0.061	1.13	1.55
G10-21	43.00	45.00	871095	0.159	0.506	0.03	0.007	0.469	0.5
G10-21	45.00	47.00	871096	0.012	0.03	0.007	0.007	0.016	0.5
G10-21	47.00	49.00	871097	0.0085	0.025	0.007	0.007	0.011	0.5
G10-21	49.00	51.00	871098	0.0085	0.018	0.006	0.007	0.005	0.5
G10-21	51.00	53.00	871099	0.3095	0.553	0.033	0.018	0.502	1.11
G10-21	53.00	55.00	871101	0.2991	0.342	0.034	0.007	0.301	0.5
G10-21	55.00	57.00	871102	0.2004	0.438	0.025	0.018	0.395	0.5
G10-21	57.00	59.00	871103	0.1306	0.281	0.02	0.007	0.254	1.2
G10-21	59.00	61.00	871104	0.1982	0.335	0.051	0.007	0.277	0.5
G10-21	61.00	63.00	871105	0.457	0.602	0.049	0.03	0.523	1.12
G10-21	63.00	65.00	871107	0.3469	0.647	0.06	0.018	0.569	0.5
G10-21	65.00	67.00	871108	0.195	0.576	0.035	0.022	0.519	0.5
G10-21	67.00	69.00	871109	0.1151	0.29	0.024	0.007	0.259	0.5
G10-21	69.00	71.00	871110	0.3758	0.57	0.035	0.027	0.508	1.3
G10-21	71.00	73.00	871111	0.4405	0.551	0.039	0.031	0.481	1.4
G10-21	73.00	75.00	871113	0.6505	0.823	0.046	0.035	0.742	2.32
G10-21	75.00	77.00	871114	0.9266	1.14	0.069	0.054	1.017	3.47
G10-21	77.00	79.00	871115	0.6836	0.633	0.041	0.028	0.564	1.92
G10-21	79.00	81.00	871116	0.0868	0.089	0.017	0.007	0.065	0.5

Appendix B – Compilation of Diamond Drill Logs for 2010 drilling

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

DDH:G-10-01

NTS:		**42 D / 16**
UTM	**Northing**	**5407570**
(Nad27)	**Easting**	**537750**
Elevation (m):		**348 m**
Dip at Collar:		**-45**
Azimuth:		**90**
Total Depth:		**96 m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
50 m	-45.5	
96 m	-45.5	

Property:	**Geordie Lake**
Zone:	
Date start:	**21-Jan-10**
Date finish:	**23-Jan-10**
Contractor:	**CABO DRILLING**
Logged by:	**David Leng/Rachel Epstein**

GEOLOGY						Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	4.50	CAS - Casing		Poor ground conditions at collar due to boulders from set up work			870001		4.50	6.00	1.50	6	7	159		172	<1	0.0522	522	83
4.50	28.27	3b - Heterogeneous gabbro with skeletal magnetite			0.5% to 1% disseminated sulphides		870002		6.00	8.00	2.00	31	7	564		602	<1	0.0621	621	139
				medium to coarse grained (plag-pyrx-olv) with moderate to sparse semi-massive bands of		sparse/localized patches of 2-5 mm cpy grains	870003		8.00	10.00	2.00	37	43	766		846	<1	0.2249	2249	157
				skeletal magnetite forming 5-10 cm bands (locally 20-40%)		trace 1-2 mm grains of bornite	870004		10.00	12.00	2.00	25	23	611		659	2.24	0.5531	5531	139
				texture - locally variable sub/ophitic; albite is pervasive - locally forming 5-15 cm bands			870005		12.00	14.00	2.00	41	7	406		454	2.14	0.5141	5141	142
				chlorite alteration is moderate, typically as fracture fill (variable to CA), localized narrow bands of 0.5-1.0 cm			870006	d	12.00	14.00	2.00	39	17	531		587	2.32	0.6018	6018	157
				intense chl present as a heavy clay			870007		14.00	16.00	2.00	60	27	566		653	2.65	0.7046	7046	174
28.27	29.80	5a - Quartz syenite					870008		16.00	18.00	2.00	40	7	583		630	2.31	0.5435	5435	137
				from 28.27-29.80 m, fine grained pale grey/pink with sharp bounding contacts		no visible sulphides	870009		18.00	20.00	2.00	25	7	302		334	<1	0.1404	1404	117
29.80	35.30	3b - Heterogeneous gabbro with skeletal magnetite			0.5% to 1% disseminated sulphides		870010		20.00	22.00	2.00	41	7	601		649	1.4	0.3127	3127	131
				medium to coarse grained (plag-pyrx-olv), minor 3-5 cm patches of skeletal magnetite		sparse patches of coarse (2-5 mm) grains of cpy, minor	870011		22.00	24.00	2.00	65	36	664		765	2.18	0.44	4400	152
				texture is locally variable from sub/ophitic; pervasive albite - locally forming 5-15 cm bands		bands of cpy up to 5 mm thick as fracture fill	870012	b				2	7	5		14	1.48	0.0002	2	1
			3a - Heterogeneous gabbro with patchy to pervasive albite				870013		24.00	26.00	2.00	42	46	535		623	2.35	0.3557	3557	145
				from 33.82-35.30 m			870014		26.00	28.00	2.00	57	23	414		494	1.97	0.384	3840	156
				medium grained (olv-plag-pyrx), moderate to euhedral magnetite	0.5% to 1% disseminated sulphides		870015		28.00	30.00	2.00	15	7	168		190	1.1	0.1179	1179	69
						sparse patches of coarse (1-5 mm) grains of cpy, minor amou	870016		30.00	32.00	2.00	70	52	838		960	2.43	0.5263	5263	203
						of thin cpy stringers (1-3 mm) along fractures	870017		32.00	34.00	2.00	108	46	896		1050	3.35	0.5519	5519	202
35.30	36.18	4a - Amphibole kspar porphyry dikelet					870018	mpg1				297	988	3481		4766	3.34	0.7015	7015	451
				from 35.30-36.18 m, chlorite filled pyroxene (?) crystals with altered plags laths in f.g. groundmass		no visible sulphides	870019		34.00	36.00	2.00	25	18	568		611	<1	0.3148	3148	118
				with sharp bounding contacts between 3a and 5a			870020		36.00	38.00	2.00	8	7	5		20	<1	0.0049	49	7
36.18	54.90	5a - Quartz syenite					870021		38.00	40.00	2.00	2	7	5		14	<1	0.0035	35	6
				very fine to fine grained pale grey/pink colour, minor carbonate fracture fill		no visible sulphides	870022		40.00	42.00	2.00	16	7	5		28	<1	0.0023	23	5
				increase in chlorite alteration approaching fault zone																
54.90	60.90	4a - Amphibole kspar porphyry dikelet				no visible sulphides														
				the dikelet is cross cutting the syenite and shows strong alteration on margins																
				from 54.90-55.60 relict grain boundaries from strong chlorite alteration																
				from 57.90-60.90 chlorite filled pyroxene (?) crystals with altered plags laths in f.g. groundmass		no visible sulphides														
			Fault or shear zone																	
				from 55.60-57.90m: rusty/dark brown coloured fault gouge with plasticene like consistency		no visible sulphides														
60.90	96.00	5a - Quartz syenite																		
				fine to medium grain pale grey/pink colour, minor veinlets of carbonate along fractures, increase in		no visible sulphides														
				quartz eyes relative to syenite updip																
96.00		EOH - End of Hole																		

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407400**
(Nad27)	**Easting**	**537735**
Elevation (m):		**340 m**
Dip at Collar:		**-45**
Azimuth:		**90**
Total Depth:		**84 m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
42 m	-46.7	
84 m	-46.6	

DDH:G-10-02

Property:	**Geordie Lake**
Zone:	
Date start:	**23-Jan-10**
Date finish:	**24-Jan-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein**

GEOLOGY						Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	4.00	O/B - Overburden					870023		4.0	6.0	2.0	36	17	258		311	1.63	0.2633	2633	93
							870024		6.0	8.0	2.0	14	7	133		154	<1	0.1248	1248	51
4.00	10.43	3a - Heterogeneous gabbro with patchy to pervasive albite					870025		8.0	10.0	2.0	11	7	79		97	<1	0.069	690	46
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		trace up to 1% fine-gr disseminated cpy	870026		10.0	12.0	2.0	2	7	23		32	<1	0.0261	261	53
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			870027		12.0	14.0	2.0	7	7	5		19	<1	0.0082	82	57
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite			870028	d	12.0	14.0	2.0	2	18	5		25	<1	0.0074	74	55
10.43	18.00	4a - Amphibole kspar porphyry dikelet					870029		14.0	16.0	2.0	9	7	5		21	<1	0.0076	76	66
				very fine-gr dark greenish-gray groundmass with med to crs-gr euhedral px/amphibole? And		no visible sulphides	870030		16.0	18.0	2.0	2	7	15		24	<1	0.0161	161	68
				crs-gr (1-2cm long, 1-3mm wide) plg laths in a random orientation, "snowflake-like"			870031		18.0	20.0	2.0	20	30	235		285	<1	0.124	1240	88
				moderate fine-gr disseminated albite in middle third of unit			870032		20.0	22.0	2.0	17	30	175		222	<1	0.0923	923	74
				well defined, sharp upper contact; last 30cm of unit is ground core			870033		22.0	24.0	2.0	15	18	93		126	<1	0.0302	302	77
18.00	22.70	3a - Heterogeneous gabbro with patchy to pervasive albite					870034	b				2	7	5		14	<1	0.00005	0.5	<1
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		trace up to 3% fine to med-gr cpy disseminated within 3a and	870035		24.0	26.0	2.0	17	7	82		106	<1	0.0245	245	70
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			870036		26.0	28.0	2.0	9	7	24		40	<1	0.0421	421	55
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			870037		28.0	30.0	2.0	16	7	69		92	<1	0.034	340	33
				bands up to 3cm wide			870038		30.0	32.0	2.0	9	7	31		47	<1	0.0332	332	26
			3b - Heterogeneous gabbro with skeletal magnetite				870039		32.0	34.0	2.0	12	7	26		45	<1	0.0329	329	23
				from 18.0-18.80, 20.75-21.25			870040	mpg2				76	227	789		1092	1.08	0.2826	2826	310
22.70	27.13	3b - Heterogeneous gabbro with skeletal magnetite					870041		34.0	36.0	2.0	11	57	26		94	<1	0.0289	289	24
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		nil to trace fine-gr disseminated cpy within 3b	870042		36.0	38.0	2.0	9	51	16		76	<1	0.0294	294	19
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal			870043		38.0	40.0	2.0	15	50	17		82	<1	0.0284	284	25
				moderate patchy albite alteration; mod chl alteration			870044		40.0	42.0	2.0	12	42	51		105	<1	0.0435	435	46
			2c - Very fine to fine-grained homogeneous gabbro				870045		42.0	44.0	2.0	25	21	275		321	<1	0.0835	835	82
				from 24.47-24.53 with well defined contacts			870046		44.0	46.0	2.0	62	40	718		820	1.42	0.3351	3351	110
27.13	29.40	3a - Heterogeneous gabbro with patchy to pervasive albite					870047		46.0	48.0	2.0	45	35	656		736	1.56	0.3555	3555	107
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		nil to trace fine-gr disseminated cpy within 3a	870048		48.0	50.0	2.0	49	42	631		722	1.2	0.2469	2469	112
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			870049		50.0	52.0	2.0	77	66	818		961	2.4	0.4956	4956	143
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite			870050		52.0	54.0	2.0	49	55	552		656	2.13	0.4721	4721	174
29.40	34.85	2c - Very fine to fine-grained homogeneous gabbro					870051	d	52.0	54.0	2.0	37	38	390		465	1.37	0.3152	3152	139
				fine-gr plg-px-ol cumulate with moderate euhedral interstitial mag; minor fine-gr disseminated albite		no visible sulphides	870052		54.0	56.0	2.0	26	7	225		258	<1	0.1581	1581	69
				well defined upper and lower contacts with heterogeneous gabbro, 3a			870053		56.0	58.0	2.0	19	23	159		201	<1	0.1615	1615	65
34.85	43.80	3a - Heterogeneous gabbro with patchy to pervasive albite					870054		58.0	60.0	2.0	20	22	184		226	<1	0.2136	2136	53
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		nil to trace fine-gr cpy disseminated within 3a and 3b	870055		60.0	62.0	2.0	47	20	89		156	<1	0.1019	1019	36
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			870056		62.0	64.0	2.0	29	22	162		213	<1	0.1743	1743	43
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite			870057	b				2	7	5		14	<1	0.00005	0.5	<1
			3b - Heterogeneous gabbro with skeletal magnetite				870058		64.0	66.0	2.0	58	53	834		945	2.36	0.4303	4303	98
				from 40.65-41.15, 42.40-43.05, 43.45-43.60			870059		66.0	68.0	2.0	789	44	463		1296	1.8	0.3472	3472	83
43.80	57.60	3b - Heterogeneous gabbro with skeletal magnetite					870060		68.0	70.0	2.0	372	50	836		1258	4.15	0.4886	4886	119
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		from 43.80-51.75 trace up to 1% fine to med-gr cpy, bo dissem	870061		70.0	72.0	2.0	74	54	893		1021	2.14	0.4509	4509	162
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		within 3b and 3a; from 51.30-51.45 5% med to crs-gr bornite	870062		72.0	74.0	2.0	44	7	601		652	2.27	0.6275	6275	348
				minor patchy albite alteration; mod to intense chl alteration		rimmed by 1% fine-gr cpy	870063	mpg1				270	1043	3485		4798	3.09	0.6773	6773	438

			3a - Heterogeneous gabbro with patchy to pervasive albite			from 51.75-57.60 trace up to 0.5% fine-gr disseminated cpy, b
				from 45.10-45.65, 46.20-47.0, 48.75-49.60		
57.60	77.10	3a - Heterogeneous gabbro with patchy to pervasive albite				from 57.60-73.05 trace up to 2% fine to med-gr cpy and trace
				from 57.60-73.05 med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial mag		to 1% fine to med-gr bornite disseminated within 3a and 3b
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		from 73.05-77.10 trace up to 5% fine to very crs "smeared" cpy
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		within magnetite pods and lenses and chlorite-filled stringers
				from 73.05-77.10 texture is fine to med-gr cumulate with scattered wispy pods and lenses of magnetite with		
				"smeared" cpy		
			3b - Heterogeneous gabbro with skeletal magnetite			
				from 64.35-65.65		
77.10	84.00	5b - Amphibole syenite				
				med-gr pinkish red syenite with diffuse upper contact		trace fine-gr disseminated cpy within 1m of contact with 3a
84.00		EOH - End of Hole				

870064		74.0	76.0	2.0	39	7	548		594	1.71	0.7348	7348	331	
870065		76.0	78.0	2.0	98	7	548		653	4.1	0.5295	5295	198	
870066		78.0	80.0	2.0	11	7	5		23	<1	0.0355	355	11	
870067		80.0	82.0	2.0	10	7	5		22	<1	0.0246	246	8	

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407465**
(Nad27)	**Easting**	**537735**
Elevation (m):		**341 m**
Dip at Collar:		**-45**
Azimuth:		**90**
Total Depth:		**81 m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
40 m	-45.8	
81 m	-45.5	

DDH:G-10-03

Property:	**Geordie Lake**
Zone:	
Date start:	**24-Jan-10**
Date finish:	**25-Jan-10**
Contractor:	**CABO DRILLING**
Logged by:	**David Leng**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	4.70	O/B - Overburden					870068		4.7	6.0	1.3	2	7	57		66	<1	0.0487	487	65
4.70	5.14	3b - Heterogeneous gabbro with skeletal magnetite					870069		6.0	8.0	2.0	7	7	5		19	<1	0.0107	107	56
				medium to coarse grained variably textured plag-pyrox-olivine with abundant skeletal magnetite	Trace to 0.5% disseminated sulphides		870070		8.0	10.0	2.0	2	7	5		14	<1	0.0186	186	59
				magnetite varies from medium grained interstitial to coarse grained euhedral to skeletal form			870071		10.0	12.0	2.0	8	7	5		20	<1	0.0071	71	67
				minor patchy albite alteration with gossan staining on fractures			870072		12.0	14.0	2.0	2	7	5		14	<1	0.0173	173	49
5.14	13.21	4a - Amphibole kspar porphyry dikelet					870073	d	12.0	14.0	2.0	11	7	5		23	<1	0.0137	137	49
				fine grain dark greenish-gray groundmass with medium to coarse grain euhedral pyroxene/amphibole (?)		no visible sulphides	870074		14.0	16.0	2.0	8	7	22		37	<1	0.0352	352	26
				laths in random orientation			870075		16.0	18.0	2.0	15	7	21		43	<1	0.0282	282	28
13.21	19.03	2b - Medium to coarse-grained homogeneous gabbro					870076		18.0	20.0	2.0	9	7	16		32	<1	0.0377	377	29
				fine to medium grained (plagioclase, pyroxene, olivine), borderline 2c	Trace to 0.5% disseminated sulphides		870077		20.0	22.0	2.0	14	7	31		52	<1	0.0281	281	21
				minor patches of interstitial fine grained albite		sparse fine grained grain of chalcopyrite	870078		22.0	24.0	2.0	14	7	85		106	<1	0.0546	546	56
				irregular thin (1-2 mm) veinlets of carbonate along fractures			870079	b				2	7	5		14	<1	0.0004	4	1
19.03	29.55	3a - Heterogeneous gabbro with patchy to pervasive albite					870080		24.0	26.0	2.0	22	7	204		233	<1	0.0809	809	66
				medium to coarse grained variable texture plag-pyroxene-olivine with moderate anhedral to euhedral	0.5% to 1% disseminated sulphides		870081		26.0	28.0	2.0	27	7	194		228	<1	0.0717	717	62
				interstitial magnetite		coarse grains of chalcopyrite (1-3 mm)	870082		28.0	30.0	2.0	16	7	153		176	<1	0.082	820	88
				variable texture from sub/ophitic to cumulate, minor amounts of chlorite alteration with irregular			870083		30.0	32.0	2.0	66	45	837		948	2.64	0.435	4350	138
				carbonate veinlets filling fractures, patches of albite forming 5-10 cm bands			870084		32.0	34.0	2.0	52	28	1402		1482	2.06	0.5353	5353	133
29.55	41.40	3b - Heterogeneous gabbro with skeletal magnetite					870085	mpg2				242	382	4902		5526	1.05	0.2773	2773	320
				variably textured medium to coarse grained (plagioclase-pyroxene-olivine) with		regular occurrence of coarse (1-5 mm) grains of chalcopyrite	870086		34.0	36.0	2.0	39	30	466		535	1.55	0.3459	3459	102
				coarse to very coarse grained skeletal magnetite		irregular occurrence of bornite (1-3 mm)	870087		36.0	38.0	2.0	49	39	465		553	1.85	0.3787	3787	139
				moderate patchy albite alteration with localized intense intervals of chlorite alteration			870088		38.0	40.0	2.0	23	7	355		385	1.12	0.3913	3913	297
			3a - Heterogeneous gabbro with patchy to pervasive albite		0.5% to 1% disseminated sulphides		870089		40.0	42.0	2.0	27	19	235		281	1.03	0.2775	2775	144
				from 36.26 to 36.51 m, fractures at high CA filled with chlorite and chalcopyrite		narrow veinlets of chalcopyrite in chlorite filled veins	870090		42.0	44.0	2.0	30	7	273		310	1.37	0.289	2890	85
41.40	45.80	3a - Heterogeneous gabbro with patchy to pervasive albite			0.5% to 1% disseminated sulphides		870091		44.0	46.0	2.0	27	7	284		318	1.51	0.2769	2769	83
				medium to coarse grained variable texture plag-pyroxene-olivine with moderate anhedral to euhedral		fine grained chalcopyrite in chlorite patches	870092		46.0	48.0	2.0	79	36	595		710	1.59	0.41	4100	115
				interstitial magnetite			870093		48.0	50.0	2.0	67	57	1162		1286	2.36	0.3841	3841	137
				variable texture from sub/ophitic to cumulate, minor amounts of chlorite alteration with irregular			870094		50.0	52.0	2.0	81	42	1088		1211	3.29	0.5374	5374	154
				carbonate veinlets filling fractures, patches of albite forming 5-10 cm bands			870095		52.0	54.0	2.0	66	19	457		542	1.55	0.6324	6324	241
45.80	50.60	3b - Heterogeneous gabbro with skeletal magnetite			0.5% to 1% disseminated sulphides		870096	d	52.0	54.0	2.0	47	20	495		562	1.79	0.5377	5377	271
				medium to coarse grained (plagioclase-pyroxene-olivine), coarse to very coarse grained skeletal magnetite		coarse grains of chalcopyrite (5-10 mm)	870097		54.0	56.0	2.0	58	17	820		895	2.45	0.5172	5172	146
				intense chlorite alteration along magnetite grain boundaries associated with coarse chalcopyrite			870098		56.0	58.0	2.0	15	7	59		81	2.63	0.9846	9846	241
				irregular albite alteration with localized intense intervals of chlorite alteration			870099		58.0	60.0	2.0	2	7	51		60	<1	0.0703	703	15
50.60	57.39	3a - Heterogeneous gabbro with patchy to pervasive albite			0.5% to 1% disseminated sulphides		870100		60.0	62.0	2.0	18	7	5		30	<1	0.0078	78	6
				medium to coarse grained variable texture plag-pyroxene-olivine with moderate anhedral to euhedral		streaks of magnetite along fractures and within groundmass	870101	b				2	7	5		14	<1	0.00005	0.5	<1
				interstitial magnetite			870102	mpg1				272	988	3523		4783	2.97	0.6897	6897	443
				variable texture from sub-ophitic to ophitic, highly variable albite alteration (minor to pervasive)																
				magnetite veinlets filling fractures																
			3b - Heterogeneous gabbro with skeletal magnetite		Semi massive to massive sulphides															
				(53.41-53.78 m)		magnetite forms near solid bands with 1-2 cm coarse patches														
				(57.27-57.39 m)		of chalcopyrite														
				very sharp contact with syenite, remobilization of sulphides into syenite for approx 1 m																

57.39	81.00	5a - Quartz syenite			
			fine grained pale grey/pink colour, fine to medium grained with frequent fracturing along interval at 45-60 CA		
81.00		EOH - End of Hole			

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407375**
(Nad27)	**Easting**	**537612**
Elevation (m):		
Dip at Collar:		**-63**
Azimuth:		**90**
Total Depth:		**190 m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
87 m	-63.2	
177 m	-64	

DDH:G-10-04

Property:	**Geordie Lake**
Zone:	
Date start:	**25-Jan-10**
Date finish:	**27-Jan-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein/David Leng**

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Job
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm	#
0.00	4.20	O/B - Overburden						870103		62.0	64.0	2.0	11	7	26		44	1.83	0.0261	261	34	201040288
								870104		64.0	66.0	2.0	11	19	31		61	1.92	0.0284	284	36	201040288
4.20	46.97	2a - Coarse grained gabbro with plag lineation						870105		66.0	68.0	2.0	13	7	30		50	5.2	0.0274	274	38	201040288
				coarse grained gabbro with subtle plagioclase lineation at approx 90CA			no visible sulphides	870106		68.0	70.0	2.0	12	18	25		55	2.3	0.0284	284	40	201040288
				disseminated albite in groundmass throughout; irregular 1-3 mm chlorite/carbonate filled fractures 60CA				870107		70.0	72.0	2.0	12	29	29		70	2.14	0.0333	333	56	201040288
46.97	68.07	2b - Medium to coarse-grained homogeneous gabbro						870108	d	70.0	72.0	2.0	12	7	28		47	2.21	0.0364	364	59	201040288
				medium to coarse grained gabbro with gradational contact at 46.97 m, gradual reduction in grain size and			no visible sulphides	870109		72.0	74.0	2.0	10	7	43		60	2.19	0.0479	479	69	201040288
				noticeable increase in albite in groundmass				870110		74.0	76.0	2.0	21	20	112		153	2.55	0.1296	1296	60	201040288
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; moderate fine-gr disseminated albite				870111		76.0	78.0	2.0	17	7	108		132	2.78	0.1517	1517	73	201040288
				gradational upper contact and well defined lower contact				870112		78.0	80.0	2.0	11	7	67		85	2.43	0.0594	594	62	201040288
				lower contact defined by (1) change from homogeneous disseminated albite to variable albite content: trace				870113		80.0	82.0	2.0	9	7	45		61	2.26	0.0393	393	46	201040288
				albite to fine-gr patches to pervasive albite networks; (2) presence of disseminated fine-gr cpy				870114	b				2	7	5		14	1.92	0.00005	0.5	1	201040288
68.07	88.75	3a - Heterogeneous gabbro with patchy to pervasive albite				0.5% to 1% disseminated sulphides		870115		82.0	84.0	2.0	13	20	71		104	2.33	0.0824	824	52	201040288
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite			trace up to 2% fine to crs-gr disseminated cpy throughout	870116		84.0	86.0	2.0	18	7	191		216	2.99	0.1462	1462	88	201040288
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			unit (3a and 3b)	870117		86.0	88.0	2.0	11	7	151		169	3.01	0.0957	957	78	201040288
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			from 85.50-85.52 1-2% med to crs-gr po rimmed by 1% fine-gr	870118		88.0	90.0	2.0	16	7	168		191	2.7	0.1141	1141	83	201040288
				bands up to 7cm wide				870119		90.0	92.0	2.0	11	7	67		85	2.5	0.0543	543	59	201040288
			3b - Heterogeneous gabbro with skeletal magnetite					870120	mpg2				76	226	800		1102	3.23	0.2798	2798	313	201040288
				from 86.0-86.80 with mod to intense chlorite alteration				870121		92.0	94.0	2.0	12	7	58		77	2.35	0.0454	454	51	201040288
88.75	94.54	3b - Heterogeneous gabbro with skeletal magnetite				2-3% disseminated sulphides		870122		94.0	96.0	2.0	13	7	79		99	2.51	0.0577	577	51	201040288
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite			from 88.75-89.25 1-2% fine to crs-gr disseminated cpy	870123		96.0	98.0	2.0	15	7	65		87	2.42	0.0543	543	41	201040288
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal			Trace to 0.5% disseminated sulphides	870124		98.0	100.0	2.0	26	26	182		234	4.88	0.3331	3331	72	201040288
				minor patchy albite alteration; mod to intense chl alteration - difficult to distinguish skeletal magnetite			from 89.25-94.54 trace up to 1% fine-gr disseminated cpy	870125		100.0	102.0	2.0	27	66	2214		2307	3.72	1.1471	11471	276	201040288
94.54	100.68	3a - Heterogeneous gabbro with patchy to pervasive albite						870126		102.0	104.0	2.0	30	42	471		543	3.76	0.1427	1427	133	201040289
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite			2-3% disseminated sulphides	870127		104.0	106.0	2.0	20	20	186		226	3.36	0.0686	686	113	201040289
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 3% fine to crs-gr cpy disseminated within 3a	870128		106.0	108.0	2.0	14	7	57		78	2.39	0.0378	378	45	201040289
				minor fine-gr albite patches to abundant pervasive networks of fine to med-gr albite				870129		108.0	110.0	2.0	14	24	76		114	2.52	0.0356	356	73	201040289
			2b - Medium to coarse-grained homogeneous gabbro					870130		110.0	112.0	2.0	15	20	39		74	2.28	0.0262	262	50	201040289
				from 97.28-97.42				870131	d	110.0	112.0	2.0	14	7	29		50	2.3	0.0287	287	50	201040289
100.68	109.10	3b - Heterogeneous gabbro with skeletal magnetite				2-3% disseminated sulphides		870132		112.0	114.0	2.0	12	7	29		48	1.98	0.0305	305	41	201040289
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite			trace up to 5% fine to crs-gr cpy disseminated within 3b and 3a	870133		114.0	116.0	2.0	11	30	27		68	1.31	0.0258	258	36	201040289
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			from 100.88-101.60 chl-filled fractures and healed fractures	870134		116.0	118.0	2.0	12	30	31		73	1.37	0.0259	259	33	201040289
				minor patchy albite alteration; mod to intense chl alteration			filled with smeared cpy	870135		118.0	120.0	2.0	2	7	5		14	1.37	0.0288	288	28	201040289
			3a - Heterogeneous gabbro with patchy to pervasive albite					870136		120.0	122.0	2.0	16	45	48		109	1.47	0.0285	285	55	201040289
				from 104.75-105.0, 108.66-108.78				870137	b				2	7	5		14	1.1	0.0002	2	2	201040289
			2b - Medium to coarse-grained homogeneous gabbro					870138		122.0	124.0	2.0	23	7	176		206	1.92	0.0485	485	108	201040289
				from 106.90-107.35				870139		124.0	126.0	2.0	25	30	322		377	1.83	0.1092	1092	130	201040289
109.10	121.65	3a - Heterogeneous gabbro with patchy to pervasive albite				Trace to 0.5% disseminated sulphides		870140		126.0	128.0	2.0	59	54	866		979	3.33	0.5069	5069	147	201040289
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite			nil to trace fine-gr cpy disseminated within 3a	870141		128.0	130.0	2.0	54	38	688		780	2.94	0.3704	3704	168	201040289
				texture varies from subophitic to ophitic to cumulate; mod chl alteration				870142		130.0	132.0	2.0	50	55	536		641	2.84	0.4605	4605	171	201040289
				minor fine-gr albite patches to abundant pervasive networks of fine to med-gr albite to scattered albite-rich				870143	mpg1				301	1021	3497		4819	4.27	0.709	7090	434	201040289

				bands up to 30cm wide		
			2b - Medium to coarse-grained homogeneous gabbro			
				from 112.21-113.26		
121.65	130.60	3b - Heterogeneous gabbro with skeletal magnetite			0.5% to 1% disseminated sulphides	
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		from 121.65-127.0 trace up to 2% fine to crs-gr cpy
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic	2-3% disseminated sulphides	
				minor patchy albite alteration; mod to intense chl alteration		from 127.0-130.60 1-3% fine to crs-gr cpy, trace up to 1% fine
				from 121.95-124.40 scattered intervals of rubbly core (with intense chl alteration); also scattered carb-filled		bornite, trace up to 2% med to crs-gr covellite within 3b (and 3
				fractures and stringers (with possibly ankerite and fuchsite DML)		
			3a - Heterogeneous gabbro with patchy to pervasive albite			
				from 129.55-130.03		
130.60	145.05	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to med-gr cpy throughout unit:
				abundant fine-gr albite patches to abundant pervasive networks of fine to med-gr albite		disseminated and within 1-2mm wide chl stringers
			3b - Heterogeneous gabbro with skeletal magnetite			trace up to 1% fine-gr disseminated bornite throughout unit
				from 131.60-131.70, 133.68-134.0		
145.05	151.70	3b - Heterogeneous gabbro with skeletal magnetite			2-3% disseminated sulphides	
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		trace up to 2% fine to med-gr cpy and bornite throughout unit
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		cpy is disseminated and within 1-2mm wide chl stringers
				minor patchy albite alteration; mod to abundant chl alteration		bornite is disseminated: either alone, rimmed by cpy, cpy rimmed
			3a - Heterogeneous gabbro with patchy to pervasive albite			by bornite, or cpy and bornite interfingering ("meshed")
				from 146.90-147.82		
151.70	153.87	3a - Heterogeneous gabbro with patchy to pervasive albite			Local blebs to 2-4% sulphides	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		1% up to 5% fine to very crs-gr py, bornite: occur separately and
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		intergrown (with magnetite rims)
				minor pervasive networks of fine to med-gr albite		
153.87	177.00	5a - Quartz syenite				
				diffuse upper contact: from 153.87-154.03 intermixed with 3a	0.5% to 1% disseminated sulphides	
				med-gr, reddish-pink quartz syenite		from 153.87-154.03 1% fine to crs-gr cpy
					Trace to 0.5% disseminated sulphides	
						from 154.03-156.45 trace disseminated fine-gr cpy
						from 156.45-177.0 no visible sulphides
177.00		EOH - End of Hole				

870144		132.0	134.0	2.0	25	7	231		263	1.7	0.212	2120	89	201040289
870145		134.0	136.0	2.0	24	24	175		223	1.31	0.1506	1506	66	201040289
870146		136.0	138.0	2.0	20	7	121		148	1.31	0.142	1420	56	201040289
870147		138.0	140.0	2.0	26	18	206		250	1.74	0.166	1660	62	201040289
870148		140.0	142.0	2.0	32	28	325		385	2.83	0.2787	2787	62	201040287
870149		142.0	144.0	2.0	50	37	510		597	3.17	0.4283	4283	91	201040287
870150		144.0	146.0	2.0	46	35	812		893	3.46	0.3702	3702	128	201040287
870151		146.0	148.0	2.0	48	45	916		1009	3.13	0.2001	2001	119	201040287
870152		148.0	150.0	2.0	87	58	1380		1525	5.15	0.722	7220	200	201040287
870153	d	148.0	150.0	2.0	82	50	1362		1494	5.37	0.6485	6485	198	201040287
870154		150.0	152.0	2.0	99	71	1381		1551	6.35	0.8391	8391	252	201040287
870155		152.0	154.0	2.0	102	92	1341		1535	7.05	1.2763	12763	260	201040287
870156		154.0	156.0	2.0	42	35	464		541	2.29	0.4893	4893	73	201040287
870157		156.0	158.0	2.0	11	7	131		149	2.24	0.1264	1264	36	201040287
870158		158.0	160.0	2.0	10	7	81		98	<1	0.0779	779	33	201040287
870159	b				2	7	5		14	1.12	0.0003	3	1	201040287
870160	mpg2				79	229	845		1153	2.75	0.2696	2696	317	201040287

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS: 42 D / 16

UTM (Nad27)	
Northing	5407350
Easting	537735
Elevation (m):	
Dip at Collar:	-45
Azimuth:	90
Total Depth:	81m
Core Size:	NQ

Remarks: Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
41 m	-41.8	
81 m	-41.8	

DDH:G-10-05

Property: Geordie Lake
Zone:
Date start: 28-Jan-10
Date finish: 29-Jan-10
Contractor: CABO DRILLING
Logged by: Rachel Epstein

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	S
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm	%
0.00	5.35	O/B - Overburden						870161		5.35	7.00	1.65	61	23	513		597	4.01	0.368	3680	123	
								870162		7.00	9.00	2.00	20	7	283		310	3.43	0.2018	2018	115	
5.35	5.92	3a - Heterogeneous gabbro with patchy to pervasive albite				0.5% to 1% disseminated sulphides		870163		9.00	11.00	2.00	13	7	118		138	2.27	0.0861	861	69	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite			fine to med-gr disseminated cpy	870164		11.00	13.00	2.00	18	7	98		123	1.81	0.0785	785	68	
5.92	7.70	3b - Heterogeneous gabbro with skeletal magnetite						870165		13.00	15.00	2.00	23	7	216		246	1.92	0.148	1480	80	
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		Local blebs to 2-4% sulphides		870166	d	13.00	15.00	2.00	23	7	226		256	2.01	0.1778	1778	85	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal			1% up to 3% fine to crs-gr disseminated cpy blebs	870167		15.00	17.00	2.00	30	7	432		469	2.67	0.2078	2078	127	
				minor patchy albite alteration; mod to intense chl alteration - difficult to distinguish skeletal magnetite				870168		17.00	19.00	2.00	30	19	441		490	2.34	0.2101	2101	88	
7.70	15.72	3a - Heterogeneous gabbro with patchy to pervasive albite						870169		19.00	21.00	2.00	16	23	263		302	<1	0.1318	1318	<1	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Local blebs to 2-4% sulphides		870170		21.00	23.00	2.00	22	7	275		304	<1	0.1287	1287	107	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			from 7.70-8.0 1-3% fine to crs-gr cpy blebs	870171		23.00	25.00	2.00	17	7	86		110	<1	0.0304	304	77	
				minor fine-gr albite patches to abundant pervasive networks of fine to med-gr albite		Trace to 0.5% disseminated sulphides		870172	b				2	7	5		14	<1	0.0001	1	2	
							from 8.0-15.72 trace up to 0.5% fine-gr disseminated cpy	870173		25.00	27.00	2.00	11	7	60		78	1.07	0.0435	435	86	
15.72	17.30	3b - Heterogeneous gabbro with skeletal magnetite						870174		27.00	29.00	2.00	10	7	33		50	<1	0.0157	157	74	
				med to crs-gr, variably textured pl-px-ol with abundant magnetite; not typical - no skeletal magnetite		Trace to 0.5% disseminated sulphides		870175		29.00	31.00	2.00	9	7	26		42	<1	0.0199	199	52	
				magnetite varies from med-gr interstitial to crs-gr euhedral			trace up to 1% fine to med-gr disseminated cpy	870176		31.00	33.00	2.00	11	27	25		63	<1	0.0291	291	44	
				minor patchy albite alteration; mod chl alteration				870177		33.00	35.00	2.00	10	7	28		45	<1	0.0251	251	37	
17.30	21.45	3a - Heterogeneous gabbro with patchy to pervasive albite						870178	mpg1				249	984	3498		4731	3.43	0.708	7080	440	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Local blebs to 2-4% sulphides		870179		35.00	37.00	2.00	10	7	29		46	<1	0.0302	302	32	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 1% fine to crs-gr disseminated cpy with 3-4% cpy ir	870180		37.00	39.00	2.00	8	7	28		43	<1	0.0251	251	45	
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			scattered albite-rich pods and bands	870181		39.00	41.00	2.00	11	7	100		118	<1	0.0391	391	72	
				bands and pods up to 5cm wide			from 19.78-20.0 trace fine-gr bornite	870182		41.00	43.00	2.00	18	7	200		225	<1	0.0958	958	85	
				albite-rich pods and bands have a greater % of cpy than surrounding gabbro				870183		43.00	45.00	2.00	61	23	855		939	2.19	0.359	3590	127	
			3b - Heterogeneous gabbro with skeletal magnetite					870184		45.00	47.00	2.00	70	48	756		874	3.05	0.5472	5472	151	0.22
				from 19.78-20.0 with trace fine-gr disseminated bornite				870185		47.00	49.00	2.00	77	46	802		925	1.85	0.6596	6596	160	0.39
21.45	30.30	3b - Heterogeneous gabbro with skeletal magnetite				Trace to 0.5% disseminated sulphides		870186		49.00	51.00	2.00	41	21	550		612	<1	0.4724	4724	128	0.29
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite			trace fine-gr disseminated cpy in 3b (and 3a at lower contact)	870187		51.00	53.00	2.00	25	7	193		225	<1	0.2166	2166	73	0.09
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			from 21.70-21.80 0.5%-1% fine to med-gr cpy in 3a	870188		53.00	55.00	2.00	30	7	124		161	<1	0.137	1370	68	0.14
				minor patchy albite alteration; mod to abundant chl alteration				870189	d	53.00	55.00	2.00	30	7	153		190	<1	0.1483	1483	66	0.16
			3a - Heterogeneous gabbro with patchy to pervasive albite					870190		55.00	57.00	2.00	25	7	190		222	<1	0.2572	2572	77	0.22
				from 21.70-21.80 and 29.57-30.30				870191		57.00	59.00	2.00	30	23	273		326	<1	0.38	3800	83	0.33
30.30	34.82	2c - Very fine to fine-grained homogeneous gabbro						870192		59.00	61.00	2.00	36	7	205		248	3.74	0.2545	2545	60	0.22
				fine-gr plg-px-ol cumulate with moderate euhedral interstitial mag; very minor fine-gr disseminated albite			no visible sulphides	870193		61.00	63.00	2.00	42	7	269		318	2.48	0.3239	3239	58	0.24
				diffuse upper and lower contacts with heterogeneous gabbro, 3a				870194		63.00	65.00	2.00	31	7	189		227	1.25	0.2289	2289	53	0.24
34.82	38.65	3a - Heterogeneous gabbro with patchy to pervasive albite						870195	b				2	7	5		14	1.48	0.0001	1	<1	0.02
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870196		65.00	67.00	2.00	28	7	153		188	1.86	0.109	1090	40	0.13
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			nil to trace fine-gr cpy	870197		67.00	69.00	2.00	22	7	149		178	1.8	0.121	1210	50	0.16
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite				870198		69.00	71.00	2.00	23	22	474		519	2.4	0.2663	2663	113	0.27
38.65	55.05	3b - Heterogeneous gabbro with skeletal magnetite				0.5% to 1% disseminated sulphides		870199		71.00	73.00	2.00	44	42	502		588	2.98	0.2297	2297	101	0.16
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite			trace up to 2% fine to crs-gr cpy disseminated within 3b and 3a	870200		73.00	75.00	2.00	21	32	572		625	2.83	0.4557	4557	132	0.36
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			trace up to 1% fine to med-gr bornite disseminated within 3b,3	870201	mpg2				72	229	865		1166	2.59	0.2735	2735	303	1.21

				minor patchy albite alteration; mod to abundant chl alteration		
			3a - Heterogeneous gabbro with patchy to pervasive albite			
				from 45.20-46.20, 48.64-49.08, 50.81-51.53		
55.05	68.78	3a - Heterogeneous gabbro with patchy to pervasive albite			Trace to 0.5% disseminated sulphides	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		trace up to 1% fine to med-gr cpy disseminated within 3a
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace fine-gr bornite disseminated within 3a
				abundant fine-gr albite patches to abundant pervasive networks of fine to med-gr albite		
68.78	76.00	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 1-2% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 3% fine to crs-gr cpy: disseminated; local blebs
				minor patchy albite alteration; mod to abundant chl alteration		(smears) and within chl-filled healed fractures
						trace up to 1% fine-gr disseminated bornite
76.00	81.00	5b - Amphibole syenite				
				med-gr pinkish red syenite with numerous chl-filled fractures and healed fractures	Local blebs to 2-4% sulphides	
				from 76.0-76.30 contact zone is intermix of 5b and 3b with scattered chl-magnetite lenses with 1-3%		from 76.0-76.30 1-3% smeared cpy within chl-mag lenses
				"smeared" cpy		
						from 76.30-81.0 no visible sulphides
81.00		EOH - End of Hole				

870202		75.00	77.00	2.00	36	23	410		469	2.63	0.5037	5037	117	0.63	
870203		77.00	79.00	2.00	2	7	5		14	<1	0.0122	122	13	0.05	
870204		79.00	81.00	2.00	10	7	159		176	1.15	0.1804	1804	50	0.26	

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS: 42 D / 16

UTM	**Northing**	**5407300**
(Nad27)	**Easting**	**537735**
Elevation (m):		
Dip at Collar:		**-45**
Azimuth:		**90**
Total Depth:		**72 m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
36 m	-46.5	
72 m	-47	

DDH:G-10-06

Property: Geordie Lake
Zone:
Date start: 29-Jan-10
Date finish: 30-Jan-10
Contractor: CABO DRILLING
Logged by: David Leng

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	1.50	CAS - Casing						870205		1.50	4.00	2.50	20	7	127		154	1.54	0.1469	1469	74
1.50	17.06	3a - Heterogeneous gabbro with patchy to pervasive albite				0.5% to 1% disseminated sulphides		870206		4.00	6.00	2.00	16	7	93		116	1.6	0.1179	1179	72
				medium to coarse grained, variable textured (plag/pyx/olivine) with spotty to euhedral magnetite			sparse coarse (3 to 7 mm) grains of chalcopyrite within albite	870207		6.00	8.00	2.00	19	7	301		327	1.86	0.2184	2184	101
				variably textured from sub/ophitic to cumulate, moderate chlorite alteration				870208		8.00	10.00	2.00	16	7	194		217	1.58	0.1093	1093	103
				minor fine grained albite patches, irregular networks of fine to medium grained albite				870209		10.00	12.00	2.00	14	25	127		166	1.24	0.0746	746	75
17.06	27.38	3b - Heterogeneous gabbro with skeletal magnetite				0.5% to 1% disseminated sulphides		870210	d	10.00	12.00	2.00	15	7	110		132	1.18	0.0636	636	69
				medium to coarse grained, variable textured (plag/pyx/olivine) with abunduant skeletal magnetite			trace to 1-3% fine to coarse grained disseminated	870211		12.00	14.00	2.00	19	7	118		144	1.43	0.0977	977	84
				magnetite is highly variable from medium grained interstitial to coarse euhedral/skeletal/dendritic			chalcopyrite with 2-3% chalcopyrite in scattered albite pods	870212		14.00	16.00	2.00	25	7	224		256	2.62	0.1589	1589	93
				minor patchy albite alteration with moderate to locally intense chl alteration				870213		16.00	18.00	2.00	27	7	267		301	2.36	0.1604	1604	128
27.38	36.29	2c - Very fine to fine-grained homogeneous gabbro						870214		18.00	20.00	2.00	22	7	288		317	1.95	0.1405	1405	78
				fine grained (plag/pyx/olivine) with moderate abundances of euhedral magnetite, trace patches of fine			no visible sulphides	870215		20.00	22.00	2.00	19	30	212		261	3.12	0.0843	843	103
				grained albite, gradational upper contact, lower contact has heavy chlorite alteration and minor carbonate				870216	b				2	7	5		14	1.01	0.00005	0.5	<1
36.29	47.05	3a - Heterogeneous gabbro with patchy to pervasive albite				Trace to 0.5% disseminated sulphides		870217		22.00	24.00	2.00	13	7	105		125	1.65	0.0223	223	108
				medium to coarse grained, variable textured (plag/pyx/olivine) with spotty to euhedral magnetite			trace patches of fine grained chalcopyrite	870218		24.00	26.00	2.00	25	7	85		117	1.77	0.0549	549	112
				variably textured from sub/ophitic to cumulate, moderate chlorite alteration				870219		26.00	28.00	2.00	13	7	37		57	1.45	0.0422	422	69
				minor fine grained albite patches, irregular networks of fine to medium grained albite				870220		28.00	30.00	2.00	14	7	29		50	1.43	0.0296	296	38
				gradational contact with lower 3b unit				870221		30.00	32.00	2.00	10	7	25		42	1.3	0.0267	267	33
47.05	55.80	3b - Heterogeneous gabbro with skeletal magnetite				Trace to 0.5% disseminated sulphides		870222	mpg1				268	1002	3653		4923	4.55	0.66	6600	460
				medium to coarse grained, variable textured (plag/pyx/olivine) with abunduant skeletal magnetite			trace fine grained chalcopyrite, several 1-5 mm grains of borni	870223		32.00	34.00	2.00	10	26	28		64	1.44	0.0275	275	30
				magnetite is highly variable from medium grained interstitial to coarse euhedral/skeletal/dendritic				870224		34.00	36.00	2.00	13	7	24		44	1.31	0.026	260	31
				minor patchy albite alteration with moderate to locally intense chl alteration				870225		36.00	38.00	2.00	12	36	27		75	1.31	0.0271	271	25
				increase in chlorite abundance towards contact of lower 3a unit				870226		38.00	40.00	2.00	11	7	22		40	1.16	0.0252	252	21
55.80	65.48	3a - Heterogeneous gabbro with patchy to pervasive albite				0.5% to 1% disseminated sulphides		870227		40.00	42.00	2.00	11	20	28		59	1.35	0.0274	274	19
				medium to coarse grained, variable textured (plag/pyx/olivine) with spotty to euhedral magnetite			fine grained chalcopyrite throughout inteval with localized coar	870228		42.00	44.00	2.00	18	7	31		56	1.5	0.0325	325	21
				variably textured from sub/ophitic to cumulate, increase in chlorite towards lower 5a unit			(1-5 mm) grains	870229		44.00	46.00	2.00	19	7	50		76	1.86	0.0293	293	48
				minor fine grained albite patches in upper portions of interval, sharp decrease towards lower 5 unit			multiple veinlets (1-5 mm) of fine-grained chalcopyrite along	870230		46.00	48.00	2.00	24	7	150		181	1.87	0.0611	611	61
				gradational contact with lower 3b unit			fractures (30-45 CA)	870231		48.00	50.00	2.00	34	7	276		317	2.23	0.1139	1139	96
65.48	72.00	5a - Quartz syenite				0.5% to 1% disseminated sulphides		870232		50.00	52.00	2.00	64	38	927		1029	4.21	0.5494	5494	167
				fine to medium grained pink/red syenite with numerous chlorite and sulphide filled fractures			sulphides are limited to 1.2 m of upper contact, no visible sulp	870233	d	50.00	52.00	2.00	70	66	1033		1169	4.34	0.4508	4508	167
				contact zone with upper 3a has scattered chlorite/sulphide lenses with 1-3% fine grained chalcopyrite			to EOH	870234		52.00	54.00	2.00	68	56	906		1030	4.52	0.4491	4491	193
72.00		EOH - End of Hole						870235		54.00	56.00	2.00	42	33	293		368	2.57	0.1847	1847	94
								870236		56.00	58.00	2.00	22	7	204		233	2.29	0.1602	1602	76
								870237		58.00	60.00	2.00	77	58	1120		1255	3.68	0.3831	3831	156
								870238		60.00	62.00	2.00	66	47	908		1021	4.27	0.5807	5807	201
								870239	b				2	7	5		14	1.12	0.0002	2	<1
								870240		62.00	64.00	2.00	80	62	1089		1231	5.38	0.4963	4963	204
								870241		64.00	66.00		10	7	22		39	6.46	1.4094	14094	236
								870242		66.00	68.00		85	51	1316		1452	1.21	0.028	280	11
								870243	mpg2				68	256	830		1154	2.67	0.264	2640	311

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407275**
(Nad27)	**Easting**	**537675**
Elevation (m):		
Dip at Collar:		**-55**
Azimuth:		**90**
Total Depth:		**129**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
66 m	-56.9	
129 m	-57.4	

DDH:G-10-07

Property:	**Geordie Lake**
Zone:	
Date start:	**30-Jan-10**
Date finish:	**01-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein**

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	32.40	2a - Coarse grained gabbro with plag lineation						870244		36.00	38.00	2.00	8	31	45		84	<1	0.026	260	25
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @70-80deg to ca			no visible sulphides	870245		38.00	40.00	2.00	2	28	57		87	<1	0.029	290	26
				abundant chl alteration of mafic minerals; minor to mod fine-gr albite patches				870246		40.00	42.00	2.00	7	29	57		93	<1	0.0335	335	29
				gradational contact with 2b: gradual loss of flow alignment of plg laths				870247		42.00	44.00	2.00	2	7	46		55	<1	0.0288	288	22
32.40	49.65	2b - Medium to coarse-grained homogeneous gabbro						870248		44.00	46.00	2.00	12	26	54		92	<1	0.057	570	45
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; moderate fine-gr disseminated albite			from 32.40-41.80 no visible sulphides	870249	d	44.00	46.00	2.00	10	25	44		79	<1	0.0295	295	24
				gradational upper contact with 2a and well defined lower contact with heterogeneous gabbro with patchy		Trace to 0.5% disseminated sulphides		870250		46.00	48.00	2.00	7	36	49		92	<1	0.0298	298	26
				albite alteration			from 36.27-49.65 nil to trace up to 0.5% fine to med-gr cpy	870251		48.00	50.00	2.00	14	7	54		75	<1	0.0257	257	28
							disseminated within homogeneous gabbro, 2b	870252		50.00	52.00	2.00	2	29	45		76	<1	0.0246	246	33
49.65	59.88	3a - Heterogeneous gabbro with patchy to pervasive albite						870253		52.00	54.00	2.00	9	7	59		75	<1	0.041	410	56
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides		870254		54.00	56.00	2.00	9	7	112		128	<1	0.1256	1256	65
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 1% fine to med-gr disseminated cpy	870255	b				2	7	5		14	<1	0.0002	2	<1
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			from 55.45-55.55 1-2% crs to very crs-gr po rimmed by fine-gr	870256		56.00	58.00	2.00	15	7	99		121	<1	0.1042	1042	77
				bands up to 10cm long				870257		58.00	60.00	2.00	13	7	64		84	<1	0.0775	775	61
59.88	62.56	3b - Heterogeneous gabbro with skeletal magnetite						870258		60.00	62.00	2.00	28	7	302		337	<1	0.2629	2629	107
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		Local blebs to 1-2% sulphides		870259		62.00	64.00	2.00	19	7	230		256	<1	0.1646	1646	142
				magnetite varies from med-gr interstitial to very crs-gr euhedral to minor skeletal			trace up to 3% fine-gr disseminated cpy to very crs-gr smeared	870260		64.00	66.00	2.00	16	7	136		159	<1	0.1648	1648	129
				minor patchy albite alteration; mod to intense chl alteration			blebs of cpy	870261	mpg1				278	1046	3469		4793	2.7	0.7171	7171	442
			3a - Heterogeneous gabbro with patchy to pervasive albite					870262		66.00	68.00	2.00	19	28	225		272	<1	0.1807	1807	66
				from 61.30-61.52				870263		68.00	70.00	2.00	17	18	42		77	<1	0.181	1810	61
62.56	72.95	3a - Heterogeneous gabbro with patchy to pervasive albite						870264		70.00	72.00	2.00	27	23	196		246	<1	0.1735	1735	84
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides		870265		72.00	74.00	2.00	26	44	322		392	<1	0.173	1730	106
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 2% fine to med-gr disseminated cpy to crs-gr blebs	870266		74.00	76.00	2.00	17	42	289		348	<1	0.1283	1283	119
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			nil to trace fine-gr disseminated bornite	870267		76.00	78.00	2.00	12	23	119		154	<1	0.0256	256	89
				bands up to 5cm long				870268		78.00	80.00	2.00	9	32	60		101	<1	0.0208	208	106
			3b - Heterogeneous gabbro with skeletal magnetite					870269		80.00	82.00	2.00	7	38	114		159	<1	0.057	570	72
				from 64.90-66.09				870270		82.00	84.00	2.00	109	31	44		184	<1	0.0428	428	27
72.95	81.90	3b - Heterogeneous gabbro with skeletal magnetite						870271		84.00	86.00	2.00	9	24	30		63	<1	0.023	230	30
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		Local blebs to 1-2% sulphides		870272	d	84.00	86.00	2.00	6	26	20		52	<1	0.0226	226	34
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			trace up to 1% fine to crs-gr cpy (disseminated and blebs)	870273		86.00	88.00	2.00	8	33	27		68	<1	0.0274	274	26
				minor patchy albite alteration; mod to intense chl alteration			from 74.50-74.60 2-3% crs-gr "amoeba" shaped bornite blebs	870274		88.00	90.00	2.00	8	41	30		79	<1	0.0246	246	22
				from 79.65-79.90 and 80.10-80.20 ground core, from 80.40-80.45 dark green fault gouge with hematite				870275		90.00	92.00	2.00	12	33	27		72	<1	0.0264	264	21
				staining				870276		92.00	94.00	2.00	7	20	29		56	<1	0.0261	261	16
81.90	83.68	3a - Heterogeneous gabbro with patchy to pervasive albite						870277		94.00	96.00	2.00	8	7	32		47	<1	0.0268	268	19
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Local blebs to 1-2% sulphides		870278	b				2	7	5		14	<1	0.00005	0.5	<1
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 3% fine-gr disseminated cpy to very crs-gr smeared	870279		96.00	98.00	2.00	24	54	310		388	<1	0.058	580	86
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite			blebs of cpy	870280		98.00	100.00	2.00	40	73	656		769	1.04	0.2727	2727	123
83.68	88.66	2b - Medium to coarse-grained homogeneous gabbro						870281		100.00	102.00	2.00	57	82	1015		1154	2.31	0.5899	5899	163
				med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; minor fine-gr disseminated albite			no visible sulphides	870282		102.00	104.00	2.00	47	67	623		737	1.33	0.4645	4645	126
				well defined upper and lower contact with heterogeneous gabbro, 3a				870283		104.00	106.00	2.00	40	59	570		669	1.67	0.4075	4075	100
			3a - Heterogeneous gabbro with patchy to pervasive albite			Trace to 0.5% disseminated sulphides		870284	mpg2				67	239	863		1169	1.43	0.3004	3004	320

				from 85.07-85.75 with well defined contacts with 2b		trace up to 0.5% fine to med-gr disseminated cpy within 3a
88.66	98.34	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine to med-gr disseminated cpy within 3a an
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		
			3b - Heterogeneous gabbro with skeletal magnetite			
				from 96.25-96.80		
			5b - Amphibole syenite			
				from 93.27-93.51 and 93.75-94.0 with carb/chl -filled stringers @90 to ca; from 93.90-93.95 fault gouge		
98.34	105.82	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	2-3% disseminated sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 2% fine to med-gr disseminated cpy and bornite
				minor patchy albite alteration; mod to intense chl alteration		
105.82	113.00	3a - Heterogeneous gabbro with patchy to pervasive albite			Local blebs to 2-4% sulphides	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		1% up to 10% fine to med-gr cpy: varies from scattered, dissemin.
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		grains up to 15cm wide lenses with fine-gr disseminated cpy
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		to very crs-gr smeared blebs
				from 112.40-113.0 intermix of 3a with wispy lenses of 5a		trace up to 0.5% fine to med-gr disseminated bornite
113.00	129.00	5a - Quartz syenite				
				pinkish red med-gr quartz syenite	Local blebs to 2-4% sulphides	
				from 113.15-114.0 brecciated appearance with scattered subrounded to angular chl-mag pods and lenses		from 113.0- 114.75 trace fine-gr disseminated cpy and with 2-4%
						smeared crs-gr cpy blebs from 113.15-114.0
						no visible sulphides
						from 114.75-129.0
129.00		EOH - End of Hole				

870285		106.00	108.00	2.00	73	89	879		1041	1.98	0.4908	4908	120	
870286		108.00	110.00	2.00	26	7	317		350	<1	0.2712	2712	68	
870287		110.00	112.00	2.00	45	36	511		592	1.28	0.6162	6162	114	
870288		112.00	114.00	2.00	51	7	685		743	1.27	0.5139	5139	91	
870289		114.00	116.00	2.00	34	20	335		389	1.22	0.2204	2204	24	
870290		116.00	118.00	2.00	12	7	97		116	<1	0.0528	528	6	
870291	d	116.00	118.00	2.00	15	7	64		86	<1	0.0422	422	4	
870292	b				2	7	5		14	<1	0.0001	1	<1	
870293	mpg1				295	1008	3723		5026	2.62	0.6542	6542	450	

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407225**
(Nad27)	**Easting**	**537680**
Elevation (m):		
Dip at Collar:		**-55**
Azimuth:		**90**
Total Depth:		**120m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
60 m	-56.3	
120 m	-56.8	

DDH:G-10-08

Property:	**Geordie Lake**
Zone:	
Date start:	**01-Feb-10**
Date finish:	**02-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein/David Leng**

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	39.90	2a - Coarse grained gabbro with plag lineation					no visible sulphides (except for two very fine-gr cpy specks)	870294		48.00	50.00	2.00	14	7	28		49	<1	0.0315	315	39
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @70-90deg to ca				870295		50.00	52.00	2.00	17	24	26		67	<1	0.0332	332	33
				abundant chl alteration of mafic minerals; minor fine-gr albite patches to moderate disseminated fine-gr albite				870296		52.00	54.00	2.00	11	47	27		85	<1	0.0288	288	27
				gradational contact with 2b: gradual loss of flow alignment of plg laths				870297		54.00	56.00	2.00	11	7	38		56	<1	0.0399	399	66
39.90	55.78	2b - Medium to coarse-grained homogeneous gabbro						870298		56.00	58.00	2.00	17	17	85		119	<1	0.1368	1368	60
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; moderate fine-gr disseminated albite			from 39.90-41.70 no visible sulphides	870299	d	56.00	58.00	2.00	14	22	100		136	<1	0.1217	1217	61
				gradational upper contact and well defined lower contact		Trace to 0.5% disseminated sulphides		870300		58.00	60.00	2.00	19	7	125		151	<1	0.1239	1239	64
							from 41.70-55.78 nil to trace fine-gr disseminated cpy	870301		60.00	62.00	2.00	13	32	157		202	<1	0.1538	1538	87
							from 41.71-41.73 0.5% fine to med-gr cpy	870302		62.00	64.00	2.00	30	7	283		320	<1	0.2052	2052	88
55.78	73.15	3a - Heterogeneous gabbro with patchy to pervasive albite						870303		64.00	66.00	2.00	22	7	196		225	<1	0.1542	1542	83
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides		870304		66.00	68.00	2.00	17	7	135		159	<1	0.1308	1308	73
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 2% fine to med-gr cpy disseminated in 3a and 3b	870305	b				2	7	5		14	<1	0.0002	2	<1
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			trace fine-gr disseminated bornite within 3m of lower contact	870306		68.00	70.00	2.00	14	7	187		208	<1	0.1332	1332	61
				bands up to 5cm wide				870307		70.00	72.00	2.00	25	7	220		252	<1	0.1646	1646	66
			3b - Heterogeneous gabbro with skeletal magnetite					870308		72.00	74.00	2.00	21	7	252		280	<1	0.1624	1624	86
				from 64.40-64.75, 65.27-65.77, 71.78-72.68				870309		74.00	76.00	2.00	21	30	330		381	<1	0.1466	1466	121
73.15	83.45	3b - Heterogeneous gabbro with skeletal magnetite						870310		76.00	78.00	2.00	37	24	301		362	1.25	0.2226	2226	73
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		0.5% to 1% disseminated sulphides		870311	mpg2				65	238	909		1212	<1	0.2801	2801	315
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			trace up to 1% fine to med-gr cpy disseminated within 3a	870312		78.00	80.00	2.00	37	17	123		177	<1	0.0516	516	83
				minor patchy albite alteration; mod to intense chl alteration		2-3% disseminated sulphides		870313		80.00	82.00	2.00	20	7	124		151	<1	0.0743	743	123
			3a - Heterogeneous gabbro with patchy to pervasive albite				1-3% fine to crs-gr cpy disseminated and as local blebs within	870314		82.00	84.00	2.00	9	27	50		86	<1	0.0426	426	61
				from 76.54-78.22			3a interval from 76.54-78.22	870315		84.00	86.00	2.00	8	18	23		49	<1	0.024	240	27
83.45	85.40	3a - Heterogeneous gabbro with patchy to pervasive albite						870316		86.00	88.00	2.00	9	7	18		34	<1	0.019	190	19
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870317		88.00	90.00	2.00	2	7	5		14	<1	0.0014	14	2
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace fine-gr disseminated cpy	870318		90.00	92.00	2.00	2	7	5		14	<1	0.0013	13	2
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite				870319		92.00	94.00	2.00	2	7	5		14	<1	0.0013	13	2
85.40	87.50	2c - Very fine to fine-grained homogeneous gabbro						870320		94.00	96.00	2.00	2	7	5		14	<1	0.0053	53	4
				fine to med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; very minor fine-gr dissemin. a		Trace to 0.5% disseminated sulphides		870321		96.00	98.00	2.00	5	7	29		41	<1	0.0248	248	17
				well defined upper contact with heterogeneous gabbro, 3a			trace fine-gr cpy	870322	d	96.00	98.00	2.00	8	7	23		38	<1	0.0229	229	16
87.50	96.30	5a - Quartz syenite						870323		98.00	100.00	2.00	14	7	27		48	<1	0.0296	296	14
				pinkish red quartz syenite with approx 50cm wide chilled margins (pinkish-gray, aphanitic) at upper and		Trace to 0.5% disseminated sulphides		870324		100.00	102.00	2.00	79	57	1186		1322	1.41	0.2951	2951	142
				contacts			trace sporadic fine-gr disseminated cpy	870325		102.00	104.00	2.00	103	92	1387		1582	3.15	0.7661	7661	157
				mainly fine to med-gr, equigranular with scattered intervals with med to crs-gr quartz eyes rimmed with kspar				870326		104.00	106.00	2.00	133	140	1842		2115	2.83	0.8121	8121	170
96.30	98.05	2c - Very fine to fine-grained homogeneous gabbro						870327		106.00	108.00	2.00	83	77	1265		1425	2.49	0.809	8090	161
				fine-gr plg-px-ol cumulate with moderate euhedral interstitial mag; very minor fine-gr disseminated albit		Trace to 0.5% disseminated sulphides		870328	b				2	7	5		14	<1	0.0002	2	<1
				well defined lower contact with heterogeneous gabbro, 3a			trace fine-gr cpy within 1-2mm wide albite stringers	870329		108.00	110.00	2.00	86	60	1133		1279	4.28	0.8514	8514	155
98.05	99.95	3a - Heterogeneous gabbro with patchy to pervasive albite						870330		110.00	112.00	2.00	48	7	632		687	<1	0.6439	6439	85
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870331		112.00	114.00	2.00	19	16	216		251	<1	0.1627	1627	35
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 0.5% fine to med-gr disseminated cpy	870332		114.00	116.00	2.00	14	137	5		156	<1	0.0089	89	4
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite				870333		116.00	118.00	2.00	9	7	5		21	<1	0.0133	133	3
99.95	109.06	3b - Heterogeneous gabbro with skeletal magnetite						870334	mpg1				274	963	3512		4749	2.48	0.6747	6747	435

				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides		870335		118.00	120.00	2.00	2	7	5		14	<1	0.0095	95	3
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		1-5% fine-gr disseminated cpy to very crs-gr local blebs															
				minor patchy albite alteration; mod to intense chl alteration		trace up to 3% fine to crs-gr disseminated bornite															
						at 108.13-108.15 very crs-gr smeared bleb of cpy: on broken core															
						face same bleb is massive cpy															
						from 106.80-107.35 chl-filled stringers subparallel to ca															
						with fine-gr cpy															
109.06	110.85	3a - Heterogeneous gabbro with patchy to pervasive albite																			
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 2-4% sulphides																
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		1-4% fine-gr disseminated cpy to very crs-gr local blebs															
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		trace up to 1% fine-gr disseminated bornite															
110.85	120.00	5a - Quartz syenite																			
				pinkish red med-gr quartz syenite	0.5% to 1% disseminated sulphides																
				well defined upper contact with 3a		from 110.85-113.90 trace up to 1% fine-gr cpy disseminated and															
				from 110.85-118.0 scattered chlorite-filled stringers		within chl stringers															
						no visible sulphides															
						from 113.90-120.0															
120.00		EOH - End of Hole																			

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407325**
(Nad27)	**Easting**	**537675**
Elevation (m):		
Dip at Collar:		**-55**
Azimuth:		**90**
Total Depth:		**126 m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
63 m	-59.7	
126 m	-60.2	

DDH:G-10-09

Property:	**Geordie Lake**
Zone:	
Date start:	**02-Feb-10**
Date finish:	**03-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**David Leng/Rachel Epstein**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	0.43	O/B - Overburden					870336		34.00	36.00	2.00	6	15	25		46	<1	0.0267	267	24
							870337		36.00	38.00	2.00	6	26	32		64	<1	0.0297	297	34
0.43	24.30	2a - Coarse grained gabbro with plag lineation					870338		38.00	40.00	2.00	9	7	54		70	<1	0.0581	581	58
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @70-90deg to ca		no visible sulphides	870339		40.00	42.00	2.00	17	26	108		151	<1	0.1441	1441	48
				abundant chl alteration of mafic minerals; minor fine-gr albite patches to moderate disseminated fine-gr albite			870340		42.00	44.00	2.00	14	30	175		219	<1	0.1614	1614	69
				gradational contact with 2b: gradual loss of flow alignment of plg laths			870341	d	42.00	44.00	2.00	11	31	156		198	<1	0.1406	1406	62
24.30	39.50	2b - Medium to coarse-grained homogeneous gabbro					870342		44.00	46.00	2.00	9	16	43		68	<1	0.0712	712	48
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi		Trace to 0.5% disseminated sulphides	870343		46.00	48.00	2.00	6	7	40		53	<1	0.0951	951	43
				gradational upper contact and well defined lower contact		trace fine-gr disseminated cpy	870344		48.00	50.00	2.00	21	7	149		177	<1	0.1423	1423	66
39.50	55.96	3a - Heterogeneous gabbro with patchy to pervasive albite					870345		50.00	52.00	2.00	24	7	163		194	<1	0.1139	1139	64
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides	870346		52.00	54.00	2.00	17	7	88		112	<1	0.0833	833	54
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to crs-gr disseminated cpy within 3a and 3b	870347	b				2	7	5		14	<1	0.0001	1	<1
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			870348		54.00	56.00	2.00	16	7	77		100	<1	0.0712	712	49
				bands up to 5cm wide			870349		56.00	58.00	2.00	18	7	136		161	<1	0.1447	1447	74
				3b - Heterogeneous gabbro with skeletal magnetite			870350		58.00	60.00	2.00	22	7	209		238	<1	0.107	1070	64
				from 42.0-42.82, 51.84-51.74			870351		60.00	62.00	2.00	30	7	331		368	<1	0.2796	2796	105
55.96	70.82	3b - Heterogeneous gabbro with skeletal magnetite				Trace to 0.5% disseminated sulphides	870352		62.00	64.00	2.00	35	7	403		445	<1	0.2081	2081	74
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		trace up to 1% disseminated fine to med-gr cpy scattered	870353	mpg2				64	292	886		1242	1.04	0.3068	3068	301
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		throughout most of unit except for two intervals:	870354		64.00	66.00	2.00	17	7	187		211	<1	0.0356	356	79
				minor patchy albite alteration; mod to intense chl alteration		Local blebs to 2-4% sulphides	870355		66.00	68.00	2.00	24	7	124		155	<1	0.0766	766	75
				3a - Heterogeneous gabbro with patchy to pervasive albite		from 57.35-58.25 2-4% fine-gr disseminated cpy to crs-gr	870356		68.00	70.00	2.00	13	7	43		63	<1	0.0179	179	79
				from 58.32-59.84, 62.73-63.54, 65.47-65.75, 66.50-66.70		cpy blebs rimmed by magnetite and/or chlorite	870357		70.00	72.00	2.00	15	7	39		61	<1	0.0197	197	36
						from 62.87-62.97 2-10% fine-gr disseminated cpy to very crs-g	870358		72.00	74.00	2.00	13	7	18		38	<1	0.0279	279	32
						cpy bleb rimmed by chlorite	870359		74.00	76.00	2.00	13	7	19		39	<1	0.0248	248	26
70.82	73.15	3a - Heterogeneous gabbro with patchy to pervasive albite					870360		76.00	78.00	2.00	7	7	21		35	<1	0.028	280	24
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides	870361		78.00	80.00	2.00	9	7	25		41	<1	0.0278	278	20
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine-gr disseminated cpy	870362		80.00	82.00	2.00	8	7	25		40	<1	0.0247	247	19
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite EXCEPT for: from 70.82-			870363		82.00	84.00	2.00	8	16	36		60	<1	0.0252	252	36
				71.22 - 40cm wide albite-rich band			870364	d	82.00	84.00	2.00	8	16	105		129	<1	0.0343	343	51
				gradational lower contact with homogeneous gabbro 2b/2c (med to fine-gr gabbro)			870365		84.00	86.00	2.00	16	19	233		268	<1	0.0695	695	86
73.15	77.35	2c - Very fine to fine-grained homogeneous gabbro					870366		86.00	88.00	2.00	83	54	725		862	416.25	0.513	5130	352
				fine to med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; very minor fine-gr dissemin. a		Trace to 0.5% disseminated sulphides	870367		88.00	90.00	2.00	60	47	725		832	2.84	0.4908	4908	118
				gradational upper contact with heterogeneous gabbro, 3a		trace fine-gr disseminated cpy	870368		90.00	92.00	2.00	45	51	556		652	1.81	0.3845	3845	153
77.15	83.55	3a - Heterogeneous gabbro with patchy to pervasive albite					870369		92.00	94.00	2.00	38	7	458		503	1.17	0.3291	3291	107
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides	870370	b				2	7	5		14	<1	0.00005	0.5	<1
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine-gr disseminated cpy within 3a and 3b	870371		94.00	96.00	2.00	22	39	125		186	<1	0.0797	797	37
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite			870372		96.00	98.00	2.00	18	40	133		191	<1	0.0899	899	44
				2b - Medium to coarse-grained homogeneous gabbro			870373		98.00	100.00	2.00	50	85	666		801	1.03	0.269	2690	105
				from 79.42-79.62, 80.77-81.18 both are gradational to 3a with very minor pervasive albite			870374		100.00	102.00	2.00	72	89	1010		1171	2.33	0.6133	6133	158
				3b - Heterogeneous gabbro with skeletal magnetite			870375		102.00	104.00	2.00	87	108	966		1161	2.34	0.5972	5972	190
				from 83.22-83.45			870376	mpg1				298	1123	3811		5232	2.75	0.6482	6482	428

83.55	93.95	3b - Heterogeneous gabbro with skeletal magnetite		0.5% to 1% disseminated sulphides		
			med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		trace up to 1% fine to med-gr disseminated cpy within 3b and 3	
			magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 2% fine to crs-gr disseminated bornite within 3b, 3a	
			minor patchy albite alteration; mod to intense chl alteration			
			from 84.0-85.30 scattered intervals of ground core			
		3a - Heterogeneous gabbro with patchy to pervasive albite				
			from 89.23-89.81, 93.37-93.65			
93.95	99.30	3a - Heterogeneous gabbro with patchy to pervasive albite				
			med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides		
			texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine-gr disseminated cpy	
			minor fine-gr albite patches to abundant pervasive networks of fine to med-gr albite			
99.30	106.78	3b - Heterogeneous gabbro with skeletal magnetite				
			med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides		
			magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace fine-gr disseminated cpy up to 5-7% local very crs-gr blebs	
			minor patchy albite alteration; mod to intense chl alteration		of cpy; at 106.58-106.60 fracture @45 to ca with massive cpy	
			approx 1/3 of unit is scattered intervals of 3a		trace up to 2% fine to crs-gr disseminated bornite - alone or	
		3a - Heterogeneous gabbro with patchy to pervasive albite			intergrown with cpy	
			from 100.64-100.80, 100.94-101.24, 101.90-102.30, 102.70-103.05, 104.72-106.34			
106.78	108.55	3a - Heterogeneous gabbro with patchy to pervasive albite		0.5% to 1% disseminated sulphides		
			med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		trace up to 2% fine to med-gr disseminated cpy	
			texture varies from subophitic to ophitic to cumulate; mod chl alteration			
			minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite			
108.55	126.00	5a - Quartz syenite				
			pinkish red quartz syenite; scattered chl stringers	0.5% to 1% disseminated sulphides		
			diffuse contact with 3a		from 108.55-110.35 trace up to 2% fine to crs-gr dissem. cpy	
					no visible sulphides	
					from 110.35-126.0	
126.00		EOH - End of Hole				

870377		104.00	106.00	2.00	109	75	973		1157	3.12	0.8824	8824	180	
870378		106.00	108.00	2.00	82	90	1102		1274	3.28	0.8645	8645	189	
870379		108.00	110.00	2.00	169	53	907		1129	2.49	0.7328	7328	111	
870380		110.00	112.00	2.00	13	51	137		201	<1	0.1414	1414	20	
870381		112.00	114.00	2.00	14	7	60		81	<1	0.0446	446	7	
870382		114.00	116.00	2.00	2	20	5		27	<1	0.0041	41	2	
870383	d	114.00	116.00	2.00	6	17	5		28	<1	0.0048	48	3	
870384	b				2	7	5		14	<1	0.00005	0.5	<1	
870385	mpg2				65	224	825		1114	<1	0.2651	2651	299	

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407250**
(Nad27)	**Easting**	**537575**
Elevation (m):		**368**
Dip at Collar:		**-72**
Azimuth:		**90**
Total Depth:		**199m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
67 m	-71.1	
133 m	-72.1	
199 m	-72.5	

DDH:G-10-10

Property:	**Geordie Lake**
Zone:	
Date start:	**03-Feb-10**
Date finish:	**07-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein/David Leng**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	1.50	O/B - Overburden					870386		98.00	100.00	2.00	16	24	29		69	1.77	0.026	260	40
							870387		100.00	102.00	2.00	9	45	23		77	1.73	0.0222	222	40
1.50	20.35	2a - Coarse grained gabbro with plag lineation					870388		102.00	104.00	2.00	14	37	28		79	1.44	0.0281	281	37
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90deg to ca		no visible sulphides	870389		104.00	106.00	2.00	13	29	25		67	1.6	0.0387	387	38
				abundant chl alteration of mafic minerals; minor fine-gr albite patches to moderate disseminated fine-gr albite			870390		106.00	108.00	2.00	10	20	28		58	1.35	0.0242	242	42
20.35	26.24	5a - Quartz syenite					870391	d	106.00	108.00	2.00	14	7	27		48	1.45	0.025	250	44
				pinkish red quartz syenite with very sharp chilled margins (pinkish-gray, aphanitic) at upper and lower		no visible sulphides	870392		108.00	110.00	2.00	11	28	24		63	1.53	0.0241	241	44
				contacts (same for dikelet from 25.38-26.24)			870393		110.00	112.00	2.00	12	37	27		76	1.67	0.0285	285	46
				mainly fine to med-gr, equigranular with scattered intervals with med to crs-gr quartz eyes rimmed with kspar			870394		112.00	114.00	2.00	16	7	16		39	1.49	0.0292	292	50
			2a - Coarse grained gabbro with plag lineation				870395		114.00	116.00	2.00	17	7	33		57	1.87	0.0324	324	71
				from 24.90-25.38			870396		116.00	118.00	2.00	22	24	120		166	2.32	0.1251	1251	74
26.24	83.25	2a - Coarse grained gabbro with plag lineation					870397	b				2	7	5		14	1.32	0.0001	1	2
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90deg to ca		no visible sulphides - except a couple of med-gr cpy specks	870398		118.00	120.00	2.00	18	26	114		158	1.23	0.1138	1138	74
				abundant chl alteration of mafic minerals; minor fine-gr albite patches to moderate disseminated fine-gr albite			870399		120.00	122.00	2.00	21	24	151		196	2.42	0.1678	1678	96
				gradational contact with 2b: gradual loss of flow alignment of plg laths			870400		122.00	124.00	2.00	10	7	89		106	1.96	0.087	870	87
83.25	103.25	2b - Medium to coarse-grained homogeneous gabbro					870401		124.00	126.00	2.00	17	7	46		70	1.58	0.0412	412	60
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albite		no visible sulphides - except a few very fine-gr cpy specks	870402		126.00	128.00	2.00	13	7	72		92	2.54	0.0962	962	74
				gradational upper contact and lower contact - UNUSUAL for 2b/3a contact to be gradational			870403	mpg1				272	1008	3472		4752	5.3	0.6562	6562	439
103.25	117.10	3a - Heterogeneous gabbro with patchy to pervasive albite					870404		128.00	130.00	2.00	16	27	113		156	2.25	0.1501	1501	66
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides		870405		130.00	132.00	2.00	22	38	136		196	2.48	0.1786	1786	69
				texture is predominantly cumulate; mod chl alteration-gradational upper contact with 2b		trace up to 0.5% fine to med-gr disseminated cpy	870406		132.00	134.00	2.00	18	7	82		107	2.33	0.0714	714	65
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite			870407		134.00	136.00	2.00	17	17	76		110	2.26	0.0421	421	53
117.10	139.62	3b - Heterogeneous gabbro with skeletal magnetite					870408		136.00	138.00	2.00	11	17	58		86	2.2	0.043	430	57
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	2-3% disseminated sulphides		870409		138.00	140.00	2.00	12	7	50		69	2.18	0.0364	364	54
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal;		trace up to 3% fine to crs-gr disseminated cpy throughout unit	870410		140.00	142.00	2.00	11	7	78		96	2.04	0.052	520	64
				minor patchy albite alteration; mod to intense chl alteration; difficult to distinguish skeletal texture due t	Local blebs to 2-4% sulphides		870411		142.00	144.00	2.00	29	7	146		182	2.69	0.1138	1138	79
				chl alteration		from 120.20-123.15 2% up to 10% fine to very crs-gr dissemin	870412		144.00	146.00	2.00	34	7	366		407	3.25	0.2113	2113	114
			3a - Heterogeneous gabbro with patchy to pervasive albite			po (with 2% disseminated cpy)	870413		146.00	148.00	2.00	55	51	507		613	4.14	0.2785	2785	95
				from 133.92-134.26, 138.60-138.92			870414	d	146.00	148.00	2.00	33	19	341		393	5.86	0.2746	2746	97
139.62	152.58	3a - Heterogeneous gabbro with patchy to pervasive albite					870415		148.00	150.00	2.00	34	46	211		291	2.56	0.069	690	78
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 1-2% sulphides		870416		150.00	152.00	2.00	30	7	162		199	2.5	0.0666	666	97
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 3% cpy: as fine to med-gr disseminated to crs-gr	870417		152.00	154.00	2.00	10	7	64		81	2.44	0.0421	421	128
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		smeared blebs	870418		154.00	156.00	2.00	45	7	44		96	1.97	0.0164	164	106
				bands up to 5cm wide		trace fine-gr disseminated bornite	870419		156.00	158.00	2.00	22	7	87		116	1.94	0.0198	198	90
			3b - Heterogeneous gabbro with skeletal magnetite				870420	b				2	7	5		14	1.22	0.00005	0.5	1
				from 143.09-143.44, 144.37-145.33, 145.52-146.27, 149.13-149.77, 150.13-151.23			870421		158.00	160.00	2.00	12	7	19		38	1.77	0.025	250	48
152.58	158.46	3b - Heterogeneous gabbro with skeletal magnetite					870422		160.00	162.00	2.00	8	23	20		51	1.8	0.0236	236	50
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Trace to 0.5% disseminated sulphides		870423		162.00	164.00	2.00	16	7	24		47	1.88	0.0282	282	56
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 0.5% fine to med-gr disseminated cpy	870424		164.00	166.00	2.00	14	7	21		42	1.77	0.0257	257	46
				minor patchy albite alteration; mod to intense chl alteration			870425		166.00	168.00	2.00	20	7	21		48	1.75	0.0275	275	42
158.46	174.90	3a - Heterogeneous gabbro with patchy to pervasive albite					870426	mpg2				75	259	814		1148	3.37	0.2668	2668	327

				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine to med-gr disseminated cpy within 3a
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		trace very fine-gr cpy specks disseminated within 2c
				bands up to 5cm wide		
			2c - Very fine to fine-grained homogeneous gabbro			
				from 161.20-161.50, 161.72-162.42		
174.90	183.80	3b - Heterogeneous gabbro with skeletal magnetite			Local blebs to 2-4% sulphides	
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		intervals of very coarse (5-15 mm) chalcopyrite and bornite,
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		bn frequently appears exsolved within cpy grains
				minor patchy albite alteration; mod to intense chl alteration		abundant fine grained disseminated cpy within groundmass
183.80	187.92	3a - Heterogeneous gabbro with patchy to pervasive albite			Local blebs to 1-2% sulphides	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		coarse to very coarse (5-20 mm) grains of chalcopyrite presen
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		as 'trains' of several grains end on end
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		abundant fine grained disseminated cpy within groundmass
187.92	199.00	5a - Quartz syenite		pinkish red quartz syenite with gradational contact with overlying gabbro, intense chlorite alteration	Trace to 0.5% disseminated sulphides	
				1.5 m into syenite from contact		chalcopyrite continues into syenite to 191.45 then disappears
199.00		EOH - End of Hole				

870427		168.00	170.00	2.00	12	7	18		37	1.56	0.0279	279	41
870428		170.00	172.00	2.00	17	7	18		42	1.54	0.0261	261	39
870429		172.00	174.00	2.00	16	18	22		56	1.72	0.0279	279	39
870430		174.00	176.00	2.00	43	54	530		627	2.64	0.0538	538	97
870431		176.00	178.00	2.00	99	92	1304		1495	4.98	0.4728	4728	196
870432		178.00	180.00	2.00	109	106	1549		1764	6.37	0.6034	6034	216
870433		180.00	182.00	2.00	191	141	2182		2514	8.26	1.0289	10289	303
870434		182.00	184.00	2.00	114	156	1799		2069	14.66	0.9186	9186	245
870435		184.00	186.00	2.00	83	130	720		933	3.24	0.6041	6041	138
870436	d	184.00	186.00	2.00	74	131	743		948	3.83	0.5602	5602	151
870437		186.00	188.00	2.00	39	95	594		728	2.19	0.3144	3144	97
870438		188.00	190.00	2.00	23	69	244		336	1.35	0.1259	1259	35
870439		190.00	192.00	2.00	51	89	431		571	2.1	0.1882	1882	47
870440		192.00	194.00	2.00	29	7	49		85	1.17	0.042	420	37
870441		194.00	196.00	2.00	16	7	89		112	1.06	0.045	450	21
870442	b				2	7	5		14	1.05	0.0001	1	2
870443		196.00	199.00	3.00	8	7	5		20	1.54	0.023	230	13
870444	mpg1				292	1040	3474		4806	5.88	0.7162	7162	431

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS: 42 D / 16

UTM (Nad27)	
Northing	5407325
Easting	537575
Elevation (m):	368
Dip at Collar:	-65
Azimuth:	90
Total Depth:	225m
Core Size:	NQ

Remarks: Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario

DIAMOND DRILL CORE LOG
REFLEX EZ-SHOT

Depth	Dip	Azimuth
70	-65.9	
141	-66.7	
225	-67.3	

DDH:G-10-11

Property: Geordie Lake
Zone:
Date start: 07-Feb-10
Date finish: 09-Feb-10
Contractor: CABO DRILLING
Logged by: Rachel Epstein/David Leng

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	49.60	2a - Coarse grained gabbro with plag lineation						870445		84.00	86.00	2.00	11	7	5		23	1.77	0.0154	154	40
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90deg to ca			no visible sulphides except a few very fine-gr cpy specks	870446		86.00	88.00	2.00	9	7	48		64	1.68	0.0252	252	46
				abundant chl alteration of mafic minerals; minor fine-gr albite patches to moderate disseminated fine-gr albite				870447		88.00	90.00	2.00	11	7	13		31	1.56	0.0269	269	45
49.60	79.70	2b - Medium to coarse-grained homogeneous gabbro						870448		90.00	92.00	2.00	8	7	15		30	1.73	0.0208	208	45
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi		Trace to 0.5% disseminated sulphides		870449		92.00	94.00	2.00	15	7	14		36	1.68	0.0218	218	45
				gradational upper contact			from 75.95-79.70 trace fine-gr disseminated cpy	870450	d	92.00	94.00	2.00	12	7	5		24	1.47	0.0186	186	40
79.70	84.75	5a - Quartz syenite						870451		94.00	96.00	2.00	14	7	21		42	1.51	0.022	220	42
				pinkish red quartz syenite with very sharp chilled margins (pinkish-gray, aphanitic) at upper and lower			no visible sulphides	870452		96.00	98.00	2.00	16	7	25		48	1.65	0.0258	258	43
				contacts				870453		98.00	100.00	2.00	17	7	18		42	1.44	0.0239	239	41
				mainly fine to med-gr, equigranular with scattered intervals with med to crs-gr quartz eyes rimmed with kspar				870454		100.00	102.00	2.00	15	7	20		42	1.64	0.0248	248	37
84.75	89.92	2b - Medium to coarse-grained homogeneous gabbro						870455		102.00	104.00	2.00	15	7	18		40	1.56	0.0226	226	38
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi		Trace to 0.5% disseminated sulphides		870456	b				2	7	5		14	1.38	0.00005	0.5	1
				well defined lower contact with heterogeneous gabbro			trace fine-gr disseminated cpy	870457		104.00	106.00	2.00	31	7	26		64	1.93	0.0275	275	38
89.92	150.96	3a - Heterogeneous gabbro with patchy to pervasive albite						870458		106.00	108.00	2.00	14	7	24		45	1.89	0.0285	285	44
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870459		108.00	110.00	2.00	21	17	32		70	1.8	0.0277	277	47
				texture is predominantly cumulate; mod chl alteration-gradational upper contact with 2b			from 89.92-115.30 trace up to 0.5% fine-gr disseminated cpy	870460		110.00	112.00	2.00	2	7	5		14	2.29	0.0343	343	58
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		2-3% disseminated sulphides		870461		112.00	114.00	2.00	2	7	43		52	2.1	0.0395	395	69
				from 113.78-150.96 scattered albite-rich bands from 2cm up to 14cm wide			from 115.30-150.96 0.5% up to 3% fine to crs-gr disseminated	870462	mpg2				71	208	755		1034	2.96	0.2866	2866	320
			3b - Heterogeneous gabbro with skeletal magnetite				and fine-gr cpy within 1-2mm wide chl stringers	870463		114.00	116.00	2.00	2	7	41		50	2.16	0.0374	374	75
				from 122.30-122.70, 123.45-123.78, 126.44-127.0, 136.41-136.56, 141.0-141.09, 142.28-143.53, 143.12-143.22,			trace fine to med-gr disseminated po	870464		116.00	118.00	2.00	2	7	54		63	1.98	0.0642	642	59
				143.36-143.56, 143.73-143.82; all with skeletal magnetite difficult to distinguish due to chlorite alteration				870465		118.00	120.00	2.00	6	19	83		108	2.59	0.1459	1459	72
			2c - Very fine to fine-grained homogeneous gabbro					870466		120.00	122.00	2.00	5	7	68		80	2.37	0.087	870	64
				from 130-.05-130.11 with well defined contacts				870467		122.00	124.00	2.00	2	7	50		59	1.9	0.0707	707	58
150.96	164.65	3b - Heterogeneous gabbro with skeletal magnetite						870468		124.00	126.00	2.00	2	24	80		106	2.42	0.0618	618	70
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		Local blebs to 2-4% sulphides		870469		126.00	128.00	2.00	7	7	85		99	2.49	0.0937	937	72
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			trace up to 4% cpy as fine-gr disseminated up to smeared crs-	870470		128.00	130.00	2.00	2	7	108		117	2.6	0.1123	1123	72
				minor patchy albite alteration; mod to intense chl alteration			blebs and within scattered 1-2mm wide chl stringers	870471		130.00	132.00	2.00	8	16	102		126	2.23	0.1113	1113	63
			3a - Heterogeneous gabbro with patchy to pervasive albite					870472		132.00	134.00	2.00	2	7	56		65	2.11	0.0608	608	44
				from 151.64-151.86, 152.40-152.51, 153.09-153.71				870473	d	132.00	134.00	2.00	2	21	47		70	2.17	0.0583	583	43
164.65	176.30	3a - Heterogeneous gabbro with patchy to pervasive albite						870474		134.00	136.00	2.00	10	7	75		92	2.24	0.0808	808	49
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870475		136.00	138.00	2.00	2	24	24		50	1.81	0.0289	289	36
				texture is predominantly cumulate; mod chl alteration-gradational upper contact with 2b			trace up to 1% cpy as fine to med-gr disseminated and as fine-	870476		138.00	140.00	2.00	70	7	30		107	1.9	0.0348	348	37
				minor fine-gr albite patches to abundant pervasive networks of fine to med-gr albite			within 1-3mm wide chl stringers	870477		140.00	142.00	2.00	2	7	29		38	2.08	0.0463	463	48
176.30	201.29	3b - Heterogeneous gabbro with skeletal magnetite						870478		142.00	144.00	2.00	2	26	85		113	2.37	0.086	860	59
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		2-3% disseminated sulphides		870479	b				2	7	5		14	1.74	0.0001	1	1
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			from 176.30-182.08 trace up to 3% fine to crs-gr dissemin, cpy	870480		144.00	146.00	2.00	2	18	37		57	2.41	0.0394	394	51
				minor patchy albite alteration; mod to intense chl alteration			trace up to 1% fine to med-gr disseminated bornite	870481		146.00	148.00	2.00	2	7	45		54	2.32	0.0464	464	53
			3a - Heterogeneous gabbro with patchy to pervasive albite			3-5% disseminated sulphides		870482		148.00	150.00	2.00	14	7	50		71	2.24	0.0449	449	38
				from 186.12-186.94, 196.43-196.95			from 182.08-201.29 1% up to 7% fine to crs-gr cpy as dissemin	870483		150.00	152.00	2.00	12	19	120		151	2.63	0.1166	1166	71
							smeared crs-gr blebs, and within 1-2mm wide chl stringers	870484		152.00	154.00	2.00	19	24	131		174	3.55	0.1759	1759	109
							trace up to 2% fine to med-gr disseminated bornite; some is	870485	mpg1				260	988	3519		4767	5.85	0.7292	7292	458

						intergrown with cpy
201.29	225.00	5a - Quartz syenite				
				pinkish red med-gr quartz syenite with numerous chl-filled fractures and chl-filled stringers	0.5% to 1% disseminated sulphides	
				well defined upper contact with heterogeneous gabbro		from 201.29-210.62 trace up to 2% fine to med-gr cpy as
						disseminated and within 1-3mm wide chl stringers
						no visible sulphides
						from 210.62-225.0
225.00		EOH - End of Hole				

870486		154.00	156.00	2.00	22	7	225		254	4.03	0.1972	1972	116	
870487		156.00	158.00	2.00	27	22	408		457	3.56	0.1186	1186	132	
870488		158.00	160.00	2.00	18	7	181		206	3.43	0.1115	1115	111	
870489		160.00	162.00	2.00	18	7	128		153	3.61	0.157	1570	159	
870490		162.00	164.00	2.00	10	7	52		69	2.8	0.1031	1031	119	
870491		164.00	166.00	2.00	12	7	32		51	2.35	0.0314	314	60	
870492		166.00	168.00	2.00	11	7	21		39	2.23	0.0278	278	48	
870493		168.00	170.00	2.00	8	7	25		40	2.28	0.0391	391	45	
870494		170.00	172.00	2.00	10	7	17		34	2.27	0.0265	265	35	
870495	d	170.00	172.00	2.00	8	7	21		36	2.29	0.0317	317	37	
870496		172.00	174.00	2.00	11	7	16		34	2.07	0.0286	286	33	
870497		174.00	176.00	2.00	6	7	146		159	2.18	0.0234	234	43	
870498		176.00	178.00	2.00	2	7	22		31	3.64	0.1247	1247	179	
870499		178.00	180.00	2.00	37	54	600		691	3.65	0.2282	2282	163	
870500		180.00	182.00	2.00	47	49	712		808	4.67	0.4145	4145	209	
870501	b				2	7	5		14	1.59	0.0002	2	2	
870502		182.00	184.00	2.00	36	40	481		557	4.21	0.3628	3628	133	
870503		184.00	186.00	2.00	29	7	216		252	3.08	0.1926	1926	84	
870504		186.00	188.00	2.00	29	16	254		299	2.89	0.2243	2243	78	
870505		188.00	190.00	2.00	98	110	1515		1723	9.05	0.653	6530	276	
870506		190.00	192.00	2.00	69	83	1036		1188	6.48	0.6557	6557	200	
870507	mpg2				68	264	792		1124	3.45	0.2651	2651	326	
870508		192.00	194.00	2.00	69	67	855		991	5.36	0.4873	4873	191	
870509		194.00	196.00	2.00	93	69	1287		1449	6.77	0.7158	7158	234	
870510		196.00	198.00	2.00	104	99	1449		1652	6.63	0.8862	8862	240	
870511		198.00	200.00	2.00	194	181	2364		2739	10.44	1.2421	12421	386	
870512		200.00	202.00	2.00	141	89	1477		1707	8.93	1.4787	14787	190	
870513		202.00	204.00	2.00	46	62	782		890	3.49	0.7468	7468	86	
870514		204.00	206.00	2.00	29	35	563		627	1.84	0.3719	3719	68	
870515		206.00	208.00	2.00	17	16	404		437	1.59	0.2656	2656	44	
870516		208.00	210.00	2.00	13	34	204		251	1.51	0.1686	1686	30	
870517		210.00	212.00	2.00	9	7	5		21	1.46	0.0666	666	13	
870518	d	210.00	212.00	2.00	14	7	5		26	1.56	0.0762	762	13	
870519		212.00	214.00	2.00	2	7	5		14	1.27	0.007	70	13	
870520	b				2	7	5		14	1.6	0.00005	0.5	1	
870521	mpg1				302	1068	3472		4842	5.96	0.6987	6987	436	

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS: 42 D / 16

UTM		
(Nad27)	Northing	5407150
	Easting	537660
Elevation (m):		
Dip at Collar:		-55
Azimuth:		90
Total Depth:		135.5m
Core Size:		NQ

Remarks: Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario

DIAMOND DRILL CORE LOG

Reflex EZ_Shot

Depth	Dip	Azimuth
67m	-57.3	
135m	-57.9	

DDH:G-10-12

Property: Geordie Lake
Zone:
Date start: 09-Feb-10
Date finish: 11-Feb-10
Contractor: CABO DRILLING
Logged by: Rachel Epstein

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	1.50	O/B - Overburden					870522		61.00	63.00	2.00	6	7	29		42	2.16	0.0359	359	47
							870523		63.00	65.00	2.00	6	7	28		41	2.06	0.0322	322	52
1.50	42.65	2a - Coarse grained gabbro with plag lineation					870524		65.00	67.00	2.00	15	7	31		53	2.42	0.0442	442	82
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @70-90deg to ca		no visible sulphides	870525		67.00	69.00	2.00	10	7	96		113	2.83	0.16	1600	79
				abundant chl alteration of mafic minerals; minor fine-gr albite patches to moderate disseminated fine-gr albite			870526		69.00	71.00	2.00	8	7	115		130	2.76	0.143	1430	82
			5b - Amphibole syenite				870527	d	69.00	71.00	2.00	9	7	109		125	2.95	0.1478	1478	83
				from 1.50-1.85 med-gr pinkish red syenite; no visible contacts due to rubbly core of syenite			870528		71.00	73.00	2.00	18	17	76		111	2.9	0.0841	841	95
42.65	67.20	2b - Medium to coarse-grained homogeneous gabbro					870529		73.00	75.00	2.00	13	7	176		196	3.07	0.1497	1497	114
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albite		no visible sulphides	870530		75.00	77.00	2.00	19	16	280		315	3.83	0.2147	2147	123
				gradational upper contact and well defined lower contact			870531		77.00	79.00	2.00	24	7	299		330	4.08	0.3001	3001	108
67.20	87.20	3a - Heterogeneous gabbro with patchy to pervasive albite					870532		79.00	81.00	2.00	15	35	182		232	2.93	0.1424	1424	93
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	2-3% disseminated sulphides		870533	b				2	7	5		14	1.68	0.0001	1	1
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		0.5% up to 4% fine to crs-gr cpy: disseminated and as smeare	870534		81.00	83.00	2.00	27	70	307		404	3.64	0.2196	2196	112
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		blebs	870535		83.00	85.00	2.00	31	44	457		532	3.56	0.1966	1966	130
				bands up to 5-10cm wide			870536		85.00	87.00	2.00	36	35	373		444	3.7	0.2636	2636	107
			3b - Heterogeneous gabbro with skeletal magnetite				870537		87.00	89.00	2.00	65	46	196		307	3.05	0.092	920	135
				from 75.46-75.72, 76.59-76.92, 78.80-79.0			870538		89.00	91.00	2.00	12	7	91		110	2.6	0.0877	877	125
87.20	95.56	3b - Heterogeneous gabbro with skeletal magnetite					870539	mpg2				72	213	820		1105	3.42	0.2705	2705	314
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	0.5% to 1% disseminated sulphides		870540		91.00	93.00	2.00	14	26	67		107	2.44	0.0556	556	79
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 1% fine-gr cpy: disseminated and within 1-3mm wid	870541		93.00	95.00	2.00	9	23	62		94	2.31	0.0831	831	50
				minor patchy albite alteration; mod to intense chl alteration		chlorite stringers	870542		95.00	97.00	2.00	2	7	33		42	1.89	0.029	290	53
95.56	97.15	3a - Heterogeneous gabbro with patchy to pervasive albite					870543		97.00	99.00	2.00	2	7	20		29	1.8	0.0262	262	41
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides		870544		99.00	101.00	2.00	2	7	17		26	1.85	0.0257	257	48
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine-gr cpy	870545		101.00	103.00	2.00	11	7	15		33	1.79	0.0266	266	45
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite			870546		103.00	105.00	2.00	9	21	14		44	1.84	0.0305	305	38
97.15	101.85	2c - Very fine to fine-grained homogeneous gabbro					870547		105.00	107.00	2.00	6	7	13		26	2.63	0.0385	385	41
				fine to med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; very minor fine-gr dissemin. albite		no visible sulphides throughout unit (2c, 3a, 5b)	870548		107.00	109.00	2.00	6	7	14		27	1.89	0.0263	263	27
				well defined upper and lower contacts with heterogeneous gabbro, 3a			870549		109.00	111.00	2.00	5	7	12		24	2.02	0.0263	263	28
			3a - Heterogeneous gabbro with patchy to pervasive albite				870550	d	109.00	111.00	2.00	9	24	15		48	2.02	0.0287	287	27
				from 99.50-100.70			870551		111.00	113.00	2.00	31	22	548		601	3.03	0.1315	1315	106
			5b - Amphibole syenite				870552		113.00	115.00	2.00	90	74	1241		1405	6.21	0.5829	5829	184
				from 101.65-101.85			870553		115.00	117.00	2.00	131	115	1974		2220	7.44	0.9215	9215	232
101.85	110.90	3a - Heterogeneous gabbro with patchy to pervasive albite					870554		117.00	119.00	2.00	90	35	1574		1699	6.2	0.9317	9317	183
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides		870555		119.00	121.00	2.00	42	21	768		831	2.95	0.8178	8178	81
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to med-gr cpy: disseminated and within	870556	b				2	7	5		14	1.64	0.0004	4	1
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		1-3mm wide chlorite stringers	870557		121.00	123.00	2.00	2	7	5		14	1.26	0.0099	99	15
			2c - Very fine to fine-grained homogeneous gabbro		Trace to 0.5% disseminated sulphides		870558		123.00	125.00	2.00	7	7	5		19	1.31	0.0142	142	14
				from 108.15-109.12		nil up to 0.5% fine-gr cpy within chl stringers in the 2c subunit	870559	mpg1				272	1029	3577		4878	6.15	0.7204	7204	427
110.90	119.35	3b - Heterogeneous gabbro with skeletal magnetite																		
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 1-2% sulphides															
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 2% fine to crs-gr cpy: disseminated, smeared														

				minor patchy albite alteration; mod to intense chl alteration		blebs and within 1-2mm wide chl stringers
						trace up to 1% fine to med-gr disseminated bornite
119.35	135.50	5a - Quartz syenite				
				from 119.35-119.50 intermix of 3b and quartz syenite	2-3% disseminated sulphides	
				pinkish-red med-gr quartz syenite with few widely scattered chl-filled healed fractures		from 119.35-120.20 1-3% very fine-gr disseminated cpy
						no visible sulphides
						from 120.20-135.5
135.50		EOH - End of Hole				

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

DDH:G-10-13

NTS:		**42 D / 16**
UTM	**Northing**	**5407125**
(Nad27)	**Easting**	**537596**
Elevation (m):		
Dip at Collar:		**-77**
Azimuth:		**90**
Total Depth:		**200**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG

Reflex EZ-Shot

Depth	Dip	Azimuth
68m	-77.4	
134m	-77.7	
200m	-78.1	

Property:	**Geordie Lake**
Zone:	
Date start:	**Feb12-10**
Date finish:	**Feb14-10**
Contractor:	**CABO DRILLING**
Logged by:	**Jessica Borysenko/Rachel Epstein**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	1.10	O/B - Overburden					870560		28.00	30.00	2.00	14	23	25		62	3.58	0.0266	266	48
1.10	82.25	2a - Coarse grained gabbro with plag lineation			Trace to 0.5% disseminated sulphides		870561		30.00	32.00	2.00	16	23	33		72	<1	0.0257	257	22
				med-crs gr plag + cumulative oli + pyx rich gabbro with locally aligned plag laths trending 70-80deg to ca		from 28-~41m - trace very fn gr py > cpy (2:1) with few pockets	870562		32.00	34.00	2.00	19	7	21		47	1.41	0.0282	282	32
				mild to locally mod fracturing from 2.5-5m		up to 0.5% very fn to fn gr py + cpy up to 7cm thick	870563		34.00	36.00	2.00	18	7	29		54	<1	0.0266	266	22
				mod to locally abundant med gr interstitial mt, mod to abundantly chloritized mafics (pyx)		few trace flecks of fn gr cpy from 70.45-71.3 with a small	870564		36.00	38.00	2.00	17	7	28		52	<1	0.0336	336	20
				few small pockets of pink albitization varying in widths from 5cm to 75cm (increasing from 23.8-32m)		pocket of up to 0.5% cumulative cpy from 71.05-71.1	870565	d	36.00	38.00	2.00	20	7	38		65	<1	0.0377	377	21
				few 0.5-1cm thick carb (+/- calcite) filled fractured from 22.6-23.05			870566		38.00	40.00	2.00	15	7	17		39	<1	0.0272	272	17
				6-8mm carb + calcite veining from 44.85-45.2 cutting core subparallel to core axis			870567		40.00	42.00	2.00	25	7	24		56	<1	0.0211	211	19
				from ~62.4 -77m decrease in gr size - gradational			870568		70.00	72.00	2.00	27	7	26		60	<1	0.0287	287	36
82.25	101.70	2b - Medium to coarse-grained homogeneous gabbro			Trace to 0.5% disseminated sulphides		870569		96.00	98.00	2.00	23	7	23		53	1.3	0.0247	247	24
				med-crs gr plag+cumulative oli+pyx rich homogeneous gabbro with mod to abundant med to locally crs gr		few trace flecks of fn gr cpy + py noted from ~96m-101.7 with	870570		98.00	100.00	2.00	20	7	29		56	<1	0.0256	256	27
				interstitial (locally cumulative) mt with minor fn gr albitized pockets		up to 0.5% cpy +py from 101.8-102m	870571	b				2	7	5		14	<1	0.0002	2	<1
				upper contact is gradational			870572		100.00	102.00	2.00	18	7	23		48	<1	0.0228	228	31
				increased albitization downhole			870573		102.00	104.00	2.00	59	7	30		96	<1	0.0282	282	39
				from ~84-~91.5- increase white opaque, very defined 2-8mm laths of plag with no preferred orientation			870574		104.00	106.00	2.00	21	7	41		69	<1	0.0373	373	62
				few localized 1-2mm thick carb + calcite filled fractures from 99-101.7			870575		106.00	108.00	2.00	21	7	46		74	<1	0.0564	564	34
101.70	139.68	3a - Heterogeneous gabbro with patchy to pervasive albite			Trace to 0.5% disseminated sulphides		870576		108.00	110.00	2.00	21	7	62		90	<1	0.0698	698	42
				med-crs gr, variably textured plag + oli + pyx rich +/- bio heterogeneous gabbro with mod to locally abundant		trace fn gr disseminated cpy throughout unit with locally up to	870577	mpg2				71	239	803		1113	1.17	0.2675	2675	307
				med-crs gr interstitial mt, variably chloritized mafics, mod patchy to locally pervasive med gr pinkish albite		2-3%	870578		110.00	112.00	2.00	21	7	34		62	<1	0.0437	437	29
				from 110.5-111.7 few fragments of subrounded very fn gr metased unit? up to 8cm thick	0.5% to 1% disseminated sulphides		870579		112.00	114.00	2.00	25	7	32		64	<1	0.0403	403	22
				albitization becomes very patchy from 124.2- usually associated with crs gr xtals		from 104.8-105- 2% fn - 2mm disseminated cpy with trace py	870580		114.00	116.00	2.00	18	7	26		51	<1	0.0263	263	26
			3b - Heterogeneous gabbro with skeletal magnetite		1-2% disseminated sulphides		870581		116.00	118.00	2.00	22	7	43		72	1.5	0.0401	401	25
				med-crs gr melanocratic, heterogeneous gabbro with mod to locally abundant chloritized mafics		from 106-112 - patchy to fairly pervasive 1-2% very fn to fn gr	870582		118.00	120.00	2.00	27	7	56		90	<1	0.043	430	27
				from 120.74-121.10, 121.73-121.84, 122.29-122.68, 122.92-123.66, 129.85-130.40, 130.95-131.15, 133.94-134.63		disseminated cpy with locally up to 0.5% po + few blebs up t0	870583		120.00	122.00	2.00	51	7	58		116	<1	0.0624	624	29
139.68	148.68	3b - Heterogeneous gabbro with skeletal magnetite				3-5mm	870584		122.00	124.00	2.00	26	7	173		206	<1	0.1344	1344	66
				med - crs (locally very crs) gr, oli + pyx + plag rich, variably textured, melanocratic heterogeneous gabbro with		from 112-120.79 - localized pockets of 1% fn gr disseminated	870585		124.00	126.00	2.00	16	7	70		93	<1	0.065	650	62
				mod to locally abundant med-crs gr cumulative + skeletal mt, few small patches of albitization		cpy with few 1-4mm blebs with up to 2% 2-5mm cpy xtals from	870586		126.00	128.00	2.00	18	7	177		202	<1	0.1445	1445	81
			3a - Heterogeneous gabbro with patchy to pervasive albite			119.7-119.9 with up to 0.5% po - few small cpy filled fractures	870587		128.00	130.00	2.00	23	7	276		306	2.63	0.2089	2089	108
				from 143.25-143.68, 144.53-144.85, 145.15-145.45		throughout	870588	d	128.00	130.00	2.00	20	7	251		278	<1	0.1896	1896	98
148.68	152.40	3a - Heterogeneous gabbro with patchy to pervasive albite			3-5% disseminated sulphides		870589		130.00	132.00	2.00	22	7	218		247	1.01	0.2561	2561	94
				med-crs gr, variably textured plag + oli + pyx rich +/- bio heterogeneous gabbro with mod to locally abundant		from 122-122.6 up to 5% 1-6mm cpy +/- po intergrowths	870590		132.00	134.00	2.00	17	7	162		186	14.46	0.0895	895	84
				med-crs gr interstitial mt, variably chloritized mafics, mod patchy to locally pervasive med gr pinkish albite		po up to 0.5-1% locally	870591		134.00	136.00	2.00	30	19	383		432	1.81	0.1608	1608	115
				few mm thick calcite +/- carb filled fractures trending 70-80m to ca	1-2% disseminated sulphides		870592		136.00	138.00	2.00	40	7	153		200	<1	0.1494	1494	62
			2c - Very fine to fine-grained homogeneous gabbro			from 122.6-130 fairly pervasive 1-2% fn gr disseminated cpy	870593		138.00	140.00	2.00	16	7	167		190	<1	0.0883	883	68
				from 149.0-149.09		with up to 5% 1-2mm thick cpy coated fracture plane @ 130.63	870594	b				2	7	5		14	<1	0.0003	3	<1
						with up to 1% po	870595		140.00	142.00	2.00	18	7	154		179	<1	0.0571	571	114
						from 130.6-136 - locally up to 1% isolated pockets of 1% very fr	870596		142.00	144.00	2.00	16	7	150		173	<1	0.0475	475	87
						fn gr cpy with few crser blebs, trace po	870597		144.00	146.00	2.00	16	7	124		147	<1	0.0731	731	81
					3-5% disseminated sulphides		870598		146.00	148.00	2.00	22	7	102		131	<1	0.052	520	76
						from 136-136.4 - up to 3-4% very fn to 8mm xtals of cpy with m	870599		148.00	150.00	2.00	16	7	41		64	<1	0.0455	455	55
						po	870600	mpg1				264	1051	3508		4823	4.62	0.6843	6843	450

					Trace to 0.5% disseminated sulphides	
						from 136.4-152.4 - trace to locally up o 0.5-1% cpy
						fn gr with few crser xtals
152.40	158.00	2b - Medium to coarse-grained homogeneous gabbro			Trace to 0.5% disseminated sulphides	
				med gr oli + plag + pyx rich homogeneous gabbro +/- bio with mod to abundant 1-2mm euhedral mt		trace fn gr disseminated cpy with few small microfracture fills
				texture is primarily cumulative		from 152.4-172.71 - trace (few rare zones of up to 0.5%) fn
				few mm thick calcite filled fractures from 152.4-155 with associated albitization along contacts		gr disseminated cpy + po few microstringers
158.00	162.18	3a - Heterogeneous gabbro with patchy to pervasive albite				
				same as previous 3a major unit		
			2b - Medium to coarse-grained homogeneous gabbro			
				from 159.68-159.87, 160.66-161.25		
162.18	168.44	2b - Medium to coarse-grained homogeneous gabbro				
				same as previous 2b unit		
			3a - Heterogeneous gabbro with patchy to pervasive albite			
				from 164.22-165.21		
168.44	172.71	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med-crs gr, variably textured plag + oli + pyx rich +/- bio heterogeneous gabbro with mod to locally abundant		
				med-crs gr interstitial mt, variably chloritized mafics, mod patchy to locally pervasive med gr pinkish albite		
172.71	182.70	3b - Heterogeneous gabbro with skeletal magnetite			1-2% disseminated sulphides	
				med - crs (locally very crs) gr, oli + pyx + plag rich, variably textured, melanocratic heterogeneous gabbro with		from 173-181.4 - locally up to 1-2% fn - 3mm cpy +/- po intergro
				mod to locally abundant med-crs gr cumulative + skeletal mt, few small patches of albitization		with few microstringers with 0.5-1% 1-3mm bornite from 178.6-1
				(up to 3-5cm thick) highly chloritized mafics (pyx), localized bio	3-5% disseminated sulphides	
			4a - Amphibole kspar porphyry dikelet			from 181.4-184.6 - locally up to 3-5% very fn to 6mm dissemina
				from 174.7-176.17 - pyx k-spar dikelet with mod to locally abundant feldspar xtals up to 2cm with increased		cpy +/- associated bornite (up to 1-2%) + po (1-2%) - intervals
				density downhole - upper contact at 85deg to ca, lower contact 80deg to ca		from 10cm to 1m in length
182.70	186.03	3a - Heterogeneous gabbro with patchy to pervasive albite			Trace to 0.5% disseminated sulphides	
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		trace to 0.5% (locally 1%) cpy from 184.6-186.03
				texture is predominantly med-gr cumulate; mod chl alteration		trace fine-gr bornite
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		
186.03	200.00	5b - Amphibole syenite			Trace to 0.5% disseminated sulphides	
				med gr dark pinkish k-spar rich syenite; fairly blocky/fractured core		few trace flecks of cpy in upper few meters of unit with up to
				from 186.03-186.20 intermix of heterogeneous gabbro, 3a and syenite		1% py > cpy noted from 187.6-189.9 (locally) 1-4mm
200.00		EOH - End of Hole				

870601		150.00	152.00	2.00	12	7	16		35	<1	0.0357	357	38
870602		152.00	154.00	2.00	13	7	30		50	<1	0.0223	223	35
870603		154.00	156.00	2.00	11	7	29		47	<1	0.0259	259	30
870604		156.00	158.00	2.00	13	7	25		45	<1	0.0276	276	26
870605		158.00	160.00	2.00	11	7	24		42	<1	0.0236	236	24
870606		160.00	162.00	2.00	15	7	23		45	1.65	0.0262	262	27
870607		162.00	164.00	2.00	16	7	29		52	<1	0.0314	314	24
870608		164.00	166.00	2.00	15	7	29		51	<1	0.0334	334	18
870609		166.00	168.00	2.00	14	7	23		44	<1	0.029	290	14
870610	d	166.00	168.00	2.00	13	54	65		132	2.38	0.0283	283	26
870611		168.00	170.00	2.00	14	37	64		115	<1	0.0247	247	17
870612		170.00	172.00	2.00	14	7	36		57	<1	0.026	260	25
870613		172.00	174.00	2.00	46	43	496		585	<1	0.1256	1256	86
870614		174.00	176.00	2.00	27	41	225		293	<1	0.1038	1038	98
870615		176.00	178.00	2.00	50	39	766		855	1.39	0.2507	2507	113
870616	b				2	7	5		14	<1	0.00005	0.5	<1
870617		178.00	180.00	2.00	95	88	1575		1758	3.35	0.7229	7229	213
870618		180.00	182.00	2.00	115	117	1588		1820	6.27	0.8326	8326	396
870619		182.00	184.00	2.00	90	92	1326		1508	4.15	0.4933	4933	184
870620		184.00	186.00	2.00	53	169	961		1183	6.09	0.6929	6929	132
870621		186.00	188.00	2.00	25	29	206		260	1.18	0.207	2070	29
870622	mpg2				93	218	857		1168	1.44	0.2676	2676	311
870623		188.00	190.00	2.00	35	27	313		375	1.26	0.2417	2417	49
870624		190.00	192.00	2.00	17	26	260		303	1.05	0.1013	1013	33

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

DDH:G-10-14

NTS:		**42 D / 16**
UTM	**Northing**	**5407125**
(Nad27)	**Easting**	**537735**
Elevation (m):		
Dip at Collar:		**-45**
Azimuth:		**90**
Total Depth:		**69m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG

Reflex EZ Shot

Depth	Dip	Azimuth

Property:	**Geordie Lake**
Zone:	
Date start:	**14-Feb-10**
Date finish:	**15-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein**

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	2.60	O/B - Overburden						870625		2.60	4.00	1.40	18	16	24		58	<1	0.0322	322	27
								870626		4.00	6.00	2.00	12	7	29		48	1.99	0.0259	259	29
2.60	6.00	2b - Medium to coarse-grained homogeneous gabbro						870627		6.00	8.00	2.00	14	7	27		48	<1	0.0292	292	31
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albite				870628		8.00	10.00	2.00	12	17	38		67	<1	0.0319	319	47
				mod chl alteration of mafic minerals; well defined lower contact with heterogeneous gabbro, 3a			no visible sulphides	870629		10.00	12.00	2.00	15	18	74		107	<1	0.0773	773	62
6.00	25.82	3a - Heterogeneous gabbro with patchy to pervasive albite						870630	d	10.00	12.00	2.00	18	7	55		80	<1	0.0589	589	62
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides		870631		12.00	14.00	2.00	48	7	129		184	<1	0.1485	1485	54
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 2% fine to crs-gr cpy: disseminated , and as crs-gr	870632		14.00	16.00	2.00	41	7	579		627	1.36	0.2278	2278	73
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite			smeared blebs, and within 1-3mm wide chl stringers	870633		16.00	18.00	2.00	26	16	151		193	<1	0.1211	1211	58
			3b - Heterogeneous gabbro with skeletal magnetite					870634		18.00	20.00	2.00	24	21	224		269	1.12	0.1854	1854	96
				from 15.85-16.05				870635		20.00	22.00	2.00	33	7	355		395	1.56	0.2863	2863	114
25.82	36.00	3b - Heterogeneous gabbro with skeletal magnetite						870636	b				2	7	5		14	<1	0.0002	2	<1
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		0.5% to 1% disseminated sulphides		870637		22.00	24.00	2.00	24	16	244		284	3.21	0.1711	1711	97
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			trace up to 1% fine to med-gr cpy: disseminated to med-gr	870638		24.00	26.00	2.00	39	31	529		599	1.29	0.1905	1905	135
				minor patchy albite alteration; mod to intense chl alteration			smeared blebs, and within 1-3mm wide chl stringers	870639		26.00	28.00	2.00	23	33	249		305	<1	0.1021	1021	86
36.00	44.50	3a - Heterogeneous gabbro with patchy to pervasive albite						870640		28.00	30.00	2.00	23	7	188		218	<1	0.0597	597	131
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870641		30.00	32.00	2.00	10	7	66		83	<1	0.0294	294	120
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace fine-gr disseminated cpy within 3a	870642	mpg1				254	1191	3417		4862	3	0.6875	6875	459
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite				870643		32.00	34.00	2.00	12	7	29		48	<1	0.035	350	60
			2b - Medium to coarse-grained homogeneous gabbro					870644		34.00	36.00	2.00	10	7	32		49	2.27	0.0207	207	40
				from 39.0-39.37				870645		36.00	38.00	2.00	10	7	32		49	<1	0.0246	246	21
44.50	46.62	2c - Very fine to fine-grained homogeneous gabbro						870646		38.00	40.00	2.00	28	7	29		64	<1	0.0263	263	26
				fine to med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; very minor fine-gr dissemin. albite			no visible sulphides	870647		40.00	42.00	2.00	17	22	28		67	<1	0.03	300	22
				diffuse contact with upper heterogeneous gabbro, 3a and well defined lower contact with lower gabbro, 3b				870648		42.00	44.00	2.00	719	7	29		755	<1	0.0278	278	18
				numerous scattered carb-filled fractures and carb-filled healed fractures				870649		44.00	46.00	2.00	22	7	25		54	<1	0.0278	278	14
46.62	55.48	3b - Heterogeneous gabbro with skeletal magnetite						870650		46.00	48.00	2.00	44	7	48		99	<1	0.0295	295	62
				from 46.62-46.82 ground core including a 5cm wide band of chl "clay" - fault gouge?		Local blebs to 2-4% sulphides		870651		48.00	50.00	2.00	93	98	1460		1651	2.7	0.5494	5494	160
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite			trace up to 4% bornite (on average: 0.5-1%) as fine-gr dissem.	870652		50.00	52.00	2.00	78	84	1317		1479	1.28	0.1738	1738	151
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			to crs-gr "ameoba" blebs	870653	d	50.00	52.00	2.00	59	78	966		1103	1.1	0.133	1330	152
				minor patchy albite alteration; mod to intense chl alteration			trace up to 3% cpy as fine-gr disseminated up to crs-gr smeare	870654		52.00	54.00	2.00	87	91	1206		1384	3.88	0.3383	3383	118
							blebs near lower contact	870655		54.00	56.00	2.00	48	50	715		813	<1	0.1842	1842	84
55.48	56.78	3a - Heterogeneous gabbro with patchy to pervasive albite						870656		56.00	58.00	2.00	28	20	201		249	<1	0.1978	1978	38
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		2-3% disseminated sulphides		870657		58.00	60.00	2.00	8	7	5		20	<1	0.0082	82	7
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			1% up to 3% fine to med-gr disseminated cpy	870658		60.00	62.00	2.00	7	7	5		19	1.02	0.0059	59	8
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite				870659	b				2	7	5		14	<1	0.00005	0.5	<1
56.78	69.00	5b - Amphibole syenite						870660	mpg2				82	198	866		1146	2.81	0.2723	2723	321
				from 56.78-57.17 intermix of 3a and syenite			no visible sulphides														
				syenite is pinkish red with variable amphibole content; scattered chl stringers			(including 56.78-57.17)														
69.00		EOH - End of Hole																			

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS: 42 D / 16

UTM (Nad27) Northing 5407175; Easting 537735

Elevation (m):

Dip at Collar: -45

Azimuth: 90

Total Depth: 80m

Core Size: NQ

Remarks: Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario

DIAMOND DRILL CORE LOG

Depth	Dip	Azimuth
80m	-41.9	100.8

DDH:G-10-15

Property: Geordie Lake

Zone:

Date start: 16-Feb-10

Date finish: 18-Feb-10

Contractor: CABO DRILLING

Logged by: Rachel Epstein

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	3.30	O/B - Overburden					870661		6.00	8.00	2.00	12	18	22		52	<1	0.0296	296	29
							870662		8.00	10.00	2.00	13	7	19		39	<1	0.0231	231	27
3.30	12.33	2b - Medium to coarse-grained homogeneous gabbro					870663		10.00	12.00	2.00	10	7	16		33	<1	0.028	280	29
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albite		no visible sulphides	870664		12.00	14.00	2.00	13	26	36		75	<1	0.0341	341	49
				mod chl alteration of mafic minerals; well defined lower contact with heterogeneous gabbro, 3a			870665		14.00	16.00	2.00	18	7	76		101	<1	0.1077	1077	65
12.33	25.55	3a - Heterogeneous gabbro with patchy to pervasive albite					870666	d	14.00	16.00	2.00	17	17	60		94	2.54	0.0761	761	58
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	2-3% disseminated sulphides		870667		16.00	18.00	2.00	12	20	99		131	<1	0.1314	1314	60
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 3% fine to crs-gr disseminated cpy	870668		18.00	20.00	2.00	17	20	118		155	<1	0.1022	1022	64
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		trace fine-gr disseminated bornite	870669		20.00	22.00	2.00	18	17	167		202	<1	0.115	1150	66
				bands up to 5cm wide			870670		22.00	24.00	2.00	25	25	265		315	1.1	0.1974	1974	85
25.55	27.50	3b - Heterogeneous gabbro with skeletal magnetite					870671		24.00	26.00	2.00	27	17	228		272	<1	0.1358	1358	86
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	0.5% to 1% disseminated sulphides		870672	b			0.00	2	7	5		14	<1	0.0003	3	<1
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal		trace up to 2% fine to crs-gr cpy: disseminated and within 1-2m	870673		26.00	28.00	2.00	22	24	187		233	1.08	0.1488	1488	91
				minor patchy albite alteration; mod to intense chl alteration		wide chlorite stringers	870674		28.00	30.00	2.00	27	26	342		395	<1	0.1804	1804	69
				scattered carb-hematite filled healed fractures and chl-carb filled fractures			870675		30.00	32.00	2.00	31	21	375		427	2.96	0.1555	1555	94
27.50	35.37	3a - Heterogeneous gabbro with patchy to pervasive albite					870676		32.00	34.00	2.00	21	21	178		220	<1	0.1298	1298	129
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides		870677		34.00	36.00	2.00	20	7	175		202	<1	0.1344	1344	103
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to crs-gr disseminated cpy throughout unit	870678	mpg1			0.00	301	1097	3486		4884	2.85	0.6569	6569	435
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		trace very fine-gr disseminated bornite	870679		36.00	38.00	2.00	16	7	93		116	<1	0.0548	548	101
				bands up to 3cm wide		2 higher sulphide intervals:	870680		38.00	40.00	2.00	13	18	43		74	<1	0.0308	308	96
			3b - Heterogeneous gabbro with skeletal magnetite		Local blebs to 2-4% sulphides		870681		40.00	42.00	2.00	16	7	36		59	<1	0.0276	276	42
				from 31.75-33.15, 33.74-34.08		from 28.05-28.08 carb-hematite filled fracture (@90deg to ca)	870682		42.00	44.00	2.00	14	7	24		45	<1	0.0261	261	31
						with 5-10% cpy wispy lens	870683		44.00	46.00	2.00	14	7	23		44	<1	0.0302	302	26
						from 32.18-32.41 4-5% fine to crs-gr smeared cpy blebs within	870684		46.00	48.00	2.00	12	7	28		47	1.76	0.0281	281	23
						3b subunit	870685		48.00	50.00	2.00	14	7	25		46	<1	0.026	260	18
35.37	42.56	3b - Heterogeneous gabbro with skeletal magnetite					870686		50.00	52.00	2.00	16	7	22		45	<1	0.0283	283	15
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Trace to 0.5% disseminated sulphides		870687		52.00	54.00	2.00	13	7	25		45	<1	0.0306	306	14
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 0.5% fine to med-gr disseminated cpy	870688		54.00	56.00	2.00	40	7	475		522	<1	0.1035	1035	93
				minor patchy albite alteration; mod to intense chl alteration		and as local smeared blebs	870689	d	54.00	56.00	2.00	48	24	427		499	<1	0.1061	1061	100
			3a - Heterogeneous gabbro with patchy to pervasive albite				870690		56.00	58.00	2.00	125	131	1842		2098	3.59	0.7114	7114	180
				from 41.09-42.56			870691		58.00	60.00	2.00	62	57	1081		1200	1.51	0.2476	2476	154
42.56	45.58	2c - Very fine to fine-grained homogeneous gabbro					870692		60.00	62.00	2.00	73	64	877		1014	2.15	0.3981	3981	122
				fine to med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; very minor fine-gr dissemin. a	Trace to 0.5% disseminated sulphides		870693		62.00	64.00	2.00	52	7	516		575	1.45	0.347	3470	71
				well defined upper and lower contacts with heterogeneous gabbro, 3a		trace up to 0.5% fine-gr cpy within 1-2mm wide chl stringers	870694		64.00	66.00	2.00	13	7	5		25	<1	0.0093	93	6
			3a - Heterogeneous gabbro with patchy to pervasive albite			within 2c and disseminated within 3a subunit	870695	b			0.00	2	7	5		14	<1	0.0001	1	<1
				from 44.63-44.82			870696		66.00	68.00	2.00	11	7	5		23	1	0.0041	41	6
45.58	54.00	3a - Heterogeneous gabbro with patchy to pervasive albite					870697	mpg2			0.00	69	230	814		1113	1.34	0.2639	2639	294
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides															
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine to med-gr cpy as disseminated and within														
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		1-2mm wide chl stringers within 3a only														
			2c - Very fine to fine-grained homogeneous gabbro																	

				from 47.40-47.65, 47.86-48.36		no visible sulphides within 2c and 5b subunits
			5b - Amphibole syenite			
				from 48.36-48.54, 48.84-48.90 both are mostly ground core		
54.00	61.70	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	3-5% disseminated sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 5% fine to crs-gr cpy: disseminated and within 1-3mm
				minor patchy albite alteration; mod to intense chl alteration		wide chlorite stringers and as local smeared blebs
						trace up to 2% fine to crs-gr disseminated bornite - alone or
						intergrown with cpy
61.70	63.64	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 2-4% sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 4% fine to crs-gr cpy: disseminated and as local
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		smeared blebs
63.64	80.00	5b - Amphibole syenite				
				from 63.64-63.80 intermix of 3a and 5b with fine-gr cpy	Trace to 0.5% disseminated sulphides	
				pinkish red syenite with numerous chl-filled stringers; widely scattered carb/chl-filled fractures		from 63.64-63.80 trace up to 0.5% fine-gr disseminated cpy
						no visible sulphides
						from 63.80-80.0
80.00		EOH - End of Hole				

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407400**
(Nad27)	**Easting**	**537575**
Elevation (m):		
Dip at Collar:		**-63**
Azimuth:		**90**
Total Depth:		**225m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG

Depth	Dip	Azimuth
101m	-64.5	
225m	-65.4	

DDH:G-10-16

Property:	**Geordie Lake**
Zone:	
Date start:	**18-Feb-10**
Date finish:	**21-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	70.30	2a - Coarse grained gabbro with plag lineation					870698		86.00	88.00	2.00	13	25	28		66	2.08	0.0244	244	27
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90	Trace to 0.5% disseminated sulphides		870699		88.00	90.00	2.00	12	7	27		46	1.81	0.0233	233	27
				to ca; abundant chl alteration of mafic minerals; minor to moderate disseminated fine-gr albite		from 0-50.82 trace fine-gr disseminated cpy	870700		90.00	92.00	2.00	10	27	30		67	2.12	0.029	290	31
				gradational lower contact defined by loss of plg lineation	Trace to 0.5% disseminated sulphides		870701		92.00	94.00	2.00	14	25	40		79	1.94	0.0312	312	43
						from 50.82-70.30 trace up to 0.5% fine to med-gr cpy and po:	870702		94.00	96.00	2.00	10	28	42		80	1.92	0.031	310	46
						disseminated and within 1-3mm wide chlorite stringers	870703	d	94.00	96.00	2.00	17	16	47		80	2.02	0.0497	497	48
70.30	91.96	2b - Medium to coarse-grained homogeneous gabbro					870704		96.00	98.00	2.00	17	28	36		81	2.11	0.05	500	35
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi	Trace to 0.5% disseminated sulphides		870705		98.00	100.00	2.00	39	23	109		171	2.46	0.1237	1237	53
				mod chl alteration of mafic minerals; well defined lower contact with heterogeneous gabbro, 3a		trace fine-gr disseminated cpy	870706		100.00	102.00	2.00	21	42	106		169	2.5	0.1164	1164	55
91.96	137.95	3a - Heterogeneous gabbro with patchy to pervasive albite					870707		102.00	104.00	2.00	12	34	58		104	4.95	0.05	500	45
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 1-2% sulphides		870708		104.00	106.00	2.00	12	18	40		70	2.31	0.0511	511	49
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 3% fine to crs-gr cpy: disseminated and as local ble	870709	b				2	7	5		14	1.85	0.00005	0.5	<1
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		trace up to 2% fine to very crs-gr po: disseminated and as loca	870710		106.00	108.00	2.00	15	39	135		189	2.62	0.1129	1129	58
				bands up to 10cm wide		blebs; po occurs isolated and rimmed by cpy; cpy and po occu	870711		108.00	110.00	2.00	18	40	136		194	2.86	0.1291	1291	55
				3b - Heterogeneous gabbro with skeletal magnetite		in both 3a and 3b	870712		110.00	112.00	2.00	14	45	111		170	2.05	0.0946	946	48
				from 102.0-103.0, 105.44-105.72, 106.50-107.05, 112.02-112.62, 113.14-113.29, 123.95-124.05, 127.13-127.35,			870713		112.00	114.00	2.00	17	40	106		163	2.04	0.081	810	44
				130.03-130.49; all with skeletal magnetite difficult to distinguish due to chlorite alteration			870714		114.00	116.00	2.00	11	34	63		108	2.28	0.0435	435	35
137.95	148.47	3b - Heterogeneous gabbro with skeletal magnetite					870715	mpg1				273	1048	3406		4727	4.87	0.6648	6648	450
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 1-2% sulphides		870716		116.00	118.00	2.00	17	62	50		129	1.81	0.0332	332	33
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal		trace up to 3% fine to crs-gr cpy: disseminated and as local ble	870717		118.00	120.00	2.00	14	7	54		75	2.08	0.0317	317	29
				minor patchy albite alteration; mod to intense chl alteration - difficult to distinguish skeletal texture		trace fine-gr disseminated bornite	870718		120.00	122.00	2.00	10	7	48		65	1.86	0.0432	432	29
				intermixed with 3a intervals			870719		122.00	124.00	2.00	14	18	71		103	1.85	0.0543	543	34
				3a - Heterogeneous gabbro with patchy to pervasive albite			870720		124.00	126.00	2.00	19	7	59		85	1.75	0.0328	328	19
				from 139.70-140.09, 140.48-140.65, 141.69-142.42, 143.66-144.34, 146.43-146.85, 147.77-148.06			870721		126.00	128.00	2.00	12	22	93		127	1.78	0.0315	315	31
148.47	155.40	3a - Heterogeneous gabbro with patchy to pervasive albite					870722		128.00	130.00	2.00	11	22	45		78	1.85	0.035	350	24
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides		870723		130.00	132.00	2.00	18	23	144		185	2.25	0.1003	1003	50
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine-gr disseminated cpy	870724		132.00	134.00	2.00	24	7	206		237	2.13	0.1446	1446	46
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-r	Semi massive to massive sulphides		870725		134.00	136.00	2.00	28	25	214		267	4.12	0.1489	1489	72
				bands up to 10cm wide		from 151.37-151.39 semi-massive cpy pod within calcite vein	870726	d	134.00	136.00	2.00	22	30	210		262	3.11	0.2153	2153	75
155.40	157.43	2b - Medium to coarse-grained homogeneous gabbro					870727		136.00	138.00	2.00	12	20	66		98	2.19	0.0605	605	44
				med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; minor fine-gr disseminated albite	Trace to 0.5% disseminated sulphides		870728		138.00	140.00	2.00	32	35	361		428	2.32	0.1004	1004	98
				from 55.68-155.70 med-gr albite-rich band @70deg to ca		trace very fine-gr disseminated cpy	870729		140.00	142.00	2.00	10	22	80		112	2.74	0.0714	714	49
				well defined upper and lower contacts with heterogeneous gabbro, 3a			870730		142.00	144.00	2.00	33	22	108		163	1.98	0.0365	365	81
				3a - Heterogeneous gabbro with patchy to pervasive albite			870731		144.00	146.00	2.00	16	22	72		110	2.09	0.0324	324	89
				from 156.70-157.05			870732	b				2	7	5		14	1.95	0.00005	0.5	<1
157.43	166.67	3a - Heterogeneous gabbro with patchy to pervasive albite					870733		146.00	148.00	2.00	13	30	60		103	1.8	0.027	270	51
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides		870734		148.00	150.00	2.00	18	17	39		74	1.57	0.0209	209	43
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 1% fine to med-gr cpy: as disseminated and within	870735		150.00	152.00	2.00	10	7	40		57	1.87	0.0425	425	45
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		1-3mm wide chl stringers	870736		152.00	154.00	2.00	12	18	28		58	1.89	0.022	220	34
				3b - Heterogeneous gabbro with skeletal magnetite			870737		154.00	156.00	2.00	11	7	20		38	1.99	0.0238	238	33
				from 165.15-165.45			870738	mpg2				68	219	864		1151	2.83	0.2894	2894	302

166.67	177.27	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 4% fine to crs-gr cpy; as disseminated, local smear
				minor patchy albite alteration; mod to intense chl alteration		blebs and within 1-2mm wide chl stringers
						trace up to 3% fine to crs-gr bor: disseminated and as local ble
						bornite occurs alone or intergrown with cpy
					Semi massive to massive sulphides	
						from 170.85-170.86 semi-massive cpy and magnetite stringer
						crosscutting @ 50deg to ca
177.27	180.42	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	3-5% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 5% fine to crs-gr disseminated cpy; also occurs
				moderate fine-gr albite patches to abundant pervasive networks of fine to med-gr albite		within 1-2mm wide chlorite stringers
						trace fine-gr disseminated bornite
180.42	183.80	5b - Amphibole syenite				
				pinkish red fine to med-gr syenite with 20-30cm dark gray, aphanitic chilled upper and lower contacts		no visible sulphides
				scattered carb-filled fractures		
183.80	186.58	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 1% fine to med-gr cpy: as disseminated and within
				moderate fine-gr albite patches to abundant pervasive networks of fine to med-gr albite		1-2mm wide chlorite stringers
186.58	200.25	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 5% fine to crs-gr cpy; as disseminated, local smear
				minor patchy albite alteration and several albite-rich bands up to 10-15cm wide; mod to intense chl alt.		blebs and within 1-2mm wide chl stringers
				EXCELLENT examples of disseminated cpy, bornite and magnetite within albite-rich bands (unusual for 3b)		trace up to 4% fine to crs-gr bor: disseminated and as local ble
			3a - Heterogeneous gabbro with patchy to pervasive albite			bornite occurs alone or intergrown with cpy
				from 192.72-194.20, 198.94-199.29, 199.43-199.69	Magnetite Cumulate	
						from 199.29-199.43 with fine-gr cpy and bornite
200.25	202.95	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 2-4% sulphides	
				texture is predominantly cumulate; mod chl alteration		trace up to 4% fine to crs-gr cpy; as disseminated, local smear
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		blebs and within 1-2mm wide chl stringers
			5b - Amphibole syenite			trace up to 3% fine to crs-gr bor: disseminated and as local ble
				from 200.25-200.50 med-gr syenite with 1% disseminated cpy		bornite occurs alone or intergrown with cpy
					Semi massive to massive sulphides	
						from 202.69-202.70 massive cpy pod visible on broken core
						surface
202.95	208.36	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 4% fine to crs-gr cpy; as disseminated, local smear
				minor patchy albite alteration; mod to intense chl alteration		blebs and within 1-2mm wide chl stringers
						trace up to 3% fine to crs-gr bor: disseminated and as local blebs
						bornite occurs alone or intergrown with cpy
208.36	214.16	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 1-2% sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to crs-gr cpy; as disseminated, local smeared
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		blebs and within 1-2mm wide chl stringers
						trace up to 1% fine to crs-gr bor: disseminated and as local blebs
						bornite occurs alone or intergrown with cpy
214.16	223.17	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 5% fine to crs-gr cpy; as disseminated, local smeared
				minor patchy albite alteration; mod to intense chl alteration		blebs and within 1-2mm wide chl stringers
			5a - Quartz syenite			trace up to 5% fine to crs-gr bor: disseminated and as local blebs
				from 216.38-216.74 dark gray, aphanitic chilled dikelet - possibly 4a ; most likely syenite due to proximity to		and within chl stringers; bornite occurs alone or intergrown with
				basal syenite		cpy

870739		156.00	158.00	2.00	12	7	27		46	1.95	0.0229	229	28	
870740		158.00	160.00	2.00	16	17	33		66	1.89	0.0264	264	27	
870741		160.00	162.00	2.00	11	16	23		50	2.01	0.026	260	20	
870742		162.00	164.00	2.00	12	7	25		44	2.26	0.0243	243	20	
870743		164.00	166.00	2.00	12	7	46		65	1.86	0.0269	269	39	
870744		166.00	168.00	2.00	11	7	48		66	1.91	0.0228	228	63	
870745		168.00	170.00	2.00	31	26	347		404	3.64	0.2208	2208	93	
870746		170.00	172.00	2.00	53	24	566		643	2.45	0.1819	1819	129	
870747		172.00	174.00	2.00	62	51	1061		1174	5.48	0.7534	7534	164	
870748	d	172.00	174.00	2.00	58	43	1202		1303	5.25	0.7335	7335	166	
870749		174.00	176.00	2.00	45	7	743		795	4.43	0.5832	5832	178	
870750		176.00	178.00	2.00	42	40	452		534	3.56	0.4038	4038	116	
870751		178.00	180.00	2.00	17	7	179		203	2.44	0.1475	1475	55	
870752		180.00	182.00	2.00	6	7	17		30	1.82	0.0179	179	12	
870753		182.00	184.00	2.00	7	7	36		50	1.84	0.0378	378	11	
870754	b				2	7	5		14	2.19	0.00005	0.5	<1	
870755		184.00	186.00	2.00	19	20	219		258	2.48	0.128	1280	69	
870756		186.00	188.00	2.00	46	33	742		821	3.36	0.2546	2546	125	
870757		188.00	190.00	2.00	99	83	1256		1438	4.83	0.5893	5893	196	
870758		190.00	192.00	2.00	83	88	1359		1530	5.27	0.7633	7633	228	
870759		192.00	194.00	2.00	43	39	624		706	4.08	0.5191	5191	127	
870760	mpg1				248	1068	3484		4800	5.17	0.6767	6767	445	
870761		194.00	196.00	2.00	102	59	1242		1403	5.5	0.6411	6411	194	
870762		196.00	198.00	2.00	53	53	910		1016	4.83	0.5477	5477	200	
870763		198.00	200.00	2.00	38	47	582		667	4.75	0.3872	3872	131	
870764		200.00	202.00	2.00	34	46	498		578	3.96	0.4432	4432	127	
870765		202.00	204.00	2.00	67	73	941		1081	4.41	0.613	6130	178	
870766		204.00	206.00	2.00	87	74	2262		2423	7.77	1.0329	10329	287	
870767		206.00	208.00	2.00	112	106	1188		1406	3.56	0.4249	4249	157	
870768		208.00	210.00	2.00	59	42	695		796	4.21	0.5266	5266	141	
870769		210.00	212.00	2.00	40	82	639		761	3.43	0.3347	3347	108	
870770		212.00	214.00	2.00	48	76	366		490	4.31	0.3841	3841	135	
870771	d	212.00	214.00	2.00	59	36	688		783	3.73	0.3956	3956	131	
870772		214.00	216.00	2.00	104	77	1559		1740	5.42	0.6567	6567	217	
870773		216.00	218.00	2.00	46	39	594		679	4.24	0.408	4080	132	
870774		218.00	220.00	2.00	288	157	2594		3039	8.04	1.0536	10536	296	
870775		220.00	222.00	2.00	78	71	1417		1566	4.58	0.6047	6047	222	
870776		222.00	224.00	2.00	55	35	804		894	4.06	0.5115	5115	118	
870777	b				2	7	5		14	2.09	0.0002	2	<1	
870778		224.00	225.00	1.00	19	7	199		225	2.34	0.1487	1487	9	
870779	mpg2				76	265	865		1206	3.32	0.2732	2732	298	

			3a - Heterogeneous gabbro with patchy to pervasive albite		3-5% disseminated sulphides	
				from 216.74-217.07, 217.20-217.64, 217.81-218.27, 221.68-223.17		from 221.68-223.17 3-5% fine to med-gr disseminated cpy
						within the lowest 3a subunit; no bornite
223.17	225.00	5a - Quartz syenite				
				pinkish red fine to med-gr quartz syenite	0.5% to 1% disseminated sulphides	
				well defined upper contact with heterogeneous gabbro, 3a		trace up to 3% fine to med-gr disseminated cpy
225.00		EOH - End of Hole				

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407425**
(Nad27)	**Easting**	**537550**
Elevation (m):		
Dip at Collar:		**-63**
Azimuth:		**90**
Total Depth:		**248m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG

Depth	Dip	Azimuth
101m	-64.6	
248m	-65.5	

DDH:G-10-17

Property:	**Geordie Lake**
Zone:	
Date start:	**21-Feb-10**
Date finish:	**23-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	2.50	CAS - Casing					870780		100.00	102.00	2.00	22	21	24		67	2.01	0.0278	278	38
							870781		102.00	104.00	2.00	12	21	33		66	2.01	0.0265	265	52
2.50	3.00	O/B - Overburden					870782		104.00	106.00	2.00	13	27	44		84	2.01	0.0454	454	54
				first 15cm appears to be from a boulder of 3a, heterogeneous gabbro and then 35cm of a boulder (?) of			870783		106.00	108.00	2.00	10	18	30		58	1.89	0.0326	326	34
				white-gray granite (?)			870784		108.00	110.00	2.00	11	28	41		80	2.21	0.0474	474	24
3.00	4.04	4a - Amphibole kspar porphyry dikelet					870785	d	108.00	110.00	2.00	11	26	44		81	2.3	0.0489	489	23
				very fine-gr dark greenish-gray groundmass with med to crs-gr euhedral px/amphibole? And			870786		110.00	112.00	2.00	15	16	71		102	2.1	0.081	810	51
				crs-gr (1-2cm long, 1-3mm wide) plg laths in a random orientation, "snowflake-like"; abundant chl alteration			870787		112.00	114.00	2.00	15	31	94		140	2.38	0.1114	1114	54
				well defined lower contact with 2a gabbro			870788		114.00	116.00	2.00	16	7	73		96	2.04	0.0704	704	48
4.04	89.40	2a - Coarse grained gabbro with plag lineation					870789		116.00	118.00	2.00	20	7	89		116	2.66	0.0673	673	44
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90	Trace to 0.5% disseminated sulphides		870790		118.00	120.00	2.00	13	20	84		117	2.21	0.0721	721	57
				to ca; abundant chl alteration of mafic minerals; minor to moderate disseminated fine-gr albite		trace up to 0.5% fine to med-gr disseminated cpy	870791	b				2	7	5		14	2.13	0.00005	0.5	<1
				gradational lower contact defined by loss of plg lineation			870792		120.00	122.00	2.00	20	28	219		267	3.57	0.228	2280	63
89.40	104.65	2b - Medium to coarse-grained homogeneous gabbro					870793		122.00	124.00	2.00	25	21	147		193	2.61	0.15	1500	55
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albite			870794		124.00	126.00	2.00	69	27	82		178	3.04	0.0754	754	48
				mod chl alteration of mafic minerals; well defined lower contact with heterogeneous gabbro, 3a			870795		126.00	128.00	2.00	20	17	65		102	2.18	0.0603	603	41
104.65	154.00	3a - Heterogeneous gabbro with patchy to pervasive albite					870796		128.00	130.00	2.00	11	7	34		52	2.25	0.0385	385	40
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	2-3% disseminated sulphides		870797	mpg1				257	1020	3505		4782	5	0.6782	6782	458
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		from 104.65-136.65 trace up to 3% fine to crs-gr cpy:	870798		130.00	132.00	2.00	18	7	43		68	2.14	0.0419	419	34
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		disseminated and as local blebs and within 1-2mm wide chl	870799		132.00	134.00	2.00	11	16	64		91	2.2	0.0414	414	32
				bands up to 5cm wide		stringers; trace up to 1% fine to crs-gr disseminated po - usual	870800		134.00	136.00	2.00	12	23	53		88	1.99	0.0527	527	26
				from 120.80-120.96 alternating chl-rich and albite-rich bands @70-80deg to ca with 5-7% disseminated cpy		rimmed by cpy	870801		136.00	138.00	2.00	10	7	42		59	2.04	0.0394	394	18
			3b - Heterogeneous gabbro with skeletal magnetite		3-5% disseminated sulphides		870802		138.00	140.00	2.00	11	7	35		53	1.98	0.0444	444	22
				from 113.73-113.98, 116.86-117.21 , 150.12-150.48 all with difficult to distinguish skeletal mag due to chl alteration		from 120.80-120.96 chl and albite-rich bands @70-80deg to ca	870803		140.00	142.00	2.00	17	7	59		83	2.16	0.0374	374	25
						with 5-7% disseminated fine to crs-gr cpy	870804		142.00	144.00	2.00	14	7	49		70	2	0.041	410	20
					0.5% to 1% disseminated sulphides		870805		144.00	146.00	2.00	12	7	73		92	2.3	0.065	650	32
						from 136.65-147.03 trace up to 1% fine to crs-gr disseminated	870806		146.00	148.00	2.00	16	7	174		197	3.06	0.1196	1196	64
					2-3% disseminated sulphides		870807		148.00	150.00	2.00	29	31	279		339	3.48	0.3392	3392	80
						from 147.03-154.0 trace up to 2% fine to crs-gr disseminated c	870808	d	148.00	150.00	2.00	40	36	325		401	5.08	0.3376	3376	83
						trace up to 0.5% fine to med-gr disseminated bornite	870809		150.00	152.00	2.00	10	30	53		93	2.29	0.0956	956	61
154.00	156.62	3b - Heterogeneous gabbro with skeletal magnetite					870810		152.00	154.00	2.00	15	28	75		118	2.21	0.037	370	53
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	0.5% to 1% disseminated sulphides		870811		154.00	156.00	2.00	26	62	277		365	2.79	0.0626	626	111
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal		trace up to 1% fine to crs-gr disseminated cpy	870812		156.00	158.00	2.00	21	32	185		238	2.4	0.0682	682	71
				minor patchy albite alteration; mod to intense chl alteration - difficult to distinguish skeletal texture			870813		158.00	160.00	2.00	25	27	114		166	2.3	0.0465	465	66
156.62	171.45	3a - Heterogeneous gabbro with patchy to pervasive albite					870814	b				2	7	5		14	2.22	0.0001	1	4
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides		870815		160.00	162.00	2.00	14	27	126		167	2.22	0.031	310	77
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 1% fine to crs-gr disseminated cpy and within 1mm	870816		162.00	164.00	2.00	15	30	135		180	2.24	0.0334	334	76
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		wide chlorite stringers	870817		164.00	166.00	2.00	11	39	35		85	2.36	0.0211	211	64
						trace med to crs-gr disseminated po (rimmed by cpy)	870818		166.00	168.00	2.00	12	7	32		51	2.12	0.0199	199	55
171.45	176.52	2b - Medium to coarse-grained homogeneous gabbro					870819		168.00	170.00	2.00	20	26	45		91	2.26	0.0189	189	61
				med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; minor to moderate fine-gr dissemina	Trace to 0.5% disseminated sulphides		870820	mpg2				80	218	811		1109	3.31	0.2618	2618	303

				albite		trace very fine-gr to fine-gr disseminated cpy
				diffuse upper and lower contacts with heterogeneous gabbro, 3a		trace fine-gr to med-gr cpy within 1-2mm wide chl stringers
176.52	181.80	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace fine-gr disseminated cpy
				moderate fine-gr albite patches to abundant pervasive networks of fine to med-gr albite		
181.80	186.46	5a - Quartz syenite				
				pinkish red fine-gr quartz syenite with med-gr scattered quartz eyes; approx 10-20cm wide dark gray, aphanitic		no visible sulphides
				chilled upper and lower margins		
186.46	193.25	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 1% fine to crs-gr disseminated cpy and within 1-2m
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		wide chlorite stringers
				bands up to 10cm wide		
			3b - Heterogeneous gabbro with skeletal magnetite			
				from 190.63-190.67, 191.10-191.91		
193.25	198.94	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 5% fine to crs-gr cpy: disseminated to local blebs
				minor patchy albite alteration; mod to intense chl alteration		to within 1-3mm wide chlorite stringers
			3a - Heterogeneous gabbro with patchy to pervasive albite			trace up to 2% fine to med-gr disseminated bornite
				from 196.21-196.85, 197.18-197.30		
198.94	213.60	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 2-4% sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		from 198.94-207.89:
				moderate fine-gr albite patches to abundant pervasive networks of fine to med-gr albite		trace up to 4% fine to crs-gr cpy: disseminated to local blebs
				from 207.77-207.89 1cm wide magnetite vein @45deg to ca with cpy bleb (at 207.87-207.89) and med-gr bor		to within 1-3mm wide chlorite stringers
			3b - Heterogeneous gabbro with skeletal magnetite			trace up to 2% fine to med-gr bornite: disseminated and within
				from 200.12-200.56, 203.25-203.44, 204.25-204.55		magnetite vein at 207.87-207.89
					0.5% to 1% disseminated sulphides	
						from 207.89-213.60:
						trace up to 2% fine to med-gr cpy: disseminated and within
						1-2mm wide chlorite stringers
213.60	241.86	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	3-5% disseminated sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 5% fine to crs-gr bornite: disseminated to local bleb
				minor patchy albite alteration; mod to intense chl alteration		to within 1-2mm wide chlorite stringers
				lower half of unit with scattered albite-rich bands up to 10cm wide:		trace up to 3% fine to med-gr cpy: disseminated and within
				from 231.0-232.0 EXCELLENT examples of scattered albite-rich bands within 3b with disseminated bornite		1-2mm wide chlorite stringers
				and cpy; from 239.53-239.60 EXCELLENT example of 1-2mm wide chl stringers with fine-gr bornite and cpy		possibly covellite intergrown with bornite (or drill burn turns bor
				from 237.35-237.45 0.5cm wide magnetite vein @45deg to ca		into bluish-silver)
			5b - Amphibole syenite			
				from 222.05-222.08 @70deg to ca dark gray aphanitic: either chilled syenite or porphyry (4a) dikelet		
			3a - Heterogeneous gabbro with patchy to pervasive albite			
				from 233.07-233.81, 240.41-241.18		
241.86	245.06	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	2-3% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to med-gr disseminated bornite
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		trace up to 1% fine to med-gr disseminated cpy
245.06	248.00	5b - Amphibole syenite				
				from 245.06-245.43 med to crs-gr syenite possibly intermixed with 3a; well defined upper contact with 3	0.5% to 1% disseminated sulphides	
				from 245.43-248.0 fine to med-gr pinkish red syenite with scattered chlorite stringers		from 245.06-245.43:
						trace up to 1% fine to med-gr disseminated bornite and cpy
					Trace to 0.5% disseminated sulphides	
						from 245.43-248.0:
						trace up to 0.5% fine-gr cpy: disseminated and within 1mm wide
						chlorite stringers

870821		170.00	172.00	2.00	15	7	25		47	1.99	0.0299	299	38	
870822		172.00	174.00	2.00	9	7	21		37	2.19	0.0307	307	37	
870823		174.00	176.00	2.00	10	7	25		42	1.91	0.0265	265	31	
870824		176.00	178.00	2.00	13	18	28		59	1.81	0.0257	257	28	
870825		178.00	180.00	2.00	12	26	32		70	1.97	0.0327	327	20	
870826		180.00	182.00	2.00	13	30	24		67	1.86	0.0284	284	15	
870827		182.00	184.00	2.00	43	20	5		68	1.7	0.0021	21	2	
870828		184.00	186.00	2.00	2	7	5		14	1.71	0.0027	27	3	
870829		186.00	188.00	2.00	8	21	16		45	1.76	0.0201	201	18	
870830	d	186.00	188.00	2.00	7	15	18		40	1.94	0.0203	203	17	
870831		188.00	190.00	2.00	10	7	34		51	1.77	0.0238	238	45	
870832		190.00	192.00	2.00	23	7	51		81	1.93	0.0279	279	54	
870833		192.00	194.00	2.00	2	27	145		174	2.23	0.0607	607	85	
870834		194.00	196.00	2.00	105	76	669		850	5.95	0.2599	2599	140	
870835		196.00	198.00	2.00	58	65	843		966	4.51	0.5449	5449	155	
870836	b				2	7	5		14	2.05	0.0002	2	<1	
870837		198.00	200.00	2.00	36	32	701		769	4.23	0.599	5990	165	
870838		200.00	202.00	2.00	33	17	272		322	3.07	0.2645	2645	98	
870839		202.00	204.00	2.00	10	7	251		268	3.38	0.26	2600	94	
870840		204.00	206.00	2.00	18	15	166		199	2.46	0.1352	1352	63	
870841		206.00	208.00	2.00	16	7	149		172	2.68	0.1856	1856	91	
870842	mpg1				243	916	3457		4616	5.58	0.672	6720	427	
870843		208.00	210.00	2.00	16	7	100		123	2.36	0.0933	933	53	
870844		210.00	212.00	2.00	20	7	167		194	2.86	0.1694	1694	60	
870845		212.00	214.00	2.00	24	7	271		302	3.29	0.2237	2237	75	
870846		214.00	216.00	2.00	15	7	505		527	3.26	0.2506	2506	116	
870847		216.00	218.00	2.00	27	85	1825		1937	6.05	0.8023	8023	206	
870848		218.00	220.00	2.00	55	52	756		863	4.28	0.4621	4621	167	
870849		220.00	222.00	2.00	71	71	1023		1165	4.81	0.5711	5711	185	
870850		222.00	224.00	2.00	65	65	981		1111	4.46	0.5163	5163	180	
870851		224.00	226.00	2.00	63	66	1200		1329	5.13	0.7459	7459	211	
870852		226.00	228.00	2.00	78	81	1206		1365	5.47	0.6285	6285	214	
870853	d	226.00	228.00	2.00	83	74	1262		1419	5.51	0.6738	6738	217	
870854		228.00	230.00	2.00	106	89	1814		2009	7.29	1.1043	11043	281	
870855		230.00	232.00	2.00	78	73	1190		1341	4.68	0.5979	5979	216	
870856		232.00	234.00	2.00	52	79	704		835	4.99	0.4332	4332	143	
870857		234.00	236.00	2.00	45	81	668		794	4.93	0.4825	4825	137	
870858		236.00	238.00	2.00	75	119	1447		1641	6.83	1.0064	10064	286	
870859	b				2	7	5		14	2	0.0001	1	<1	
870860		238.00	240.00	2.00	150	151	2204		2505	6.44	0.8774	8774	278	
870861		240.00	242.00	2.00	127	98	1535		1760	5.06	0.6787	6787	206	
870862		242.00	244.00	2.00	64	69	821		954	3.9	0.4536	4536	148	
870863		244.00	246.00	2.00	42	40	553		635	3.97	0.4018	4018	95	
870864		246.00	248.00	2.00	27	35	271		333	3.29	0.1555	1555	12	
870865	mpg2			0.00	62	217	797		1076	3.36	0.2621	2621	312	

248.00		EOH - End of Hole			

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407500**
(Nad27)	**Easting**	**537600**
Elevation (m):		
Dip at Collar:		**-70**
Azimuth:		**90**
Total Depth:		**200m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG

Depth	Dip	Azimuth
101m	-70.4	
200m	-71.2	

DDH:G-10-18

Property:	**Geordie Lake**
Zone:	
Date start:	**24-Feb-10**
Date finish:	**25-Feb-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	3.00	O/B - Overburden					870866		72.00	74.00	2.00	15	7	30		52	<1	0.0302	302	53
							870867		74.00	76.00	2.00	9	7	51		67	<1	0.0437	437	79
3.00	58.00	2a - Coarse grained gabbro with plag lineation			Trace to 0.5% disseminated sulphides		870868		76.00	78.00	2.00	20	7	134		161	<1	0.1551	1551	82
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90deg		trace up to 0.5% fine to med-gr cpy: disseminated and within	870869		78.00	80.00	2.00	11	7	53		71	<1	0.0879	879	59
				to ca; abundant chl alteration of mafic minerals; minor to moderate disseminated fine-gr albite		1-2mm wide chlorite stringers	870870		80.00	82.00	2.00	42	7	55		104	<1	0.057	570	51
				gradational lower contact defined by loss of plg lineation			870871	d	80.00	82.00	2.00	25	7	66		98	<1	0.076	760	48
58.00	75.82	2b - Medium to coarse-grained homogeneous gabbro					870872		82.00	84.00	2.00	13	7	60		80	<1	0.0611	611	57
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi	Trace to 0.5% disseminated sulphides		870873		84.00	86.00	2.00	12	7	107		126	<1	0.0895	895	57
				mod chl alteration of mafic minerals; well defined lower contact with heterogeneous gabbro, 3a		trace fine to med-gr disseminated cpy, po	870874		86.00	88.00	2.00	20	7	137		164	<1	0.1067	1067	71
				from 74.08-74.26 1-2cm wide albite-rich vein x-cutting at 45deg to ca			870875		88.00	90.00	2.00	15	16	114		145	<1	0.0882	882	65
75.82	116.78	3a - Heterogeneous gabbro with patchy to pervasive albite					870876		90.00	92.00	2.00	12	16	75		103	<1	0.0733	733	57
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	2-3% disseminated sulphides		870877	b				2	7	5		14	<1	0.0001	1	<1
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 3% fine to crs-gr cpy, po ; disseminated, local blebs	870878		92.00	94.00	2.00	13	7	48		68	<1	0.0415	415	41
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		and within 1-2mm wide chlorite stringers	870879		94.00	96.00	2.00	13	7	70		90	<1	0.0563	563	38
				bands up to 10cm wide		po content decreases downhole	870880		96.00	98.00	2.00	13	7	159		179	<1	0.0478	478	60
			3b - Heterogeneous gabbro with skeletal magnetite				870881		98.00	100.00	2.00	13	24	97		134	<1	0.0477	477	38
				from 83.48-84.58, 86.21-86.85, 88.17-88.70, 96.65-96.95, 99.55-99.80, 104.36-104.90, 105.36-106.10, 112.17-113.10			870882		100.00	102.00	2.00	13	7	56		76	<1	0.0529	529	26
				all with skeletal magnetite difficult to distinguish due to chlorite alteration			870883	mpg1				225	1018	3439		4682	3.83	0.6535	6535	449
116.78	125.40	3b - Heterogeneous gabbro with skeletal magnetite					870884		102.00	104.00	2.00	13	18	56		87	<1	0.0407	407	29
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	0.5% to 1% disseminated sulphides		870885		104.00	106.00	2.00	18	18	195		231	<1	0.1037	1037	71
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal		trace up to 1% fine to crs-gr cpy: disseminated, local blebs, an	870886		106.00	108.00	2.00	8	19	64		91	<1	0.0485	485	38
				minor patchy albite alteration; mod to intense chl alteration - difficult to distinguish skeletal texture		within 1-2mm wide chlorite stringers	870887		108.00	110.00	2.00	15	29	133		177	<1	0.1049	1049	47
			3a - Heterogeneous gabbro with patchy to pervasive albite				870888		110.00	112.00	2.00	22	32	241		295	<1	0.081	810	61
				from 119.70-120.20, 120.36-120.46			870889		112.00	114.00	2.00	19	21	215		255	<1	0.0644	644	59
125.40	131.20	3a - Heterogeneous gabbro with patchy to pervasive albite					870890		114.00	116.00	2.00	18	7	78		103	<1	0.041	410	32
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides		870891		116.00	118.00	2.00	34	22	347		403	1.12	0.1504	1504	102
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace fine-gr disseminated cpy	870892		118.00	120.00	2.00	26	19	259		304	<1	0.1056	1056	103
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite			870893		120.00	122.00	2.00	15	7	44		66	<1	0.0213	213	82
131.20	133.18	2b - Medium to coarse-grained homogeneous gabbro					870894	d	120.00	122.00	2.00	21	7	68		96	<1	0.0326	326	84
				med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; minor fine-gr disseminated albite		no visible sulphides	870895		122.00	124.00	2.00	22	7	62		91	<1	0.0227	227	82
				well defined upper and lower contacts with heterogeneous gabbro, 3a			870896		124.00	126.00	2.00	21	7	46		74	<1	0.0246	246	57
			3a - Heterogeneous gabbro with patchy to pervasive albite				870897		126.00	128.00	2.00	14	7	43		64	<1	0.0238	238	44
				from 132.56-132.92			870898		128.00	130.00	2.00	15	7	25		47	<1	0.025	250	44
133.18	138.20	3a - Heterogeneous gabbro with patchy to pervasive albite					870899		130.00	132.00	2.00	16	7	23		46	<1	0.0281	281	35
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides		870900	b				2	7	5		14	<1	0.00005	0.5	<1
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace fine-gr disseminated cpy	870901		132.00	134.00	2.00	14	7	30		51	<1	0.0263	263	25
				minor fine-gr albite patches to abundant pervasive networks of fine to med-gr albite			870902		134.00	136.00	2.00	11	7	36		54	<1	0.0246	246	31
138.20	145.80	3b - Heterogeneous gabbro with skeletal magnetite					870903		136.00	138.00	2.00	12	7	70		89	<1	0.0268	268	71
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 1-2% sulphides		870904		138.00	140.00	2.00	17	18	187		222	<1	0.049	490	88
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal		trace up to 3% fine to crs-gr cpy: disseminated, local blebs, an	870905		140.00	142.00	2.00	23	30	332		385	<1	0.1852	1852	122
				minor patchy albite alteration; mod to intense chl alteration - difficult to distinguish skeletal texture		within 1-2mm wide chlorite stringers	870906	mpg2				92	203	793		1088	1.6	0.2814	2814	313

			3a - Heterogeneous gabbro with patchy to pervasive albite			trace up to 1% fine to crs-gr disseminated bornite
				from 144.84-144.97, 145.23-145.48		
145.80	171.75	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	3-5% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		from 145.80-157.97:
				minor fine-gr albite patches to abundant pervasive networks of fine to med-gr albite and scattered albite-rich		trace up to 5% fine to crs-gr cpy: disseminated, local blebs, an
				bands up to 5cm wide		within 1-2mm wide chlorite stringers
			3b - Heterogeneous gabbro with skeletal magnetite			trace up to 1% fine to crs-gr disseminated bornite
				from 148.84-149.10, 151.86-152.30, 155.28-155.59, 157.82-157.97, 169.86-170.30	0.5% to 1% disseminated sulphides	
						from 157.97-171.75:
						trace up to 2% fine to med-gr disseminated cpy
						except: from 169.86-170.30
					2-3% disseminated sulphides	
						from 169.86-170.30 2-4% fine to crs-gr disseminated cpy withi
						3b subunit
171.75	193.85	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 4% fine to crs-gr cpy: disseminated, local blebs, an
				minor to moderate patchy albite alteration; mod to intense chl alteration		within 1-3mm wide chlorite stringers
				from 172.75-184.10 numerous chl-filled fractures as well as chl, carb, and/or hematite filled healed fractures		trace up to 2% fine to crs-gr bornite: disseminated and as local
				several widely scattered carb veins, 2-5cm wide, @80-90deg to ca in this interval		"ameoba-shaped" blebs
193.85	197.10	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 1-2% sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to crs-gr cpy: disseminated, local blebs, an
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		within 1-3mm wide chlorite stringers
						trace up to 1% fine to crs-gr bornite: disseminated and as local
						blebs
197.10	200.00	5b - Amphibole syenite				
				from 197.10-197.56 intermixed zone of 5b and 3a: diffuse contact between gabbro and syenite	Trace to 0.5% disseminated sulphides	
				syenite is fine to med-gr pinkish red with few chl-filled healed fractures		trace up to 0.5% fine to med-gr disseminated cpy
						from 197.10-197.56 trace fine-gr bornite
200.00		EOH - End of Hole				

870907		142.00	144.00	2.00	22	19	237		278	1.14	0.1694	1694	82
870908		144.00	146.00	2.00	54	45	786		885	2.73	0.5958	5958	191
870909		146.00	148.00	2.00	28	28	348		404	1.99	0.3839	3839	121
870910		148.00	150.00	2.00	35	21	320		376	1.38	0.3199	3199	135
870911		150.00	152.00	2.00	35	33	359		427	1.78	0.3411	3411	121
870912		152.00	154.00	2.00	66	7	243		316	1.08	0.134	1340	83
870913		154.00	156.00	2.00	23	17	193		233	1.37	0.1378	1378	57
870914		156.00	158.00	2.00	27	19	300		346	<1	0.1778	1778	73
870915		158.00	160.00	2.00	14	23	123		160	<1	0.0618	618	65
870916	d	158.00	160.00	2.00	14	17	104		135	<1	0.0604	604	71
870917		160.00	162.00	2.00	12	7	70		89	<1	0.0673	673	43
870918		162.00	164.00	2.00	26	7	70		103	<1	0.0547	547	36
870919		164.00	166.00	2.00	19	7	129		155	<1	0.0793	793	73
870920		166.00	168.00	2.00	14	7	75		96	<1	0.0707	707	32
870921		168.00	170.00	2.00	15	7	100		122	<1	0.0763	763	44
870922	b				2	7	5		14	<1	0.0001	1	<1
870923		170.00	172.00	2.00	24	37	389		450	<1	0.1903	1903	99
870924		172.00	174.00	2.00	49	68	913		1030	<1	0.1195	1195	159
870925		174.00	176.00	2.00	59	50	799		908	1.79	0.3069	3069	146
870926		176.00	178.00	2.00	96	89	1338		1523	3.21	0.5868	5868	206
870927		178.00	180.00	2.00	36	37	488		561	1.29	0.1856	1856	107
870928	mpg1				248	932	3275		4455	3.35	0.6746	6746	465
870929		180.00	182.00	2.00	61	49	848		958	1.64	0.3019	3019	170
870930		182.00	184.00	2.00	59	68	969		1096	1.76	0.3382	3382	168
870931		184.00	186.00	2.00	83	89	1235		1407	2.32	0.4368	4368	197
870932		186.00	188.00	2.00	74	72	1161		1307	2.67	0.5419	5419	224
870933		188.00	190.00	2.00	104	90	1533		1727	4.42	0.8784	8784	255
870934		190.00	192.00	2.00	91	70	1240		1401	4.85	0.8303	8303	238
870935		192.00	194.00	2.00	73	78	1200		1351	2.72	0.4031	4031	211
870936		194.00	196.00	2.00	42	43	623		708	1.88	0.4072	4072	141
870937		196.00	198.00	2.00	31	33	486		550	1.76	0.3725	3725	110
870938		198.00	200.00	2.00	9	7	47		63	<1	0.0314	314	20
870939	d	198.00	200.00	2.00	7	7	37		51	<1	0.0324	324	24
870940	b				2	7	5		14	<1	0.00005	0.5	<1
870941	mpg2				115	353	852		1320	1.69	0.2663	2663	308

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS: 42 D / 16

UTM	**Northing**	**5407450**
(Nad27)	**Easting**	**537600**
Elevation (m):		
Dip at Collar:		**-60**
Azimuth:		**90**
Total Depth:		**180m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG

Depth	Dip	Azimuth
174m	-60.5	98.8

DDH:G-10-19

Property: Geordie Lake
Zone:
Date start: 25-Feb-10
Date finish: 26-Feb-10
Contractor: CABO DRILLING
Logged by: Rachel Epstein

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	4.70	O/B - Overburden						870942		72.00	74.00	2.00	14	7	22		43	<1	0.0314	314	39
								870943		74.00	76.00	2.00	11	7	27		45	<1	0.0445	445	66
4.70	16.00	2a - Coarse grained gabbro with plag lineation						870944		76.00	78.00	2.00	13	17	70		100	<1	0.0768	768	74
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90		Trace to 0.5% disseminated sulphides		870945		78.00	80.00	2.00	14	7	72		93	<1	0.1174	1174	67
				to ca; abundant chl alteration of mafic minerals; minor to moderate disseminated fine-gr albite			trace fine to med-gr disseminated cpy	870946		80.00	82.00	2.00	15	7	61		83	<1	0.0653	653	51
16.00	20.62	4a - Amphibole kspar porphyry dikelet						870947	d	80.00	82.00	2.00	12	23	56		91	<1	0.0674	674	48
				very fine-gr dark greenish-gray groundmass with med to crs-gr euhedral px/amphibole? And			no visible sulphides	870948		82.00	84.00	2.00	11	16	38		65	<1	0.0467	467	40
				crs-gr (1-2cm long, 1-3mm wide) plg laths in a random orientation, "snowflake-like"; abundant chl alteration				870949		84.00	86.00	2.00	14	7	78		99	<1	0.0881	881	64
				well defined upper and lower contact with 2a gabbro - NO chilled margins				870950		86.00	88.00	2.00	24	22	97		143	<1	0.1184	1184	53
20.62	60.25	2a - Coarse grained gabbro with plag lineation						870951		88.00	90.00	2.00	17	29	108		154	<1	0.1355	1355	60
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90		Trace to 0.5% disseminated sulphides		870952		90.00	92.00	2.00	16	7	86		109	<1	0.079	790	55
				to ca; abundant chl alteration of mafic minerals; minor to moderate disseminated fine-gr albite			trace fine to med-gr disseminated cpy	870953	b				2	7	5		14	<1	0.0001	1	<1
				gradational lower contact defined by loss of plg lineation				870954		92.00	94.00	2.00	12	20	47		79	<1	0.0441	441	47
60.25	77.11	2b - Medium to coarse-grained homogeneous gabbro						870955		94.00	96.00	2.00	12	15	40		67	<1	0.0266	266	34
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi		Trace to 0.5% disseminated sulphides		870956		96.00	98.00	2.00	12	7	55		74	<1	0.0479	479	41
				mod chl alteration of mafic minerals; well defined lower contact with heterogeneous gabbro, 3a			trace fine to med-gr disseminated cpy	870957		98.00	100.00	2.00	21	7	48		76	<1	0.0537	537	24
77.11	113.43	3a - Heterogeneous gabbro with patchy to pervasive albite						870958		100.00	102.00	2.00	13	7	32		52	<1	0.0344	344	17
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides		870959	mpg1				282	996	3593		4871	3.24	0.6857	6857	430
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 1% fine to crs-gr cpy: disseminated and within 1-2m	870960		102.00	104.00	2.00	15	7	44		66	<1	0.0474	474	28
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite			wide chlorite stringers	870961		104.00	106.00	2.00	14	7	83		104	<1	0.0479	479	29
			3b - Heterogeneous gabbro with skeletal magnetite				trace up to 0.5% fine to crs-gr disseminated po	870962		106.00	108.00	2.00	12	7	53		72	<1	0.054	540	33
				from 77.80-78.39, 79.38-79.84, 83.69-84.24, 92.88-94.20, 97.90-98.0, 104.50-104.70, 109.0-109.38, 110.54-111.25,				870963		108.00	110.00	2.00	17	7	165		189	<1	0.1325	1325	76
				112.05-112.42 -- all with skeletal magnetite difficult to distinguish due to chlorite alteration				870964		110.00	112.00	2.00	16	7	118		141	<1	0.1262	1262	94
113.43	129.46	3b - Heterogeneous gabbro with skeletal magnetite						870965		112.00	114.00	2.00	24	26	278		328	1.12	0.1826	1826	93
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		Trace to 0.5% disseminated sulphides		870966		114.00	116.00	2.00	12	7	86		105	<1	0.0309	309	78
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal			trace up to 0.5% fine to crs-gr disseminated cpy	870967		116.00	118.00	2.00	33	49	403		485	1.83	0.16	1600	114
				minor patchy albite alteration; mod to intense chl alteration - difficult to distinguish skeletal texture				870968		118.00	120.00	2.00	20	26	162		208	<1	0.0596	596	76
			3a - Heterogeneous gabbro with patchy to pervasive albite					870969		120.00	122.00	2.00	27	22	212		261	<1	0.0322	322	108
				from 117.69-117.95, 118.54-119.14, 122.83-123.20, 123.97-124.45				870970	d	120.00	122.00	2.00	29	30	199		258	<1	0.0364	364	111
129.46	131.50	3a - Heterogeneous gabbro with patchy to pervasive albite						870971		122.00	124.00	2.00	15	23	109		147	<1	0.0294	294	81
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870972		124.00	126.00	2.00	16	7	65		88	<1	0.0241	241	71
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 0.5% fine to crs-gr disseminated cpy	870973		126.00	128.00	2.00	14	7	36		57	<1	0.0214	214	82
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite				870974		128.00	130.00	2.00	9	7	35		51	<1	0.0234	234	50
131.50	134.58	2b - Medium to coarse-grained homogeneous gabbro						870975		130.00	132.00	2.00	9	7	23		39	<1	0.0247	247	41
				med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; minor to mod fine-gr dissemin. albite		Trace to 0.5% disseminated sulphides		870976	b				2	7	5		14	<1	0.00005	0.5	<1
				diffuse upper and lower contacts with heterogeneous gabbro, 3a			trace up to 0.5% fine to med-gr disseminated cpy both within	870977		132.00	134.00	2.00	8	7	22		37	<1	0.025	250	30
			3a - Heterogeneous gabbro with patchy to pervasive albite				2b and 3a	870978		134.00	136.00	2.00	15	7	28		50	<1	0.026	260	27
				from 132.27-132.62, 133.03-133.60				870979		136.00	138.00	2.00	8	7	25		40	<1	0.027	270	24
134.58	140.25	3a - Heterogeneous gabbro with patchy to pervasive albite						870980		138.00	140.00	2.00	9	7	68		84	<1	0.028	280	73
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		Trace to 0.5% disseminated sulphides		870981		140.00	142.00	2.00	27	7	286		320	1.28	0.1775	1775	119
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 0.5% fine to med-gr disseminated cpy	870982	mpg2				67	217	805		1089	1.14	0.2596	2596	303

				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		
			3b - Heterogeneous gabbro with skeletal magnetite			
				from 138.80-139.0, 139.48-139.98		
140.25	170.36	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 1-2% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		from 140.25-158.40 (except for 148.42-148.82):
				minor patchy albite alteration; mod to intense chl alteration		trace up to 2% fine to crs-gr cpy: disseminated, local blebs, an
				from 153.50-157.30 numerous carb-filled stringers and chl and/or carb-filled fractures		within 1-2mm wide chlorite stringers
						trace up to 0.5% fine to crs-gr disseminated bornite
					3-5% disseminated sulphides	
						from 148.42-148.82 3-5% fine to crs-gr disseminated to blebs
						cpy and 0.5% fine to med-gr disseminated bornite
					Local blebs to 2-4% sulphides	
						from 158.40-170.36 (with two exceptions):
						trace up to 4% fine to crs-gr cpy: disseminated, local blebs, an
						within 1-2mm wide chlorite stringers
						trace up to 2% fine to crs-gr disseminated bornite
					3-5% disseminated sulphides	
						from 164.46-165.16 and 166.66-167.14 5-10% fine to crs-gr
						disseminated to blebs of cpy and 1% fine to med-gr bornite
170.36	172.60	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 2-4% sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 4% fine to crs-gr cpy: disseminated and local blebs
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite		trace fine-gr disseminated bornite
				from 171.73-171.84 1cm wide magnetite vein @45deg to ca with 50% cpy	Semi massive to massive sulphides	
						from 171.73-171.84 semi-massive cpy within magnetite vein
172.60	180.00	5a - Quartz syenite				
				from 172.60-173.05 intermix of 3a gabbro and 5a	0.5% to 1% disseminated sulphides	
				pinkish red med-gr quartz syenite with scattered chlorite stringers		trace up to 1% fine-gr cpy: disseminated and within 1mm wide
180.00		EOH - End of Hole				chlorite stringers

870983		142.00	144.00	2.00	45	36	750		831	1.23	0.2373	2373	186	
870984		144.00	146.00	2.00	60	39	912		1011	3.97	0.6464	6464	237	
870985		146.00	148.00	2.00	35	29	519		583	1.5	0.3331	3331	203	
870986		148.00	150.00	2.00	35	23	491		549	2.48	0.5203	5203	225	
870987		150.00	152.00	2.00	13	7	126		146	<1	0.1055	1055	94	
870988		152.00	154.00	2.00	16	7	90		113	<1	0.0741	741	73	
870989		154.00	156.00	2.00	18	7	165		190	<1	0.1184	1184	83	
870990		156.00	158.00	2.00	44	27	581		652	1.38	0.2119	2119	133	
870991		158.00	160.00	2.00	60	47	519		626	1.34	0.2534	2534	143	
870992	d	158.00	160.00	2.00	33	26	585		644	1.28	0.2604	2604	147	
870993		160.00	162.00	2.00	43	35	589		667	3.06	0.3024	3024	149	
870994		162.00	164.00	2.00	58	58	1182		1298	2.94	0.5341	5341	227	
870995		164.00	166.00	2.00	58	68	1280		1406	3.27	0.7226	7226	217	
870996		166.00	168.00	2.00	87	97	1281		1465	4.92	0.9997	9997	257	
870997		168.00	170.00	2.00	101	84	1188		1373	4.44	0.7109	7109	231	
870998	b				2	7	5		14	<1	0.0002	2	<1	
870999		170.00	172.00	2.00	49	46	726		821	2.91	0.5889	5889	195	
871000		172.00	174.00	2.00	36	21	527		584	1.44	0.4221	4221	87	
871001		174.00	176.00	2.00	36	18	430		484	1.01	0.4217	4217	43	
871002		176.00	178.00	2.00	29	7	294		330	<1	0.3508	3508	40	
871003		178.00	180.00	2.00	44	21	465		530	<1	0.2902	2902	30	
871004	mpg1				270	1081	3500		4851	3.38	0.6308	6308	474	

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS:		**42 D / 16**
UTM	**Northing**	**5407550**
(Nad27)	**Easting**	**537619**
Elevation (m):		
Dip at Collar:		**-65**
Azimuth:		**90**
Total Depth:		**188m**
Core Size:		**NQ**

Remarks: **Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario**

DIAMOND DRILL CORE LOG

Depth	Dip	Azimuth
101	-65.5	
188	-66.2	88.8

DDH:G-10-20

Property:	**Geordie Lake**
Zone:	
Date start:	**27-Feb-10**
Date finish:	**01-Mar-10**
Contractor:	**CABO DRILLING**
Logged by:	**Rachel Epstein**

GEOLOGY					Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	1.55	O/B - Overburden					871005		64.00	66.00	2.00	13	7	34		54	<1	0.0372	372	68
							871006		66.00	68.00	2.00	17	7	90		114	<1	0.1107	1107	85
1.55	23.31	2a - Coarse grained gabbro with plag lineation					871007		68.00	70.00	2.00	14	17	83		114	1.25	0.128	1280	59
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90	Trace to 0.5% disseminated sulphides		871008		70.00	72.00	2.00	20	18	213		251	1.26	0.1937	1937	80
				to ca; abundant chl alteration of mafic minerals; minor to moderate disseminated fine-gr albite		trace up to 0.5% fine to crs-gr disseminated cpy	871009		72.00	74.00	2.00	22	18	223		263	<1	0.208	2080	86
23.31	28.07	4a - Amphibole kspar porphyry dikelet					871010	d	72.00	74.00	2.00	24	7	253		284	<1	0.182	1820	81
				very fine-gr dark greenish-gray groundmass with med to crs-gr euhedral px/amphibole? And		no visible sulphides	871011		74.00	76.00	2.00	25	7	179		211	<1	0.1382	1382	59
				crs-gr (1-2cm long, 1-3mm wide) plg laths in a random orientation, "snowflake-like"; abundant chl alteration			871012		76.00	78.00	2.00	33	7	29		69	<1	0.037	370	15
				well defined upper and lower contact with 2a gabbro - NO chilled margins			871013		78.00	80.00	2.00	15	7	35		57	<1	0.0444	444	14
				numerous scattered chl and carb-filled fractures			871014		80.00	82.00	2.00	11	7	40		58	<1	0.0483	483	14
28.07	56.20	2a - Coarse grained gabbro with plag lineation					871015		82.00	84.00	2.00	16	7	89		112	<1	0.0506	506	24
				med to crs-gr plg-px-ol cumulate with mod interstitial mag and flow alignment of crs-gr plg laths @80-90	Trace to 0.5% disseminated sulphides		871016	b				7	7	5		19	<1	0.0006	6	2
				to ca; abundant chl alteration of mafic minerals; minor to moderate disseminated fine-gr albite		trace up to 0.5% fine to crs-gr disseminated cpy	871017		84.00	86.00	2.00	17	7	110		134	<1	0.0811	811	23
				gradational lower contact defined by loss of plg lineation			871018		86.00	88.00	2.00	22	7	82		111	<1	0.1501	1501	59
56.20	59.47	2b - Medium to coarse-grained homogeneous gabbro					871019		88.00	90.00	2.00	30	22	221		273	<1	0.1529	1529	60
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi	Trace to 0.5% disseminated sulphides		871020		90.00	92.00	2.00	28	7	172		207	<1	0.0814	814	33
				mod chl alteration of mafic minerals		trace fine-gr disseminated cpy	871021		92.00	94.00	2.00	15	7	116		138	<1	0.067	670	50
59.47	62.90	4a - Amphibole kspar porphyry dikelet					871022	mpg2				81	209	764		1054	1.23	0.285	2850	279
				euhedral kspar and amphibole (px? phenocrysts) in a very fine-gr green-gray groundmass		no visible sulphides - except one fine-gr cpy speck	871023		94.00	96.00	2.00	22	7	115		144	<1	0.0627	627	44
				no elongated plg laths; well defined contacts with 2b gabbro			871024		96.00	98.00	2.00	14	7	86		107	<1	0.082	820	31
62.90	66.98	2b - Medium to coarse-grained homogeneous gabbro					871025		98.00	100.00	2.00	7	19	45		71	<1	0.0108	108	124
				med to crs-gr plg-px-ol cumulate with moderate euhedral interstitial mag; mod. fine-gr disseminated albi	Trace to 0.5% disseminated sulphides		871026		100.00	102.00	2.00	11	7	64		82	<1	0.0247	247	23
				mod chl alteration of mafic minerals; well defined lower contact with heterogeneous gabbro, 3a		trace fine-gr disseminated cpy	871027		102.00	104.00	2.00	10	7	42		59	<1	0.0269	269	29
66.98	104.18	3a - Heterogeneous gabbro with patchy to pervasive albite					871028		104.00	106.00	2.00	24	18	368		410	<1	0.1	1000	92
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides		871029		106.00	108.00	2.00	26	15	230		271	<1	0.0521	521	109
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to crs-gr cpy: disseminated, local blebs, an	871030		108.00	110.00	2.00	10	7	71		88	<1	0.0159	159	93
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		within 1-2mm wide chorite stringers	871031		110.00	112.00	2.00	13	7	65		85	<1	0.0231	231	41
				bands up to 5cm wide			871032		112.00	114.00	2.00	18	7	28		53	<1	0.0273	273	25
				from 76.35-83.70 texture is predominantly fine to med-gr cumulate with crs to very crs-gr subrounded albite			871033	d	112.00	114.00	2.00	11	7	24		42	<1	0.0236	236	25
				blebs (instead of pervasive albite networks); many of these albite blebs have a chlorite nucleus			871034		114.00	116.00	2.00	8	7	29		44	<1	0.0239	239	39
			3b - Heterogeneous gabbro with skeletal magnetite				871035		116.00	118.00	2.00	14	7	24		45	<1	0.0257	257	27
				from 71.0-71.54, 73.40-73.58, 74.0-74.45, 74.57-74.68, 88.52-88.70, 89.21-89.43, 92.54-93.70, 98.36-99.92 - all			871036		118.00	120.00	2.00	15	7	116		138	<1	0.051	510	55
				with skeletal magnetite difficult to distinguish due to intense chlorite alteration			871037		120.00	122.00	2.00	12	7	121		140	<1	0.0334	334	60
104.18	110.84	3b - Heterogeneous gabbro with skeletal magnetite					871038		122.00	124.00	2.00	36	29	370		435	<1	0.1153	1153	122
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Trace to 0.5% disseminated sulphides		871039	b				6	7	5		18	<1	0.0046	46	20
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace fine to med-gr disseminated bornite	871040		124.00	126.00	2.00	48	18	832		898	3.25	0.6523	6523	202
				minor patchy albite alteration; mod to intense chl alteration		trace up to 0.5% fine to med-gr cpy: disseminated and local bl	871041		126.00	128.00	2.00	48	7	577		632	2.19	0.5142	5142	172
110.84	116.08	3a - Heterogeneous gabbro with patchy to pervasive albite					871042		128.00	130.00	2.00	64	25	709		798	2.34	0.5278	5278	210
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides		871043		130.00	132.00	2.00	48	23	517		588	1.62	0.3685	3685	187
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine to med-gr cpy: disseminated and within	871044		132.00	134.00	2.00	22	21	196		239	<1	0.1351	1351	66
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		1mm wide chlorite stringers	871045	mpg1				276	1008	3269		4553	2.74	0.6573	6573	468

				bands up to 5cm wide		
116.08	117.70	2b - Medium to coarse-grained homogeneous gabbro				
				med-gr plg-px-ol cumulate with moderate euhedral interstitial mag; minor to mod fine-gr dissemin. albite		no visible sulphides - except one fine-gr cpy speck
				diffuse upper and lower contacts with heterogeneous gabbro, 3a		
117.70	121.88	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Trace to 0.5% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 0.5% fine to med-gr cpy: disseminated and within
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		1mm wide chlorite stringers
				bands up to 10cm wide		
121.88	131.85	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	3-5% disseminated sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 5% fine to crs-gr cpy: disseminated, local smeared
				minor patchy albite alteration; mod to intense chl alteration		blebs and within 1-2mm wide chlorite stringers
						trace up to 1% fine to med-gr disseminated bornite
131.85	136.48	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 1% fine to crs-gr cpy: disseminated and local blebs
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		
136.48	147.52	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	0.5% to 1% disseminated sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 2% fine to crs-gr disseminated cpy
				minor patchy albite alteration; mod to intense chl alteration		trace up to 1% fine to crs-gr disseminated bornite
			3a - Heterogeneous gabbro with patchy to pervasive albite			
				from 139.62-139.92, 140.73-141.06, 143.82-144.06		
147.52	157.15	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 2-4% sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 5% fine to very crs-gr cpy: disseminated and as local
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		smeared blebs
				bands up to 10cm wide		trace up to 2% fine to crs-gr disseminated bornite
			3b - Heterogeneous gabbro with skeletal magnetite			
				from 148.36-149.84		
157.15	171.85	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 2-4% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 5% fine to very crs-gr cpy: disseminated and as local
				minor patchy albite alteration; mod to intense chl alteration		smeared blebs and within 1-2mm wide chlorite stringers
			3a - Heterogeneous gabbro with patchy to pervasive albite			trace up to 2% fine to crs-gr disseminated bornite
				from 160.90-161.40, 161.58-162.27, 162.66-162.77, 163.87-164.87, 166.33-166.68, 167.65-167.89		
171.85	176.62	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	0.5% to 1% disseminated sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 2% fine to crs-gr cpy: disseminated, local smeared
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		blebs and within 1-2mm wide chlorite stringers
				from 174.94-174.98 semi-massive magnetite pod with smeared cpy and bornite		trace up to 0.5% fine-gr disseminated bornite
					Local blebs to 2-4% sulphides	
						from 174.94-174.98 4% cpy adn 0.5% bornite within a
						semi-massive magnetite pod
176.62	188.00	5a - Quartz syenite				
				from 176.62-176.87 intermix of 3a and 5a	0.5% to 1% disseminated sulphides	
				quartz syenite is pinkish red with numerous scattered chlorite stringers; highly fractured		from 176.62-178.20 trace up to 2% fine to crs-gr disseminated cpy
					Trace to 0.5% disseminated sulphides	
						from 178.20-188.0 trace fine to med-gr disseminated cpy
188.00		EOH - End of Hole				

871046		134.00	136.00	2.00	22	33	177		232	<1	0.1725	1725	62	
871047		136.00	138.00	2.00	41	38	478		557	1.17	0.255	2550	134	
871048		138.00	140.00	2.00	47	40	673		760	1.33	0.2816	2816	159	
871049		140.00	142.00	2.00	30	32	313		375	<1	0.1929	1929	141	
871050		142.00	144.00	2.00	39	20	373		432	<1	0.227	2270	123	
871051		144.00	146.00	2.00	29	7	328		364	<1	0.0567	567	110	
871052		146.00	148.00	2.00	45	23	519		587	<1	0.0546	546	110	
871053		148.00	150.00	2.00	49	43	592		684	<1	0.1476	1476	114	
871054		150.00	152.00	2.00	28	21	354		403	1.31	0.1573	1573	99	
871055	d	150.00	152.00	2.00	28	7	327		362	1.56	0.3478	3478	97	
871056		152.00	154.00	2.00	36	28	587		651	1.13	0.3361	3361	91	
871057		154.00	156.00	2.00	31	23	399		453	1.52	0.436	4360	114	
871058		156.00	158.00	2.00	39	36	450		525	1.33	0.3509	3509	114	
871059		158.00	160.00	2.00	92	62	1193		1347	4.48	0.9582	9582	226	
871060		160.00	162.00	2.00	59	46	793		898	2.67	0.7407	7407	166	
871061	b				2	7	12		21	<1	0.0002	2	<1	
871062		162.00	164.00	2.00	61	48	889		998	2.11	0.5471	5471	238	
871063		164.00	166.00	2.00	62	40	701		803	1.48	0.3937	3937	149	
871064		166.00	168.00	2.00	45	38	648		731	<1	0.3177	3177	123	
871065		168.00	170.00	2.00	81	60	1109		1250	2.21	0.4574	4574	200	
871066		170.00	172.00	2.00	93	66	1250		1409	2.64	0.6671	6671	193	
871067	mpg2				85	280	900		1265	1.26	0.2836	2836	303	
871068		172.00	174.00	2.00	61	37	765		863	2.3	0.5619	5619	121	
871069		174.00	176.00	2.00	44	45	792		881	2.84	0.8844	8844	196	
871070		176.00	178.00	2.00	33	22	519		574	1.56	0.8625	8625	128	
871071		178.00	180.00	2.00	10	7	159		176	<1	0.1537	1537	19	

MARATHON PGM CORPORATION - DIAMOND DRILL CORE LOG

NTS: 42 D / 16

UTM (Nad27)	**Northing**	**5407625**
	Easting	**537750**
Elevation (m):		
Dip at Collar:		**-50**
Azimuth:		**90**
Total Depth:		**83m**
Core Size:		**NQ**

Remarks: Core stored in Marathon PGM Corporation warehouse, Marathon, Ontario

DIAMOND DRILL CORE LOG

Depth	Dip	Azimuth
83m	-50.3	

DDH:G-10-21

Property: Geordie Lake
Zone:
Date start: 01-Mar-10
Date finish: 02-Mar-10
Contractor: CABO DRILLING
Logged by: Rachel Epstein

GEOLOGY						Mineralization		SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni
From	To	Maj Rock	Min Rock	Comments		Mineraliz	Comments	NO.	QC	FROM	TO		ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppm
0.00	2.85	O/B - Overburden						871072		2.85	5.00	2.15	18	7	11		36	<1	0.021	210	30
								871073		5.00	7.00	2.00	13	7	5		25	<1	0.0297	297	20
2.85	18.22	3a - Heterogeneous gabbro with patchy to pervasive albite				Trace to 0.5% disseminated sulphides		871074		7.00	9.00	2.00	11	7	34		52	<1	0.0246	246	15
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite			trace up to 0.5% fine to med-gr cpy: disseminated and within	871075		9.00	11.00	2.00	6	7	28		41	<1	0.025	250	14
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			1-2mm wide chlorite stringers	871076		11.00	13.00	2.00	6	7	14		27	<1	0.0274	274	23
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite				871077	d	11.00	13.00	2.00	9	7	21		37	<1	0.0245	245	22
			2b - Medium to coarse-grained homogeneous gabbro					871078		13.00	15.00	2.00	6	7	26		39	<1	0.0224	224	29
				from 4.20-4.60, 11.57-11.90				871079		15.00	17.00	2.00	8	7	31		46	<1	0.0252	252	29
			3b - Heterogeneous gabbro with skeletal magnetite					871080		17.00	19.00	2.00	11	7	47		65	<1	0.0323	323	40
				from 14.30-15.47 with skeletal magnetite difficult to distinguish due to chlorite alteration				871081		19.00	21.00	2.00	11	7	78		96	<1	0.0302	302	78
18.22	29.59	3b - Heterogeneous gabbro with skeletal magnetite						871082		21.00	23.00	2.00	25	17	302		344	<1	0.1213	1213	96
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		0.5% to 1% disseminated sulphides		871083	b				2	7	5		14	<1	0.0007	7	4
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			trace up to 2% fine to crs-gr cpy: disseminated, local smeared	871084		23.00	25.00	2.00	26	7	366		399	1.2	0.3008	3008	92
				minor patchy albite alteration; mod to intense chl alteration			blebs, and within 1-3mm wide chlorite stringers	871085		25.00	27.00	2.00	34	26	459		519	1.89	0.5257	5257	126
							trace up to 1% fine to med-gr disseminated bornite	871086		27.00	29.00	2.00	29	20	412		461	1.34	0.3176	3176	115
29.59	38.54	3a - Heterogeneous gabbro with patchy to pervasive albite						871087		29.00	31.00	2.00	31	7	330		368	1.81	0.3941	3941	78
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides		871088		31.00	33.00	2.00	15	7	117		139	<1	0.1134	1134	40
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 2% fine to crs-gr cpy: disseminated, local smeared	871089	mpg1				312	1010	3503		4825	2.66	0.671	6710	434
				moderate fine-gr albite patches to abundant pervasive networks of fine to med-gr albite			blebs, and within 1-3mm wide chlorite stringers	871090		33.00	35.00	2.00	17	7	147		171	<1	0.1178	1178	58
			3b - Heterogeneous gabbro with skeletal magnetite				trace fine-gr disseminated bornite	871091		35.00	37.00	2.00	15	7	135		157	<1	0.0841	841	51
				from 33.05-33.65, 37.42-38.0				871092		37.00	39.00	2.00	60	54	920		1034	1.49	0.2907	2907	114
38.54	43.68	3b - Heterogeneous gabbro with skeletal magnetite						871093		39.00	41.00	2.00	67	51	1161		1279	2.27	0.412	4120	134
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite		Local blebs to 2-4% sulphides		871094		41.00	43.00	2.00	64	61	1130		1255	1.55	0.3402	3402	130
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic			trace up to 2% fine to crs-gr cpy: disseminated, local smeared	871095		43.00	45.00	2.00	30	7	469		506	<1	0.159	1590	99
				minor patchy albite alteration; mod to intense chl alteration			blebs, and within 1-3mm wide chlorite stringers	871096		45.00	47.00	2.00	7	7	16		30	<1	0.012	120	52
			3a - Heterogeneous gabbro with patchy to pervasive albite				trace up to 2% fine to crs-gr bornite: disseminated and as loca	871097		47.00	49.00	2.00	7	7	11		25	<1	0.0085	85	53
				from 41.0-41.47			"ameoba-shaped" blebs	871098		49.00	51.00	2.00	6	7	5		18	<1	0.0085	85	61
43.68	51.45	4a - Amphibole kspar porphyry dikelet						871099		51.00	53.00	2.00	33	18	502		553	1.11	0.3095	3095	94
				very fine-gr dark greenish-gray groundmass with med to crs-gr euhedral px/amphibole? And			no visible sulphides	871100	d	51.00	53.00	2.00	46	17	504		567	1.34	0.2715	2715	91
				crs-gr (1-2cm long, 1-3mm wide) plg laths in a random orientation, "snowflake-like"; abundant chl alteration				871101		53.00	55.00	2.00	34	7	301		342	<1	0.2991	2991	113
				well defined upper and lower contacts with hetergeneous gabbro 3b and 3a, respectively				871102		55.00	57.00	2.00	25	18	395		438	<1	0.2004	2004	118
51.45	64.48	3a - Heterogeneous gabbro with patchy to pervasive albite						871103		57.00	59.00	2.00	20	7	254		281	1.2	0.1306	1306	66
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite		0.5% to 1% disseminated sulphides		871104		59.00	61.00	2.00	51	7	277		335	<1	0.1982	1982	65
				texture varies from subophitic to ophitic to cumulate; mod chl alteration			trace up to 2% fine to crs-gr cpy: disseminated and local blebs	871105		61.00	63.00	2.00	49	30	523		602	1.12	0.457	4570	104
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich			trace fine-gr disseminated bornite	871106	b				2	7	5		14	<1	0.0002	2	<1
				bands up to 10-30cm wide			no visible sulphides within quartz syenite dikelets	871107		63.00	65.00	2.00	60	18	569		647	<1	0.3469	3469	107
			5a - Quartz syenite					871108		65.00	67.00	2.00	35	22	519		576	<1	0.195	1950	98
				from 52.68-52.76, 53.85-54.85 - aphanitic, dark gray				871109		67.00	69.00	2.00	24	7	259		290	<1	0.1151	1151	73
				from 58.60-60.40 fine-gr grayish pink with scattered med-gr quartz and kspar phenocrysts; also with 10-15cm				871110		69.00	71.00	2.00	35	27	508		570	1.3	0.3758	3758	104
				wide dark gray, aphanitic upper and lower chilled margins				871111		71.00	73.00	2.00	39	31	481		551	1.4	0.4405	4405	111
				from 63.28-63.62 aphanitic dark gray to pinkish gray				871112	mpg2				82	247	924		1253	<1	0.2692	2692	257

			3b - Heterogeneous gabbro with skeletal magnetite			
				from 56.18-56.80		
64.48	68.10	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 1-2% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 3% fine to crs-gr cpy: disseminated and as local
				minor patchy albite alteration; mod to intense chl alteration		smeared blebs and within 1-2mm wide chlorite stringers
68.10	73.75	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 1-2% sulphides	
				texture varies from subophitic to ophitic to cumulate; mod chl alteration		trace up to 3% fine to crs-gr cpy: disseminated and as local
				minor fine-gr albite patches to moderate pervasive networks of fine to med-gr albite to scattered albite-rich		smeared blebs and within 1-3mm wide chlorite stringers
				bands up to 10cm wide		trace fine-gr disseminated bornite
			3b - Heterogeneous gabbro with skeletal magnetite			
				from 70.48-71.28		
73.75	76.22	3b - Heterogeneous gabbro with skeletal magnetite				
				med to crs-gr, variably textured pl-px-ol with abundant skeletal magnetite	Local blebs to 1-2% sulphides	
				magnetite varies from med-gr interstitial to very crs-gr euhedral to skeletal to dendritic		trace up to 2% fine to crs-gr cpy: disseminated and as local
				minor patchy albite alteration; mod to intense chl alteration		smeared blebs and within 1-2mm wide chlorite stringers
						trace up to 1% fine-gr disseminated bornite and covellite
						covellite is bright metallic blue
76.22	78.41	3a - Heterogeneous gabbro with patchy to pervasive albite				
				med to crs-gr, variably textured plg-px-ol with mod spotted to euhedral interstitial magnetite	Local blebs to 2-4% sulphides	
				texture is predominantly med-gr cumulate; mod chl alteration		trace up to 4% fine to crs-gr cpy: disseminated and as local
				minor fine-gr albite patches to minor pervasive networks of fine to med-gr albite		smeared blebs and within 1-2mm wide chlorite stringers
						trace up to 1% fine-gr disseminated bornite and covellite
						covellite is bright metallic blue
78.41	83.00	5a - Quartz syenite				
				fine to med-gr pinkish red quartz syenite with scattered chlorite stringers	Trace to 0.5% disseminated sulphides	
				well defined upper contact with heterogeneous gabbro, 3a		from 78.41-78.52 fine to crs-gr disseminated cpy
				from 78.41-78.52 trace up to 0.5% disseminated cpy		
						no visible sulphides
						from 78.52-83.0
83.00		EOH - End of Hole				

871113		73.00	75.00	2.00	46	35	742		823	2.32	0.6505	6505	173
871114		75.00	77.00	2.00	69	54	1017		1140	3.47	0.9266	9266	197
871115		77.00	79.00	2.00	41	28	564		633	1.92	0.6836	6836	115
871116		79.00	81.00	2.00	17	7	65		89	<1	0.0868	868	14

Appendix C – Compilation of Assay Certificates for 2010 drilling

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Certificate of Analysis

Friday, February 5, 2010

Discovery PGM
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Toronto, ON, CAN
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Fax#: (416) 861-1925
Email#: jpmcgoran@zoolink.com

Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040223
Reference: Batch #G-10-01-A
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13517		870001	<5	<15	174		<1	52	486		85		77
13518	Dup	870001	6	<15	159		<1	52	522		83		87
13519		870002	31	<15	564		<1	82	621		139		257
13520		870003	37	43	766		<1	86	2249		157		231
13521		870004	25	23	611		2.24	70	5531		139		172
13522		870005	41	<15	406		2.14	63	5141		142		137
13523		870006	39	17	531		2.32	66	6018		157		252
13524		870007	60	27	566		2.65	65	7046		174		172
13525		870008	40	<15	583		2.31	58	5435		137		153
13526		870009	25	<15	302		<1	73	1404		117		162
13527		870010	41	<15	601		1.40	75	3127		131		149
13528	Dup	870010	48	19	552		1.40	72	3110		128		135
13529		870011	67	34	722		2.17	87	4437		159		148
13530	Rep	870011	65	36	664		2.18	86	4400		152		133
13531		870012	<5	<15	<10		1.48	<1	2		1		4
13532		870013	42	46	535		2.35	70	3557		145		101
13533		870014	57	23	414		1.97	66	3840		156		115
13534		870015	15	<15	168		1.10	59	1179		69		283
13535		870016	70	52	838		2.43	88	5263		203		165
13536		870017	108	46	896		3.35	78	5519		202		170
13537		870018	297	988	3481		3.34	68	7015		451		132
13538		870019	25	18	568		<1	57	3148		118		321
13539		870020	8	<15	<10		<1	8	49		7		170
13540		870021	<5	<15	<10		<1	6	35		6		180

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Fax#: (416) 861-1925
Email#: jpmcgoran@zoolink.com

Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040223
Reference: Batch #G-10-01-A
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13541	870022	16	<15	<10		<1	5	23		5		322

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040222
Reference: Batch #G-10-02A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13491		870023	36	<15	267		1.79	51	2650		96		100
13492	Dup	870023	36	17	258		1.63	50	2633		93		93
13493		870024	14	<15	133		<1	39	1248		51		122
13494		870025	11	<15	79		<1	41	690		46		269
13495		870026	<5	<15	23		<1	41	261		53		122
13496		870027	7	<15	<10		<1	43	82		57		126
13497		870028	<5	18	<10		<1	41	74		55		142
13498		870029	9	<15	<10		<1	43	76		66		123
13499		870030	<5	<15	15		<1	45	161		68		153
13500		870031	20	30	235		<1	61	1240		88		108
13501		870032	16	19	199		<1	51	959		76		96
13502	Dup	870032	17	30	175		<1	50	923		74		96
13503		870033	14	<15	78		<1	57	344		83		96
13504	Rep	870033	15	18	93		<1	55	302		77		96
13505		870034	<5	<15	<10		<1	<1	<1		<1		4
13506		870035	17	<15	82		<1	52	245		70		125
13507		870036	9	<15	24		<1	41	421		55		275
13508		870037	16	<15	69		<1	38	340		33		161
13509		870038	9	<15	31		<1	34	332		26		144
13510		870039	12	<15	26		<1	31	329		23		123
13511		870040	76	227	789		1.08	83	2826		310		96
13512		870041	11	57	26		<1	27	289		24		112
13513		870042	9	51	16		<1	27	294		19		117
13514		870043	15	50	17		<1	30	284		25		119

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Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040222
Reference: Batch #G-10-02A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13515	870044	12	42	51		<1	41	435		46		142
13516	870045	25	21	275		<1	56	835		82		114

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040220
Reference: Batch #G-10-02B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13440		870046	62	40	718		1.42	60	3351		110		98
13441	Dup	870046	69	61	717		1.56	62	3207		113		102
13442		870047	45	35	656		1.56	61	3555		107		106
13443		870048	49	42	631		1.20	56	2469		112		94
13444		870049	77	66	818		2.40	63	4956		143		114
13445		870050	49	55	552		2.13	81	4721		174		126
13446		870051	37	38	390		1.37	79	3152		139		120
13447		870052	26	<15	225		<1	43	1581		69		97
13448		870053	19	23	159		<1	42	1615		65		95
13449		870054	20	22	184		<1	38	2136		53		144
13450		870055	47	20	89		<1	32	1019		36		115
13451	Dup	870055	22	<15	87		<1	32	1086		37		116
13452		870056	29	22	162		<1	29	1743		43		91
13453	Rep	870056	21	25	169		<1	29	1750		44		91
13454		870057	<5	<15	<10		<1	<1	<1		<1		3
13455		870058	58	53	834		2.36	48	4303		98		182
13456		870059	789	44	463		1.80	45	3472		83		199
13457		870060	372	50	836		4.15	57	4886		119		196
13458		870061	74	54	893		2.14	72	4509		162		167
13459		870062	44	<15	601		2.27	189	6275		348		479
13460		870063	270	1043	3485		3.09	67	6773		438		130
13461		870064	39	<15	548		1.71	156	7348		331		413
13462		870065	98	<15	548		4.10	71	5295		198		437
13463		870066	11	<15	<10		<1	13	355		11		180

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Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040220
Reference: Batch #G-10-02B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13464	870067	10	<15	<10		<1	11	246		8		149

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Friday, February 5, 2010

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Email#: jpmcgoran@zoolink.com

Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040221
Reference: Batch #G-10-03A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13465		870068	<5	<15	57		<1	46	487		65		116
13466	Dup	870068	7	<15	58		<1	46	467		66		108
13467		870069	7	<15	<10		<1	43	107		56		92
13468		870070	<5	<15	<10		<1	45	186		59		137
13469		870071	8	<15	<10		<1	45	71		67		124
13470		870072	<5	<15	<10		<1	40	173		49		139
13471		870073	11	<15	<10		<1	41	137		49		139
13472		870074	8	<15	22		<1	34	352		26		137
13473		870075	15	<15	21		<1	36	282		28		144
13474		870076	9	<15	16		<1	36	377		29		145
13475		870077	14	<15	31		<1	29	281		21		113
13476	Dup	870077	12	<15	35		<1	29	287		20		116
13477		870078	14	<15	85		<1	43	546		56		143
13478	Rep	870078	14	<15	93		<1	46	521		54		144
13479		870079	<5	<15	<10		<1	4	4		1		5
13480		870080	22	<15	204		<1	48	809		66		160
13481		870081	27	<15	194		<1	46	717		62		116
13482		870082	16	<15	153		<1	59	820		88		113
13483		870083	66	45	837		2.64	67	4350		138		95
13484		870084	52	28	1402		2.06	70	5353		133		105
13485		870085	242	382	4902		1.05	83	2773		320		95
13486		870086	39	30	466		1.55	56	3459		102		222
13487		870087	49	39	465		1.85	74	3787		139		139
13488		870088	23	<15	355		1.12	122	3913		297		114

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Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040221
Reference: Batch #G-10-03A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13489	870089	27	19	235		1.03	81	2775		144		126
13490	870090	30	<15	273		1.37	47	2890		85		132

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Date Received: 01/28/2010
Date Completed: 02/05/2010

Job #: 201040219
Reference: Batch #G-10-03B
Sample #: 12 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
13425		870091	27	<15	284		1.51	46	2769		83		173
13426	Dup	870091	32	<15	302		1.31	44	2810		79		153
13427		870092	79	36	595		1.59	65	4100		115		206
13428		870093	67	57	1162		2.36	68	3841		137		115
13429		870094	81	42	1088		3.29	68	5374		154		104
13430		870095	66	19	457		1.55	90	6324		241		273
13431		870096	47	20	495		1.79	96	5377		271		295
13432		870097	58	17	820		2.45	71	5172		146		199
13433		870098	15	<15	59		2.63	86	9846		241		467
13434		870099	<5	<15	51		<1	17	703		15		171
13435		870100	18	<15	<10		<1	11	78		6		104
13436	Dup	870100	17	<15	<10		<1	17	74		6		107
13437		870101	<5	<15	<10		<1	<1	<1		<1		4
13438	Rep	870101	Insufficient Sample										
13439		870102	272	988	3523		2.97	67	6897		443		109

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040288
Reference: Batch #G-10-04-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18917		870103	11	<15	26		1.83	43	261		34		
18918	Dup	870103	11	26	22		1.73	41	242		32		
18919		870104	11	19	31		1.92	45	284		36		
18920		870105	13	<15	30		5.20	46	274		38		
18921		870106	12	18	25		2.30	49	284		40		
18922		870107	12	29	29		2.14	58	333		56		
18923		870108	12	<15	28		2.21	59	364		59		
18924		870109	10	<15	43		2.19	69	479		69		
18925		870110	21	20	112		2.55	66	1296		60		
18926		870111	17	<15	108		2.78	70	1517		73		
18927		870112	11	<15	67		2.43	65	594		62		
18928	Dup	870112	10	<15	62		2.60	66	635		65		
18929		870113	9	<15	45		2.26	53	393		46		
18930	Rep	870113	10	<15	51		2.50	56	377		48		
18931		870114	<5	<15	<10		1.92	1	<1		1		
18932		870115	13	20	71		2.33	57	824		52		
18933		870116	18	<15	191		2.99	77	1462		88		
18934		870117	11	<15	151		3.01	70	957		78		
18935		870118	16	<15	168		2.70	73	1141		83		
18936		870119	11	<15	67		2.50	63	543		59		
18937		870120	76	226	800		3.23	81	2798		313		
18938		870121	12	<15	58		2.35	57	454		51		
18939		870122	13	<15	79		2.51	57	577		51		
18940		870123	15	<15	65		2.42	51	543		41		

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040288
Reference: Batch #G-10-04-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18941	870124	26	26	182		4.88	59	3331		72		
18942	870125	27	66	2214		3.72	109	11471		276		

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALNiAR, ALAgAR, ALL1

Certified By:

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040289
Reference: Batch #G-10-04-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18943		870126	30	42	471		3.76	91	1427		133		
18944	Dup	870126	29	33	451		3.63	96	1462		138		
18945		870127	20	20	186		3.36	91	686		113		
18946		870128	14	<15	57		2.39	54	378		45		
18947		870129	14	24	76		2.52	70	356		73		
18948		870130	15	20	39		2.28	57	262		50		
18949		870131	14	<15	29		2.30	57	287		50		
18950		870132	12	<15	29		1.98	44	305		41		
18951		870133	11	30	27		1.31	39	258		36		
18952		870134	12	30	31		1.37	39	259		33		
18953		870135	<5	<15	<10		1.37	37	288		28		
18954	Dup	870135	15	<15	27		1.39	38	296		29		
18955		870136	16	45	48		1.47	53	285		55		
18956	Rep	870136	16	<15	46		1.49	53	286		54		
18957		870137	<5	<15	<10		1.10	<1	2		2		
18958		870138	23	<15	176		1.92	76	485		108		
18959		870139	25	30	322		1.83	82	1092		130		
18960		870140	59	54	866		3.33	82	5069		147		
18961		870141	54	38	688		2.94	85	3704		168		
18962		870142	50	55	536		2.84	87	4605		171		
18963		870143	301	1021	3497		4.27	66	7090		434		
18964		870144	25	<15	231		1.70	55	2120		89		
18965		870145	24	24	175		1.31	49	1506		66		
18966		870146	20	<15	121		1.31	42	1420		56		

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040289
Reference: Batch #G-10-04-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18967	870147	26	18	206		1.74	44	1660		62		

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALNiAR, ALAgAR, ALL1

Certified By:

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040287
Reference: Batch #G-10-04-C
Sample #: 13 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18901		870148	32	28	325		2.83	46	2787		62		
18902	Dup	870148	32	26	336		2.70	48	2623		64		
18903		870149	50	37	510		3.17	52	4283		91		
18904		870150	46	35	812		3.46	81	3702		128		
18905		870151	48	45	916		3.13	79	2001		119		
18906		870152	87	58	1380		5.15	93	7220		200		
18907		870153	82	50	1362		5.37	95	6485		198		
18908		870154	99	71	1381		6.35	111	8391		252		
18909		870155	102	92	1341		7.05	102	12763		260		
18910		870156	42	35	464		2.29	32	4893		73		
18911		870157	11	<15	131		2.24	23	1264		36		
18912	Dup	870157	13	<15	144		2.08	23	1246		35		
18913		870158	10	<15	81		<1	22	779		33		
18914	Rep	870158	11	22	83		<1	21	700		33		
18915		870159	<5	<15	<10		1.12	<1	3		1		
18916		870160	79	229	845		2.75	82	2696		317		

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALNiAR, ALAgAR, ALL1

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Fax#: (416) 861-1925

Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040292
Reference: Batch #G-10-05-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
19013		870161	61	23	513		4.01	77	3680		123		
19014	Dup	870161	41	25	542		4.43	73	3263		118		
19015		870162	20	<15	283		3.43	79	2018		115		
19016		870163	13	<15	118		2.27	59	861		69		
19017		870164	18	<15	98		1.81	59	785		68		
19018		870165	23	<15	216		1.92	63	1480		80		
19019		870166	23	<15	226		2.01	64	1778		85		
19020		870167	30	<15	432		2.67	90	2078		127		
19021		870168	30	19	441		2.34	60	2101		88		
19022		870169	16	23	263		<1	62	1318		<1		
19023		870170	22	<15	275		<1	76	1287		107		
19024	Dup	870170	20	<15	212		<1	78	1364		107		
19025		870171	17	<15	86		<1	66	304		77		
19026	Rep	870171	17	<15	71		<1	70	325		82		
19027		870172	<5	<15	<10		<1	1	1		2		
19028		870173	11	<15	60		1.07	72	435		86		
19029		870174	10	<15	33		<1	65	157		74		
19030		870175	9	<15	26		<1	54	199		52		
19031		870176	11	27	25		<1	52	291		44		
19032		870177	10	<15	28		<1	45	251		37		
19033		870178	249	984	3498		3.43	69	7080		440		
19034		870179	10	<15	29		<1	43	302		32		
19035		870180	8	<15	28		<1	50	251		45		
19036		870181	11	<15	100		<1	64	391		72		

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040292
Reference: Batch #G-10-05-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
19037	870182	18	<15	200		<1	66	958		85		
19038	870183	61	23	855		2.19	82	3590		127		

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALNiAR, ALAgAR, ALL1

Certified By:

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040293
Reference: Batch #G-10-05-B
Sample #: 21 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
19039		870184	70	48	756		3.05	93	5472		151		
19040	Dup	870184	60	33	914		3.72	87	5966		144		
19041		870185	77	46	802		1.85	80	6596		160		
19042		870186	41	21	550		<1	74	4724		128		
19043		870187	25	<15	193		<1	57	2166		73		
19044		870188	30	<15	124		<1	55	1370		68		
19045		870189	30	<15	153		<1	52	1483		66		
19046		870190	25	<15	190		<1	55	2572		77		
19047		870191	30	23	273		<1	52	3800		83		
19048		870192	36	<15	205		3.74	45	2545		60		
19049		870193	42	<15	269		2.48	41	3239		58		
19050	Dup	870193	32	<15	251		1.87	43	3043		60		
19051		870194	31	<15	189		1.25	48	2289		53		
19052	Rep	870194	25	<15	189		1.24	45	2159		48		
19053		870195	<5	<15	<10		1.48	<1	1		<1		
19054		870196	28	<15	153		1.86	43	1090		40		
19055		870197	22	<15	149		1.80	45	1210		50		
19056		870198	23	22	474		2.40	75	2663		113		
19057		870199	44	42	502		2.98	67	2297		101		
19058		870200	21	32	572		2.83	76	4557		132		
19059		870201	72	229	865		2.59	56	2735		303		
19060		870202	36	23	410		2.63	64	5037		117		
19061		870203	<5	<15	<10		<1	21	122		13		
19062		870204	10	<15	159		1.15	29	1804		50		

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040293
Reference: Batch #G-10-05-B
Sample #: 21 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALNiAR, ALL1, ALAgAR, ALL1

Certified By:

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Ph#: (416) 987-0710
Fax#: (416) 861-1925

Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040290
Reference: Batch #G-10-06-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18968		870205	20	<15	127		1.54	61	1469		74		
18969	Dup	870205	17	<15	129		1.58	61	1502		72		
18970		870206	16	<15	93		1.60	59	1179		72		
18971		870207	19	<15	301		1.86	73	2184		101		
18972		870208	16	<15	194		1.58	72	1093		103		
18973		870209	14	25	127		1.24	60	746		75		
18974		870210	15	<15	110		1.18	54	636		69		
18975		870211	19	<15	118		1.43	65	977		84		
18976		870212	25	<15	224		2.62	70	1589		93		
18977		870213	27	<15	267		2.36	92	1604		128		
18978		870214	22	<15	288		1.95	64	1405		78		
18979	Dup	870214	25	<15	305		2.26	53	1514		83		
18980		870215	19	30	212		3.12	75	843		103		
18981	Rep	870215	20	<15	250		2.11	77	935		106		
18982		870216	<5	<15	<10		1.01	<1	<1		<1		
18983		870217	13	<15	105		1.65	84	223		108		
18984		870218	25	<15	85		1.77	87	549		112		
18985		870219	13	<15	37		1.45	70	422		69		
18986		870220	14	<15	29		1.43	52	296		38		
18987		870221	10	<15	25		1.30	40	267		33		
18988		870222	268	1002	3653		4.55	69	6600		460		
18989		870223	10	26	28		1.44	44	275		30		
18990		870224	13	<15	24		1.31	41	260		31		
18991		870225	12	36	27		1.31	35	271		25		

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Fax#: (416) 861-1925

Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040290
Reference: Batch #G-10-06-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18992	870226	11	<15	22		1.16	32	252		21		
18993	870227	11	20	28		1.35	33	274		19		

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALNiAR, ALAgAR, ALL1

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040291
Reference: Batch #G-10-06-B
Sample #: 16 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
18994		870228	18	<15	31		1.50	35	325		21		
18995	Dup	870228	23	<15	32		1.35	31	288		19		
18996		870229	19	<15	50		1.86	50	293		48		
18997		870230	24	<15	150		1.87	53	611		61		
18998		870231	34	<15	276		2.23	72	1139		96		
18999		870232	64	38	927		4.21	98	5494		167		
19000		870233	70	66	1033		4.34	97	4508		167		
19001		870234	68	56	906		4.52	97	4491		193		
19002		870235	42	33	293		2.57	64	1847		94		
19003		870236	22	<15	204		2.29	56	1602		76		
19004		870237	77	58	1120		3.68	94	3831		156		
19005	Dup	870237	71	43	1114		3.70	91	3951		153		
19006		870238	66	47	908		4.27	91	5807		201		
19007	Rep	870238	66	51	944		4.50	91	5856		190		
19008		870239	<5	<15	<10		1.12	<1	2		<1		
19009		870240	80	62	1089		5.38	79	4963		204		
19010		870241	10	<15	22		6.46	58	14094		236		
19011		870242	85	51	1316		1.21	16	280		11		
19012		870243	68	256	830		2.67	79	2640		311		

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Date Received: 02/01/2010
Date Completed: 02/10/2010

Job #: 201040291
Reference: Batch #G-10-06-B
Sample #: 16 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALNiAR, ALAgAR, ALL1

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Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040461
Reference: Batch #G-10-11-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32142		870445	11	<15	<10		1.77	49	154		40		
32143	Dup	870445	6	<15	14		1.60	45	139		33		
32144		870446	9	<15	48		1.68	53	252		46		
32145		870447	11	<15	13		1.56	52	269		45		
32146		870448	8	<15	15		1.73	52	208		45		
32147		870449	15	<15	14		1.68	52	218		45		
32148		870450	12	<15	<10		1.47	47	186		40		
32149		870451	14	<15	21		1.51	49	220		42		
32150		870452	16	<15	25		1.65	50	258		43		
32151		870453	17	<15	18		1.44	49	239		41		
32152		870454	15	<15	20		1.64	46	248		37		
32153	Dup	870454	27	<15	28		1.60	48	267		39		
32154		870455	15	<15	18		1.56	45	226		38		
32155	Rep	870455	15	<15	22		1.75	49	233		41		
32156		870456	<5	<15	<10		1.38	<1	<1		1		
32157		870457	31	<15	26		1.93	48	275		38		
32158		870458	14	<15	24		1.89	54	285		44		
32159		870459	21	17	32		1.80	56	277		47		
32160		870460	<5	<15	<10		2.29	67	343		58		
32161		870461	<5	<15	43		2.10	73	395		69		
32162		870462	71	208	755		2.96	94	2866		320		
32163		870463	<5	<15	41		2.16	74	374		75		
32164		870464	<5	<15	54		1.98	63	642		59		
32165		870465	6	19	83		2.59	72	1459		72		

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Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040461
Reference: Batch #G-10-11-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32166	870466	5	<15	68		2.37	63	870		64		
32167	870467	<5	<15	50		1.90	60	707		58		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040462
Reference: Batch #G-10-11-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32168		870468	<5	24	80		2.42	69	618		70		
32169	Dup	870468	6	<15	83		2.14	70	574		65		
32170		870469	7	<15	85		2.49	70	937		72		
32171		870470	<5	<15	108		2.60	67	1123		72		
32172		870471	8	16	102		2.23	63	1113		63		
32173		870472	<5	<15	56		2.11	55	608		44		
32174		870473	<5	21	47		2.17	52	583		43		
32175		870474	10	<15	75		2.24	56	808		49		
32176		870475	<5	24	24		1.81	47	289		36		
32177		870476	70	<15	30		1.90	49	348		37		
32178		870477	<5	<15	29		2.08	57	463		48		
32179	Dup	870477	<5	26	32		2.19	59	489		50		
32180		870478	<5	26	85		2.37	66	860		59		
32181	Rep	870478	5	19	78		2.47	70	920		62		
32182		870479	<5	<15	<10		1.74	1	1		1		
32183		870480	<5	18	37		2.41	60	394		51		
32184		870481	<5	<15	45		2.32	60	464		53		
32185		870482	14	<15	50		2.24	50	449		38		
32186		870483	12	19	120		2.63	66	1166		71		
32187		870484	19	24	131		3.55	78	1759		109		
32188		870485	260	988	3519		5.85	75	7292		458		
32189		870486	22	<15	225		4.03	89	1972		116		
32190		870487	27	22	408		3.56	96	1186		132		
32191		870488	18	<15	181		3.43	89	1115		111		

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Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040462
Reference: Batch #G-10-11-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32192	870489	18	<15	128		3.61	113	1570		159		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR

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Date Received: 02/12/2010
Date Completed: 02/24/2010

Job #: 201040463
Reference: Batch #G-10-11-C
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32193		870490	10	<15	52		2.80	90	1031		119		
32194	Dup	870490	12	<15	51		2.96	96	1120		128		
32195		870491	12	<15	32		2.35	66	314		60		
32196		870492	11	<15	21		2.23	57	278		48		
32197		870493	8	<15	25		2.28	52	391		45		
32198		870494	10	<15	17		2.27	46	265		35		
32199		870495	8	<15	21		2.29	49	317		37		
32200		870496	11	<15	16		2.07	45	286		33		
32201		870497	6	<15	146		2.18	51	234		43		
32202		870498	<5	<15	22		3.64	126	1247		179		
32203		870499	37	54	600		3.65	112	2282		163		
32204	Dup	870499	42	43	606		3.60	110	2307		159		
32205		870500	47	49	712		4.67	124	4145		209		
32206	Rep	870500	43	31	710		5.36	123	4281		196		
32207		870501	<5	<15	<10		1.59	1	2		2		
32208		870502	36	40	481		4.21	80	3628		133		
32209		870503	29	<15	216		3.08	63	1926		84		
32210		870504	29	16	254		2.89	60	2243		78		
32211		870505	98	110	1515		9.05	140	6530		276		
32212		870506	69	83	1036		6.48	109	6557		200		
32213		870507	68	264	792		3.45	86	2651		326		
32214		870508	69	67	855		5.36	108	4873		191		
32215		870509	93	69	1287		6.77	112	7158		234		
32216		870510	104	99	1449		6.63	101	8862		240		

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Date Received: 02/12/2010
Date Completed: 02/24/2010

Job #: 201040463
Reference: Batch #G-10-11-C
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32217	870511	194	181	2364		10.44	132	12421		386		
32218	870512	141	89	1477		8.93	65	14787		190		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040464
Reference: Batch #G-10-11-D
Sample #: 9 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32219		870513	46	62	782		3.49	28	7468		86		
32220	Dup	870513	46	56	755		4.09	32	7440		99		
32221		870514	29	35	563		1.84	23	3719		68		
32222		870515	17	16	404		1.59	23	2656		44		
32223		870516	13	34	204		1.51	24	1686		30		
32224		870517	9	<15	<10		1.46	21	666		13		
32225		870518	14	<15	<10		1.56	22	762		13		
32226		870519	<5	<15	<10		1.27	22	70		13		
32227		870520	<5	<15	<10		1.60	1	<1		1		
32228		870521	302	1068	3472		5.96	83	6987		436		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Fax#: (416) 861-1925

Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040465
Reference: Batch #G-10-12-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32229		870522	6	<15	29		2.16	56	359		47		
32230	Dup	870522	10	<15	29		2.05	52	324		44		
32231		870523	6	<15	28		2.06	60	322		52		
32232		870524	15	<15	31		2.42	80	442		82		
32233		870525	10	<15	96		2.83	75	1600		79		
32234		870526	8	<15	115		2.76	74	1430		82		
32235		870527	9	<15	109		2.95	78	1478		83		
32236		870528	18	17	76		2.90	84	841		95		
32237		870529	13	<15	176		3.07	93	1497		114		
32238		870530	19	16	280		3.83	96	2147		123		
32239		870531	24	<15	299		4.08	77	3001		108		
32240	Dup	870531	36	21	298		3.21	74	2988		106		
32241		870532	15	35	182		2.93	80	1424		93		
32242	Rep	870532	20	39	143		3.17	82	1415		98		
32243		870533	<5	<15	<10		1.68	1	1		1		
32244		870534	27	70	307		3.64	85	2196		112		
32245		870535	31	44	457		3.56	95	1966		130		
32246		870536	36	35	373		3.70	80	2636		107		
32247		870537	65	46	196		3.05	102	920		135		
32248		870538	12	<15	91		2.60	92	877		125		
32249		870539	72	213	820		3.42	80	2705		314		
32250		870540	14	26	67		2.44	72	556		79		
32251		870541	9	23	62		2.31	62	831		50		
32252		870542	<5	<15	33		1.89	58	290		53		

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Ph#: (416) 987-0710
Fax#: (416) 861-1925

Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040465
Reference: Batch #G-10-12-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32253	870543	<5	<15	20		1.80	53	262		41		
32254	870544	<5	<15	17		1.85	58	257		48		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Fax#: (416) 861-1925

Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040466
Reference: Batch #G-10-12-B
Sample #: 15 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
32255		870545	11	<15	15		1.79	51	266		45		
32256	Dup	870545	10	<15	14		1.76	50	266		39		
32257		870546	9	21	14		1.84	48	305		38		
32258		870547	6	<15	13		2.63	54	385		41		
32259		870548	6	<15	14		1.89	43	263		27		
32260		870549	5	<15	12		2.02	42	263		28		
32261		870550	9	24	15		2.02	44	287		27		
32262		870551	31	22	548		3.03	76	1315		106		
32263		870552	90	74	1241		6.21	118	5829		184		
32264		870553	131	115	1974		7.44	116	9215		232		
32265		870554	90	35	1574		6.20	84	9317		183		
32266	Dup	870554	88	34	1625		6.48	87	9592		190		
32267		870555	42	21	768		2.95	38	8178		81		
32268	Rep	870555	42	<15	751		3.58	44	8076		96		
32269		870556	<5	<15	<10		1.64	1	4		1		
32270		870557	<5	<15	<10		1.26	23	99		15		
32271		870558	7	<15	<10		1.31	23	142		14		
32272		870559	272	1029	3577		6.15	71	7204		427		

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Date Received: 02/12/2010
Date Completed: 02/23/2010

Job #: 201040466
Reference: Batch #G-10-12-B
Sample #: 15 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Email#: dgood@marathonpgm.com

Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040578
Reference: Batch #G-10-13-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40161		870560	14	23	25		3.58	38	266		48		
40162	Dup	870560	15	<15	25		<1	37	274		32		
40163		870561	16	23	33		<1	30	257		22		
40164		870562	19	<15	21		1.41	28	282		32		
40165		870563	18	<15	29		<1	31	266		22		
40166		870564	17	<15	28		<1	29	336		20		
40167		870565	20	<15	38		<1	29	377		21		
40168		870566	15	<15	17		<1	28	272		17		
40169		870567	25	<15	24		<1	29	211		19		
40170		870568	27	<15	26		<1	39	287		36		
40171		870569	23	<15	23		1.30	33	247		24		
40172	Dup	870569	19	<15	22		<1	35	258		26		
40173		870570	20	<15	29		<1	37	256		27		
40174	Rep	870570	18	<15	24		<1	37	261		28		
40175		870571	<5	<15	<10		<1	<1	2		<1		
40176		870572	18	<15	23		<1	40	228		31		
40177		870573	59	<15	30		<1	43	282		39		
40178		870574	21	<15	41		<1	56	373		62		
40179		870575	21	<15	46		<1	40	564		34		
40180		870576	21	<15	62		<1	48	698		42		
40181		870577	71	239	803		1.17	83	2675		307		
40182		870578	21	<15	34		<1	37	437		29		
40183		870579	25	<15	32		<1	33	403		22		
40184		870580	18	<15	26		<1	37	263		26		

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040578
Reference: Batch #G-10-13-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40185	870581	22	<15	43		1.50	36	401		25		
40186	870582	27	<15	56		<1	36	430		27		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Jason Moore, General Manager

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040579
Reference: Batch #G-10-13-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40187		870583	51	<15	58		<1	34	624		29		
40188	Dup	870583	30	<15	61		<1	35	628		29		
40189		870584	26	<15	173		<1	52	1344		66		
40190		870585	16	<15	70		<1	50	650		62		
40191		870586	18	<15	177		<1	59	1445		81		
40192		870587	23	<15	276		2.63	63	2089		108		
40193		870588	20	<15	251		<1	66	1896		98		
40194		870589	22	<15	218		1.01	58	2561		94		
40195		870590	17	<15	162		14.46	63	895		84		
40196		870591	30	19	383		1.81	77	1608		115		
40197		870592	40	<15	153		<1	47	1494		62		
40198	Dup	870592	20	<15	149		<1	46	1484		63		
40199		870593	16	<15	167		<1	55	883		68		
40200	Dup	870593	21	<15	184		<1	56	892		70		
40201		870594	<5	<15	<10		<1	<1	3		<1		
40202		870595	18	<15	154		<1	78	571		114		
40203		870596	16	<15	150		<1	62	475		87		
40204		870597	16	<15	124		<1	59	731		81		
40205		870598	22	<15	102		<1	56	520		76		
40206		870599	16	<15	41		<1	48	455		55		
40207		870600	264	1051	3508		4.62	68	6843		450		
40208		870601	12	<15	16		<1	38	357		38		
40209		870602	13	<15	30		<1	43	223		35		
40210		870603	11	<15	29		<1	39	259		30		

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040579
Reference: Batch #G-10-13-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40211	870604	13	<15	25		<1	37	276		26		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Jason Moore, General Manager

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Date Received: 02/19/2010
Date Completed: 03/01/2010

Job #: 201040580
Reference: Batch #G-10-13-C
Sample #: 20 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40212		870605	11	<15	24		<1	34	236		24		
40213	Dup	870605	14	22	32		<1	34	236		26		
40214		870606	15	<15	23		1.65	37	262		27		
40215		870607	16	<15	29		<1	34	314		24		
40216		870608	15	<15	29		<1	30	334		18		
40217		870609	14	<15	23		<1	29	290		14		
40218		870610	13	54	65		2.38	31	283		26		
40219		870611	14	37	64		<1	31	247		17		
40220		870612	14	<15	36		<1	35	260		25		
40221		870613	46	43	496		<1	57	1256		86		
40222		870614	27	41	225		<1	44	1038		98		
40223	Dup	870614	25	51	251		<1	45	1039		96		
40224		870615	50	39	766		1.39	61	2507		113		
40225	Rep	870615	53	38	668		1.41	61	2401		116		
40226		870616	<5	<15	<10		<1	<1	<1		<1		
40227		870617	95	88	1575		3.35	100	7229		213		
40228		870618	115	117	1588		6.27	160	8326		396		
40229		870619	90	92	1326		4.15	81	4933		184		
40230		870620	53	169	961		6.09	60	6929		132		
40231		870621	25	29	206		1.18	20	2070		29		
40232		870622	93	218	857		1.44	83	2676		311		
40233		870623	35	27	313		1.26	17	2417		49		
40234		870624	17	26	260		1.05	15	1013		33		

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Date Received: 02/19/2010
Date Completed: 03/01/2010

Job #: 201040580
Reference: Batch #G-10-13-C
Sample #: 20 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040581
Reference: Batch #G-10-14-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40235		870625	18	16	24		<1	35	322		27		
40236	Dup	870625	16	<15	24		<1	36	325		28		
40237		870626	12	<15	29		1.99	36	259		29		
40238		870627	14	<15	27		<1	39	292		31		
40239		870628	12	17	38		<1	47	319		47		
40240		870629	15	18	74		<1	56	773		62		
40241		870630	18	<15	55		<1	56	589		62		
40242		870631	48	<15	129		<1	48	1485		54		
40243		870632	41	<15	579		1.36	60	2278		73		
40244		870633	26	16	151		<1	50	1211		58		
40245		870634	24	21	224		1.12	66	1854		96		
40246	Dup	870634	21	<15	224		<1	67	1904		99		
40247		870635	33	<15	355		1.56	68	2863		114		
40248	Rep	870635	34	17	358		1.33	72	2904		119		
40249		870636	<5	<15	<10		<1	<1	2		<1		
40250		870637	24	16	244		3.21	66	1711		97		
40251		870638	39	31	529		1.29	81	1905		135		
40252		870639	23	33	249		<1	59	1021		86		
40253		870640	23	<15	188		<1	86	597		131		
40254		870641	10	<15	66		<1	81	294		120		
40255		870642	254	1191	3417		3.00	68	6875		459		
40256		870643	12	<15	29		<1	47	350		60		
40257		870644	10	<15	32		2.27	42	207		40		
40258		870645	10	<15	32		<1	32	246		21		

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040581
Reference: Batch #G-10-14-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40259	870646	28	<15	29		<1	35	263		26		
40260	870647	17	22	28		<1	32	300		22		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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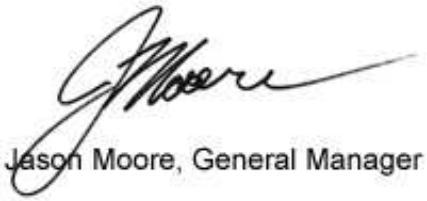

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040582
Reference: Batch #G-10-14-B
Sample #: 13 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40261		870648	719	<15	29		<1	33	278		18		
40262	Dup	870648	719	<15	35		<1	34	277		18		
40263		870649	22	<15	25		<1	32	278		14		
40264		870650	44	<15	48		<1	54	295		62		
40265		870651	93	98	1460		2.70	79	5494		160		
40266		870652	78	84	1317		1.28	89	1738		151		
40267		870653	59	78	966		1.10	95	1330		152		
40268		870654	87	91	1206		3.88	63	3383		118		
40269		870655	48	50	715		<1	57	1842		84		
40270		870656	28	20	201		<1	25	1978		38		
40271		870657	8	<15	<10		<1	12	82		7		
40272	Dup	870657	11	<15	<10		2.77	15	64		19		
40273		870658	7	<15	<10		1.02	14	59		8		
40274	Rep	870658	10	<15	<10		<1	14	63		6		
40275		870659	<5	<15	<10		<1	<1	<1		<1		
40276		870660	82	198	866		2.81	84	2723		321		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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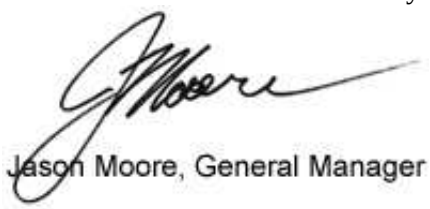

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040583
Reference: Batch #G-10-15-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40277		870661	12	18	22		<1	33	296		29		
40278	Dup	870661	12	<15	19		<1	32	243		24		
40279		870662	13	<15	19		<1	34	231		27		
40280		870663	10	<15	16		<1	34	280		29		
40281		870664	13	26	36		<1	49	341		49		
40282		870665	18	<15	76		<1	55	1077		65		
40283		870666	17	17	60		2.54	54	761		58		
40284		870667	12	20	99		<1	55	1314		60		
40285		870668	17	20	118		<1	55	1022		64		
40286		870669	18	17	167		<1	55	1150		66		
40287		870670	25	25	265		1.10	62	1974		85		
40288	Dup	870670	28	37	272		1.27	61	1973		84		
40289		870671	27	17	228		<1	59	1358		86		
40290	Rep	870671	30	<15	221		<1	60	1341		86		
40291		870672	<5	<15	<10		<1	<1	3		<1		
40292		870673	22	24	187		1.08	64	1488		91		
40293		870674	27	26	342		<1	43	1804		69		
40294		870675	31	21	375		2.96	59	1555		94		
40295		870676	21	21	178		<1	77	1298		129		
40296		870677	20	<15	175		<1	67	1344		103		
40297		870678	301	1097	3486		2.85	72	6569		435		
40298		870679	16	<15	93		<1	69	548		101		
40299		870680	13	18	43		<1	69	308		96		
40300		870681	16	<15	36		<1	43	276		42		

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Sunday, February 28, 2010

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Ph#: (416) 987-0710
Fax#: (416) 861-1925
Email#: dgood@marathonpgm.com

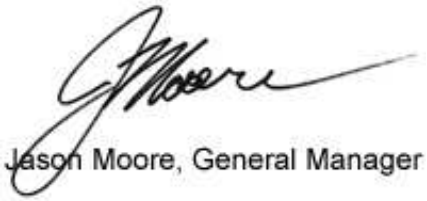
Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040583
Reference: Batch #G-10-15-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40301	870682	14	<15	24		<1	39	261		31		
40302	870683	14	<15	23		<1	35	302		26		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:



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Fax#: (416) 861-1925
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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040584
Reference: Batch #G-10-15-B
Sample #: 14 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
40303		870684	12	<15	28		1.76	35	281		23		
40304	Dup	870684	23	<15	26		<1	33	279		22		
40305		870685	14	<15	25		<1	28	260		18		
40306		870686	16	<15	22		<1	30	283		15		
40307		870687	13	<15	25		<1	31	306		14		
40308		870688	40	<15	475		<1	61	1035		93		
40309		870689	48	24	427		<1	63	1061		100		
40310		870690	125	131	1842		3.59	84	7114		180		
40311		870691	62	57	1081		1.51	92	2476		154		
40312		870692	73	64	877		2.15	62	3981		122		
40313		870693	52	<15	516		1.45	41	3470		71		
40314	Dup	870693	35	18	386		1.38	36	4033		62		
40315		870694	13	<15	<10		<1	14	93		6		
40316	Rep	870694	9	<15	<10		<1	14	55		7		
40317		870695	<5	<15	<10		<1	<1	1		<1		
40318		870696	11	<15	<10		1.00	14	41		6		
40319		870697	69	230	814		1.34	83	2639		294		

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Date Received: 02/19/2010
Date Completed: 02/28/2010

Job #: 201040584
Reference: Batch #G-10-15-B
Sample #: 14 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Jason Moore, General Manager

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Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040680
Reference: Batch #G-10-16-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47455		870698	13	25	28		2.08	34	244		27		
47456	Dup	870698	12	26	30		2.12	34	236		23		
47457		870699	12	<15	27		1.81	36	233		27		
47458		870700	10	27	30		2.12	38	290		31		
47459		870701	14	25	40		1.94	45	312		43		
47460		870702	10	28	42		1.92	49	310		46		
47461		870703	17	16	47		2.02	49	497		48		
47462		870704	17	28	36		2.11	43	500		35		
47463		870705	39	23	109		2.46	57	1237		53		
47464		870706	21	42	106		2.50	52	1164		55		
47465		870707	12	34	58		4.95	45	500		45		
47466	Dup	870707	16	31	72		4.94	49	513		46		
47467		870708	12	18	40		2.31	49	511		49		
47468	Rep	870708	10	38	40		2.32	50	409		51		
47469		870709	<5	<15	<10		1.85	<1	<1		<1		
47470		870710	15	39	135		2.62	48	1129		58		
47471		870711	18	40	136		2.86	48	1291		55		
47472		870712	14	45	111		2.05	45	946		48		
47473		870713	17	40	106		2.04	45	810		44		
47474		870714	11	34	63		2.28	39	435		35		
47475		870715	273	1048	3406		4.87	68	6648		450		
47476		870716	17	62	50		1.81	39	332		33		
47477		870717	14	<15	54		2.08	37	317		29		
47478		870718	10	<15	48		1.86	38	432		29		

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Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040680
Reference: Batch #G-10-16-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47479	870719	14	18	71		1.85	38	543		34		
47480	870720	19	<15	59		1.75	33	328		19		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040681
Reference: Batch #G-10-16-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47481		870721	12	22	93		1.78	37	315		31		
47482	Dup	870721	16	<15	107		1.81	38	314		31		
47483		870722	11	22	45		1.85	35	350		24		
47484		870723	18	23	144		2.25	47	1003		50		
47485		870724	24	<15	206		2.13	41	1446		46		
47486		870725	28	25	214		4.12	52	1489		72		
47487		870726	22	30	210		3.11	53	2153		75		
47488		870727	12	20	66		2.19	41	605		44		
47489		870728	32	35	361		2.32	63	1004		98		
47490		870729	10	22	80		2.74	42	714		49		
47491		870730	33	22	108		1.98	62	365		81		
47492	Dup	870730	16	36	119		1.96	59	358		81		
47493		870731	16	22	72		2.09	64	324		89		
47494	Rep	870731	15	<15	90		2.37	64	328		86		
47495		870732	<5	<15	<10		1.95	<1	<1		<1		
47496		870733	13	30	60		1.80	44	270		51		
47497		870734	18	17	39		1.57	41	209		43		
47498		870735	10	<15	40		1.87	45	425		45		
47499		870736	12	18	28		1.89	36	220		34		
47500		870737	11	<15	20		1.99	39	238		33		
47501		870738	68	219	864		2.83	83	2894		302		
47502		870739	12	<15	27		1.95	36	229		28		
47503		870740	16	17	33		1.89	34	264		27		
47504		870741	11	16	23		2.01	30	260		20		

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Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040681
Reference: Batch #G-10-16-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47505	870742	12	<15	25		2.26	35	243		20		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALPbAR, ALL1

Certified By:

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Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040682
Reference: Batch #G-10-16-C
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47506		870743	12	<15	46		1.86	41	269		39		
47507	Dup	870743	32	<15	45		2.02	44	265		39		
47508		870744	11	<15	48		1.91	51	228		63		
47509		870745	31	26	347		3.64	56	2208		93		
47510		870746	53	24	566		2.45	71	1819		129		
47511		870747	62	51	1061		5.48	77	7534		164		
47512		870748	58	43	1202		5.25	78	7335		166		
47513		870749	45	<15	743		4.43	80	5832		178		
47514		870750	42	40	452		3.56	56	4038		116		
47515		870751	17	<15	179		2.44	43	1475		55		
47516		870752	6	<15	17		1.82	33	179		12		
47517	Dup	870752	6	<15	23		1.88	32	184		12		
47518		870753	7	<15	36		1.84	36	378		11		
47519	Rep	870753	7	<15	25		1.91	36	327		11		
47520		870754	<5	<15	<10		2.19	<1	<1		<1		
47521		870755	19	20	219		2.48	53	1280		69		
47522		870756	46	33	742		3.36	70	2546		125		
47523		870757	99	83	1256		4.83	82	5893		196		
47524		870758	83	88	1359		5.27	87	7633		228		
47525		870759	43	39	624		4.08	62	5191		127		
47526		870760	248	1068	3484		5.17	68	6767		445		
47527		870761	102	59	1242		5.50	88	6411		194		
47528		870762	53	53	910		4.83	86	5477		200		
47529		870763	38	47	582		4.75	68	3872		131		

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Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040682
Reference: Batch #G-10-16-C
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47530	870764	34	46	498		3.96	59	4432		127		
47531	870765	67	73	941		4.41	77	6130		178		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040683
Reference: Batch #G-10-16-D
Sample #: 14 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47532		870766	87	74	2262		7.77	93	10329		287		
47533	Dup	870766	46	84	2290		6.86	93	10281		280		
47534		870767	112	106	1188		3.56	76	4249		157		
47535		870768	59	42	695		4.21	64	5266		141		
47536		870769	40	82	639		3.43	59	3347		108		
47537		870770	48	76	366		4.31	65	3841		135		
47538		870771	59	36	688		3.73	65	3956		131		
47539		870772	104	77	1559		5.42	89	6567		217		
47540		870773	46	39	594		4.24	66	4080		132		
47541		870774	288	157	2594		8.04	97	10536		296		
47542		870775	78	71	1417		4.58	87	6047		222		
47543	Dup	870775	82	58	1333		4.71	87	6324		224		
47544		870776	55	35	804		4.06	45	5115		118		
47545	Rep	870776	58	38	799		3.86	44	5160		120		
47546		870777	<5	<15	<10		2.09	<1	2		<1		
47547		870778	19	<15	199		2.34	13	1487		9		
47548		870779	76	265	865		3.32	73	2732		298		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040684
Reference: Batch #G-10-17-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47549		870780	22	21	24		2.01	45	278		38		
47550	Dup	870780	21	28	25		2.10	44	281		37		
47551		870781	12	21	33		2.01	52	265		52		
47552		870782	13	27	44		2.01	53	454		54		
47553		870783	10	18	30		1.89	47	326		34		
47554		870784	11	28	41		2.21	38	474		24		
47555		870785	11	26	44		2.30	37	489		23		
47556		870786	15	16	71		2.10	55	810		51		
47557		870787	15	31	94		2.38	52	1114		54		
47558		870788	16	<15	73		2.04	49	704		48		
47559		870789	20	<15	89		2.66	48	673		44		
47560	Dup	870789	15	26	107		2.04	49	664		45		
47561		870790	13	20	84		2.21	52	721		57		
47562	Rep	870790	16	22	78		2.18	53	734		57		
47563		870791	<5	<15	<10		2.13	<1	<1		<1		
47564		870792	20	28	219		3.57	55	2280		63		
47565		870793	25	21	147		2.61	48	1500		55		
47566		870794	69	27	82		3.04	46	754		48		
47567		870795	20	17	65		2.18	42	603		41		
47568		870796	11	<15	34		2.25	43	385		40		
47569		870797	257	1020	3505		5.00	68	6782		458		
47570		870798	18	<15	43		2.14	40	419		34		
47571		870799	11	16	64		2.20	41	414		32		
47572		870800	12	23	53		1.99	38	527		26		

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Fax#: (416) 861-1925
Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040684
Reference: Batch #G-10-17-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47573	870801	10	<15	42		2.04	36	394		18		
47574	870802	11	<15	35		1.98	37	444		22		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040685
Reference: Batch #G-10-17-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47575		870803	17	<15	59		2.16	38	374		25		
47576	Dup	870803	16	<15	61		2.09	37	368		25		
47577		870804	14	<15	49		2.00	34	410		20		
47578		870805	12	<15	73		2.30	42	650		32		
47579		870806	16	<15	174		3.06	54	1196		64		
47580		870807	29	31	279		3.48	54	3392		80		
47581		870808	40	36	325		5.08	59	3376		83		
47582		870809	10	30	53		2.29	54	956		61		
47583		870810	15	28	75		2.21	50	370		53		
47584		870811	26	62	277		2.79	74	626		111		
47585		870812	21	32	185		2.40	58	682		71		
47586	Dup	870812	20	59	185		2.14	61	707		70		
47587		870813	25	27	114		2.30	54	465		66		
47588	Rep	870813	17	23	108		2.20	58	492		70		
47589		870814	<5	<15	<10		2.22	<1	1		4		
47590		870815	14	27	126		2.22	62	310		77		
47591		870816	15	30	135		2.24	59	334		76		
47592		870817	11	39	35		2.36	53	211		64		
47593		870818	12	<15	32		2.12	50	199		55		
47594		870819	20	26	45		2.26	51	189		61		
47595		870820	80	218	811		3.31	84	2618		303		
47596		870821	15	<15	25		1.99	45	299		38		
47597		870822	9	<15	21		2.19	46	307		37		
47598		870823	10	<15	25		1.91	40	265		31		

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Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040685
Reference: Batch #G-10-17-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47599	870824	13	18	28		1.81	37	257		28		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040686
Reference: Batch #G-10-17-C
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47600		870825	12	26	32		1.97	33	327		20		
47601	Dup	870825	8	26	24		1.88	33	332		20		
47602		870826	13	30	24		1.86	33	284		15		
47603		870827	43	20	<10		1.70	34	21		2		
47604		870828	<5	<15	<10		1.71	35	27		3		
47605		870829	8	21	16		1.76	34	201		18		
47606		870830	7	15	18		1.94	34	203		17		
47607		870831	10	<15	34		1.77	50	238		45		
47608		870832	23	<15	51		1.93	50	279		54		
47609		870833	<5	27	145		2.23	61	607		85		
47610		870834	105	76	669		5.95	78	2599		140		
47611	Dup	870834	107	61	697		6.04	76	2687		140		
47612		870835	58	65	843		4.51	75	5449		155		
47613	Rep	870835	53	43	755		4.37	75	5544		157		
47614		870836	<5	<15	<10		2.05	<1	2		<1		
47615		870837	36	32	701		4.23	76	5990		165		
47616		870838	33	17	272		3.07	59	2645		98		
47617		870839	10	<15	251		3.38	56	2600		94		
47618		870840	18	15	166		2.46	48	1352		63		
47619		870841	16	<15	149		2.68	64	1856		91		
47620		870842	243	916	3457		5.58	68	6720		427		
47621		870843	16	<15	100		2.36	47	933		53		
47622		870844	20	<15	167		2.86	45	1694		60		
47623		870845	24	<15	271		3.29	48	2237		75		

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Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040686
Reference: Batch #G-10-17-C
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47624	870846	15	<15	505		3.26	67	2506		116		
47625	870847	27	85	1825		6.05	83	8023		206		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040370
Reference: Batch# G-10-07-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24875		870244	8	31	45		<1	31	260		25		
24876	Dup	870244	8	24	43		<1	31	263		23		
24877		870245	<5	28	57		<1	33	290		26		
24878		870246	7	29	57		<1	35	335		29		
24879		870247	<5	<15	46		<1	33	288		22		
24880		870248	12	26	54		<1	60	570		45		
24881		870249	10	25	44		<1	33	295		24		
24882		870250	7	36	49		<1	36	298		26		
24883		870251	14	<15	54		<1	35	257		28		
24884		870252	<5	29	45		<1	39	246		33		
24885		870253	9	<15	59		<1	53	410		56		
24886	Dup	870253	<5	<15	67		<1	54	427		58		
24887		870254	9	<15	112		<1	58	1256		65		
24888	Rep	870254	9	15	125		<1	53	1155		56		
24889		870255	<5	<15	<10		<1	<1	2		<1		
24890		870256	15	<15	99		<1	65	1042		77		
24891		870257	13	<15	64		<1	53	775		61		
24892		870258	28	<15	302		<1	71	2629		107		
24893		870259	19	<15	230		<1	76	1646		142		
24894		870260	16	<15	136		<1	73	1648		129		
24895		870261	278	1046	3469		2.70	68	7171		442		
24896		870262	19	28	225		<1	49	1807		66		
24897		870263	17	18	42		<1	45	1810		61		
24898		870264	27	23	196		<1	59	1735		84		

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040370
Reference: Batch# G-10-07-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24899	870265	26	44	322		<1	70	1730		106		
24900	870266	17	42	289		<1	78	1283		119		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 02/05/2010
Date Completed: 02/18/2010

Job #: 201040371
Reference: Batch# G-10-07-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24901		870267	12	23	119		<1	67	256		89		
24902	Dup	870267	12	21	106		<1	65	232		86		
24903		870268	9	32	60		<1	80	208		106		
24904		870269	7	38	114		<1	56	570		72		
24905		870270	109	31	44		<1	34	428		27		
24906		870271	9	24	30		<1	39	230		30		
24907		870272	6	26	20		<1	42	226		34		
24908		870273	8	33	27		<1	34	274		26		
24909		870274	8	41	30		<1	33	246		22		
24910		870275	12	33	27		<1	34	264		21		
24911		870276	7	20	29		<1	31	261		16		
24912	Dup	870276	6	26	27		<1	32	266		17		
24913		870277	8	<15	32		<1	33	268		19		
24914	Rep	870277	8	<15	27		<1	35	274		20		
24915		870278	<5	<15	<10		<1	<1	<1		<1		
24916		870279	24	54	310		<1	66	580		86		
24917		870280	40	73	656		1.04	74	2727		123		
24918		870281	57	82	1015		2.31	92	5899		163		
24919		870282	47	67	623		1.33	65	4645		126		
24920		870283	40	59	570		1.67	54	4075		100		
24921		870284	67	239	863		1.43	79	3004		320		
24922		870285	73	89	879		1.98	61	4908		120		
24923		870286	26	<15	317		<1	46	2712		68		
24924		870287	45	36	511		1.28	46	6162		114		

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Fax#: (416) 861-1925

Date Received: 02/05/2010
Date Completed: 02/18/2010

Job #: 201040371
Reference: Batch# G-10-07-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24925	870288	51	<15	685		1.27	37	5139		91		

PROCEDURE CODES: ALPG1, ALAgAR, ALCuAR, ALCoAR, ALNiAR, ALL1

Certified By:

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040372
Reference: Batch# G-10-07-C
Sample #: 5 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24926		870289	34	20	335		1.22	18	2204		24		
24927	Dup	870289	34	22	335		<1	20	2381		26		
24928		870290	12	<15	97		<1	14	528		6		
24929		870291	15	<15	64		<1	14	422		4		
24930		870292	<5	<15	<10		<1	<1	1		<1		
24931		870293	295	1008	3723		2.62	68	6542		450		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040373
Reference: Batch# G-10-08-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24932		870294	14	<15	28		<1	46	315		39		
24933	Dup	870294	11	<15	33		<1	43	296		39		
24934		870295	17	24	26		<1	42	332		33		
24935		870296	11	47	27		<1	36	288		27		
24936		870297	11	<15	38		<1	60	399		66		
24937		870298	17	17	85		<1	58	1368		60		
24938		870299	14	22	100		<1	59	1217		61		
24939		870300	19	<15	125		<1	60	1239		64		
24940		870301	13	32	157		<1	66	1538		87		
24941		870302	30	<15	283		<1	66	2052		88		
24942		870303	22	<15	196		<1	64	1542		83		
24943	Dup	870303	15	<15	218		<1	60	1450		78		
24944		870304	17	<15	135		<1	54	1308		73		
24945	Rep	870304	16	<15	122		<1	52	1285		71		
24946		870305	<5	<15	<10		<1	<1	2		<1		
24947		870306	14	<15	187		<1	51	1332		61		
24948		870307	25	<15	220		<1	50	1646		66		
24949		870308	21	<15	252		<1	62	1624		86		
24950		870309	21	30	330		<1	87	1466		121		
24951		870310	37	24	301		1.25	58	2226		73		
24952		870311	65	238	909		<1	84	2801		315		
24953		870312	37	17	123		<1	68	516		83		
24954		870313	20	<15	124		<1	82	743		123		
24955		870314	9	27	50		<1	50	426		61		

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040373
Reference: Batch# G-10-08-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24956	870315	8	18	23		<1	37	240		27		
24957	870316	9	<15	18		<1	33	190		19		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040374
Reference: Batch# G-10-08-B
Sample #: 19 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24958		870317	<5	<15	<10		<1	29	14		2		
24959	Dup	870317	<5	<15	<10		<1	29	15		<1		
24960		870318	<5	<15	<10		<1	28	13		2		
24961		870319	<5	<15	<10		<1	32	13		2		
24962		870320	<5	<15	<10		<1	30	53		4		
24963		870321	5	<15	29		<1	33	248		17		
24964		870322	8	<15	23		<1	31	229		16		
24965		870323	14	<15	27		<1	36	296		14		
24966		870324	79	57	1186		1.41	80	2951		142		
24967		870325	103	92	1387		3.15	67	7661		157		
24968		870326	133	140	1842		2.83	70	8121		170		
24969	Dup	870326	116	106	1818		3.15	72	7963		178		
24970		870327	83	77	1265		2.49	61	8090		161		
24971	Rep	870327	75	73	1264		2.29	65	8013		165		
24972		870328	<5	<15	<10		<1	<1	2		<1		
24973		870329	86	60	1133		4.28	58	8514		155		
24974		870330	48	<15	632		<1	32	6439		85		
24975		870331	19	16	216		<1	19	1627		35		
24976		870332	14	137	<10		<1	13	89		4		
24977		870333	9	<15	<10		<1	15	133		3		
24978		870334	274	963	3512		2.48	68	6747		435		
24979		870335	<5	<15	<10		<1	12	95		3		

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Fax#: (416) 861-1925

Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040374
Reference: Batch# G-10-08-B
Sample #: 19 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040375
Reference: Batch# G-10-09-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
24980		870336	6	15	25		<1	30	267		24		
24981	Dup	870336	10	25	28		<1	35	298		25		
24982		870337	6	26	32		<1	38	297		34		
24983		870338	9	<15	54		<1	52	581		58		
24984		870339	17	26	108		<1	47	1441		48		
24985		870340	14	30	175		<1	58	1614		69		
24986		870341	11	31	156		<1	56	1406		62		
24987		870342	9	16	43		<1	42	712		48		
24988		870343	6	<15	40		<1	38	951		43		
24989		870344	21	<15	149		<1	49	1423		66		
24990		870345	24	<15	163		<1	49	1139		64		
24991	Dup	870345	16	<15	145		<1	46	1103		60		
24992		870346	17	<15	88		<1	47	833		54		
24993	Rep	870346	17	<15	103		<1	47	851		55		
24994		870347	<5	<15	<10		<1	<1	1		<1		
24995		870348	16	<15	77		<1	45	712		49		
24996		870349	18	<15	136		<1	56	1447		74		
24997		870350	22	<15	209		<1	50	1070		64		
24998		870351	30	<15	331		<1	68	2796		105		
24999		870352	35	<15	403		<1	51	2081		74		
25000		870353	64	292	886		1.04	83	3068		301		
25001		870354	17	<15	187		<1	58	356		79		
25002		870355	24	<15	124		<1	56	766		75		
25003		870356	13	<15	43		<1	59	179		79		

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040375
Reference: Batch# G-10-09-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25004	870357	15	<15	39		<1	41	197		36		
25005	870358	13	<15	18		<1	37	279		32		

PROCEDURE CODES: ALPG1, ALCoAR, ALCuAR, ALAgAR, ALNiAR, ALL1

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Fax#: (416) 861-1925

Date Received: 02/05/2010
Date Completed: 02/17/2010

Job #: 201040376
Reference: Batch# G-10-09-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25006		870359	13	<15	19		<1	35	248		26		
25007	Dup	870359	24	<15	23		<1	35	253		27		
25008		870360	7	<15	21		<1	34	280		24		
25009		870361	9	<15	25		<1	32	278		20		
25010		870362	8	<15	25		<1	32	247		19		
25011		870363	8	16	36		<1	39	252		36		
25012		870364	8	16	105		<1	48	343		51		
25013		870365	16	19	233		<1	64	695		86		
25014		870366	83	54	725		416.25	79	5130		352		
25015		870367	60	47	725		2.84	64	4908		118		
25016		870368	45	51	556		1.81	89	3845		153		
25017	Dup	870368	45	42	535		1.78	85	3705		144		
25018		870369	38	<15	458		1.17	61	3291		107		
25019	Rep	870369	36	53	450		1.02	62	2774		104		
25020		870370	<5	<15	<10		<1	<1	<1		<1		
25021		870371	22	39	125		<1	36	797		37		
25022		870372	18	40	133		<1	38	899		44		
25023		870373	50	85	666		1.03	59	2690		105		
25024		870374	72	89	1010		2.33	76	6133		158		
25025		870375	87	108	966		2.34	84	5972		190		
25026		870376	298	1123	3811		2.75	68	6482		428		
25027		870377	109	75	973		3.12	60	8824		180		
25028		870378	82	90	1102		3.28	60	8645		189		
25029		870379	169	53	907		2.49	34	7328		111		

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Date Received: 02/05/2010
Date Completed: 02/17/2010

Job #: 201040376
Reference: Batch# G-10-09-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25030	870380	13	51	137		<1	15	1414		20		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/05/2010
Date Completed: 02/16/2010

Job #: 201040377
Reference: Batch# G-10-09-C
Sample #: 5 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25031		870381	14	<15	60		<1	11	446		7		
25032	Dup	870381	12	17	55		<1	12	476		8		
25033		870382	<5	20	<10		<1	11	41		2		
25034		870383	6	17	<10		<1	10	48		3		
25035		870384	<5	<15	<10		<1	<1	<1		<1		
25036		870385	65	224	825		<1	83	2651		299		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 02/08/2010
Date Completed: 02/18/2010

Job #: 201040387
Reference: Batch# G-10-10-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25793		870386	16	24	29		1.77	50	260		40		
25794	Dup	870386	16	21	25		1.66	52	271		41		
25795		870387	9	45	23		1.73	53	222		40		
25796		870388	14	37	28		1.44	49	281		37		
25797		870389	13	29	25		1.60	49	387		38		
25798		870390	10	20	28		1.35	53	242		42		
25799		870391	14	<15	27		1.45	52	250		44		
25800		870392	11	28	24		1.53	53	241		44		
25801		870393	12	37	27		1.67	54	285		46		
25802		870394	16	<15	16		1.49	60	292		50		
25803		870395	17	<15	33		1.87	69	324		71		
25804	Dup	870395	14	<15	36		1.94	70	314		71		
25805		870396	22	24	120		2.32	74	1251		74		
25806	Rep	870396	14	22	123		2.18	77	1241		77		
25807		870397	<5	<15	<10		1.32	1	1		2		
25808		870398	18	26	114		1.23	76	1138		74		
25809		870399	21	24	151		2.42	99	1678		96		
25810		870400	10	<15	89		1.96	91	870		87		
25811		870401	17	<15	46		1.58	60	412		60		
25812		870402	13	<15	72		2.54	63	962		74		
25813		870403	272	1008	3472		5.30	69	6562		439		
25814		870404	16	27	113		2.25	56	1501		66		
25815		870405	22	38	136		2.48	61	1786		69		
25816		870406	18	<15	82		2.33	58	714		65		

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Date Received: 02/08/2010
Date Completed: 02/18/2010

Job #: 201040387
Reference: Batch# G-10-10-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25817	870407	17	17	76		2.26	53	421		53		
25818	870408	11	17	58		2.20	56	430		57		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Fax#: (416) 861-1925

Date Received: 02/08/2010
Date Completed: 02/17/2010

Job #: 201040388
Reference: Batch# G-10-10-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25819		870409	12	<15	50		2.18	57	364		54		
25820	Dup	870409	13	<15	52		1.98	57	369		54		
25821		870410	11	<15	78		2.04	62	520		64		
25822		870411	29	<15	146		2.69	68	1138		79		
25823		870412	34	<15	366		3.25	89	2113		114		
25824		870413	55	51	507		4.14	73	2785		95		
25825		870414	33	19	341		5.86	74	2746		97		
25826		870415	34	46	211		2.56	79	690		78		
25827		870416	30	<15	162		2.50	88	666		97		
25828		870417	10	<15	64		2.44	109	421		128		
25829		870418	45	<15	44		1.97	93	164		106		
25830	Dup	870418	15	<15	40		2.02	94	170		104		
25831		870419	22	<15	87		1.94	79	198		90		
25832	Rep	870419	10	<15	63		2.05	80	210		91		
25833		870420	<5	<15	<10		1.22	1	<1		1		
25834		870421	12	<15	19		1.77	55	250		48		
25835		870422	8	23	20		1.80	57	236		50		
25836		870423	16	<15	24		1.88	59	282		56		
25837		870424	14	<15	21		1.77	55	257		46		
25838		870425	20	<15	21		1.75	52	275		42		
25839		870426	75	259	814		3.37	86	2668		327		
25840		870427	12	<15	18		1.56	48	279		41		
25841		870428	17	<15	18		1.54	49	261		39		
25842		870429	16	18	22		1.72	55	279		39		

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Date Received: 02/08/2010
Date Completed: 02/17/2010

Job #: 201040388
Reference: Batch# G-10-10-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25843	870430	43	54	530		2.64	80	538		97		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Date Received: 02/08/2010
Date Completed: 02/18/2010

Job #: 201040389
Reference: Batch# G-10-10-C
Sample #: 14 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
25844		870431	99	92	1304		4.98	122	4728		196		
25845	Dup	870431	87	87	1331		5.03	121	4490		197		
25846		870432	109	106	1549		6.37	124	6034		216		
25847		870433	191	141	2182		8.26	127	10289		303		
25848		870434	114	156	1799		14.66	99	9186		245		
25849		870435	83	130	720		3.24	82	6041		138		
25850		870436	74	131	743		3.83	84	5602		151		
25851		870437	39	95	594		2.19	64	3144		97		
25852		870438	23	69	244		1.35	32	1259		35		
25853		870439	51	89	431		2.10	32	1882		47		
25854		870440	29	<15	49		1.17	28	420		37		
25855	Dup	870440	12	17	48		1.12	28	408		37		
25856		870441	16	<15	89		1.06	28	450		21		
25857	Rep	870441	12	<15	81		1.00	26	428		19		
25858		870442	<5	<15	<10		1.05	1	1		2		
25859		870443	8	<15	<10		1.54	23	230		13		
25860		870444	292	1040	3474		5.88	78	7162		431		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Fax#: (416) 861-1925
Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040690
Reference: Batch#G-10-17-D
Sample #: 18 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
47972		870848	55	52	756		4.28	80	4621		167		
47973	Dup	870848	56	57	715		4.37	82	4776		172		
47974		870849	71	71	1023		4.81	87	5711		185		
47975		870850	65	65	981		4.46	81	5163		180		
47976		870851	63	66	1200		5.13	90	7459		211		
47977		870852	78	81	1206		5.47	89	6285		214		
47978		870853	83	74	1262		5.51	84	6738		217		
47979		870854	106	89	1814		7.29	91	11043		281		
47980		870855	78	73	1190		4.68	93	5979		216		
47981		870856	52	79	704		4.99	63	4332		143		
47982		870857	45	81	668		4.93	64	4825		137		
47983	Dup	870857	51	76	702		4.26	68	5021		143		
47984		870858	75	119	1447		6.83	99	10064		286		
47985	Rep	870858	75	113	1421		6.85	95	10299		273		
47986		870859	<5	<15	<10		2.00	<1	1		<1		
47987		870860	150	151	2204		6.44	102	8774		278		
47988		870861	127	98	1535		5.06	82	6787		206		
47989		870862	64	69	821		3.90	69	4536		148		
47990		870863	42	40	553		3.97	47	4018		95		
47991		870864	27	35	271		3.29	11	1555		12		
47992		870865	62	217	797		3.36	84	2621		312		

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Fax#: (416) 861-1925
Email#: dgood@marathonpgm.com

Date Received: 02/26/2010
Date Completed: 03/11/2010

Job #: 201040690
Reference: Batch#G-10-17-D
Sample #: 18 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Fax#: (416) 861-1925
Email#: dgood@marathonpgm.com

Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040776
Reference: Batch#G-10-18-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54287		870866	15	<15	30		<1	50	302		53		
54291	Dup	870866	8	<15	27		<1	49	294		51		
54292		870867	9	<15	51		<1	62	437		79		
54293		870868	20	<15	134		<1	67	1551		82		
54294		870869	11	<15	53		<1	52	879		59		
54295		870870	42	<15	55		<1	50	570		51		
54296		870871	25	<15	66		<1	45	760		48		
54297		870872	13	<15	60		<1	50	611		57		
54298		870873	12	<15	107		<1	43	895		57		
54299		870874	20	<15	137		<1	54	1067		71		
54300		870875	15	16	114		<1	53	882		65		
54301	Dup	870875	13	17	111		1.73	52	874		64		
54302		870876	12	16	75		<1	49	733		57		
54303	Rep	870876	14	<15	66		<1	46	738		53		
54304		870877	<5	<15	<10		<1	<1	1		<1		
54305		870878	13	<15	48		<1	43	415		41		
54306		870879	13	<15	70		<1	41	563		38		
54307		870880	13	<15	159		<1	54	478		60		
54308		870881	13	24	97		<1	43	477		38		
54309		870882	13	<15	56		<1	33	529		26		
54310		870883	225	1018	3439		3.83	68	6535		449		
54311		870884	13	18	56		<1	39	407		29		
54312		870885	18	18	195		<1	58	1037		71		
54313		870886	8	19	64		<1	43	485		38		

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040776
Reference: Batch#G-10-18-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54314	870887	15	29	133		<1	45	1049		47		
54315	870888	22	32	241		<1	54	810		61		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Email#: dgood@marathonpgm.com

Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040777
Reference: Batch#G-10-18-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54316		870889	19	21	215		<1	58	644		59		
54317	Dup	870889	23	24	209		<1	56	627		55		
54318		870890	18	<15	78		<1	41	410		32		
54319		870891	34	22	347		1.12	62	1504		102		
54320		870892	26	19	259		<1	68	1056		103		
54321		870893	15	<15	44		<1	53	213		82		
54322		870894	21	<15	68		<1	54	326		84		
54323		870895	22	<15	62		<1	57	227		82		
54324		870896	21	<15	46		<1	49	246		57		
54325		870897	14	<15	43		<1	41	238		44		
54326		870898	15	<15	25		<1	47	250		44		
54327	Dup	870898	14	<15	23		<1	47	248		45		
54328		870899	16	<15	23		<1	45	281		35		
54329	Rep	870899	13	<15	26		<1	47	261		36		
54330		870900	<5	<15	<10		<1	<1	<1		<1		
54331		870901	14	<15	30		<1	36	263		25		
54332		870902	11	<15	36		<1	38	246		31		
54333		870903	12	<15	70		<1	54	268		71		
54334		870904	17	18	187		<1	61	490		88		
54335		870905	23	30	332		<1	66	1852		122		
54336		870906	92	203	793		1.60	84	2814		313		
54337		870907	22	19	237		1.14	55	1694		82		
54338		870908	54	45	786		2.73	83	5958		191		
54339		870909	28	28	348		1.99	60	3839		121		

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040777
Reference: Batch#G-10-18-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54340	870910	35	21	320		1.38	64	3199		135		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

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Email#: dgood@marathonpgm.com

Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040778
Reference: Batch#G-10-18-C
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54288		870911	35	33	359		1.78	60	3411		121		
54341	Dup	870911	28	17	337		1.50	59	3657		118		
54342		870912	66	<15	243		1.08	53	1340		83		
54343		870913	23	17	193		1.37	42	1378		57		
54344		870914	27	19	300		<1	48	1778		73		
54345		870915	14	23	123		<1	52	618		65		
54346		870916	14	17	104		<1	53	604		71		
54347		870917	12	<15	70		<1	41	673		43		
54348		870918	26	<15	70		<1	37	547		36		
54349		870919	19	<15	129		<1	52	793		73		
54350		870920	14	<15	75		<1	38	707		32		
54351	Dup	870920	15	<15	72		<1	38	711		33		
54352		870921	15	<15	100		<1	41	763		44		
54353	Rep	870921	15	19	96		<1	40	742		42		
54354		870922	<5	<15	<10		<1	1	1		<1		
54355		870923	24	37	389		<1	57	1903		99		
54356		870924	49	68	913		<1	82	1195		159		
54357		870925	59	50	799		1.79	69	3069		146		
54358		870926	96	89	1338		3.21	78	5868		206		
54359		870927	36	37	488		1.29	59	1856		107		
54360		870928	248	932	3275		3.35	72	6746		465		
54361		870929	61	49	848		1.64	78	3019		170		
54362		870930	59	68	969		1.76	72	3382		168		
54363		870931	83	89	1235		2.32	80	4368		197		

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040778
Reference: Batch#G-10-18-C
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54364	870932	74	72	1161		2.67	91	5419		224		
54365	870933	104	90	1533		4.42	81	8784		255		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040779
Reference: Batch#G-10-18-D
Sample #: 8 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54366		870934	91	70	1240		4.85	79	8303		238		
54367	Dup	870934	93	73	1253		4.59	80	7668		242		
54368		870935	73	78	1200		2.72	82	4031		211		
54369		870936	42	43	623		1.88	62	4072		141		
54370		870937	31	33	486		1.76	44	3725		110		
54371		870938	9	<15	47		<1	14	314		20		
54372		870939	7	<15	37		<1	15	324		24		
54373		870940	<5	<15	<10		<1	<1	<1		<1		
54374		870941	115	353	852		1.69	69	2663		308		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040780
Reference: Batch#G-10-19-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54375		870942	14	<15	22		<1	44	314		39		
54376	Dup	870942	12	<15	23		<1	44	312		40		
54377		870943	11	<15	27		<1	59	445		66		
54378		870944	13	17	70		<1	61	768		74		
54379		870945	14	<15	72		<1	60	1174		67		
54380		870946	15	<15	61		<1	47	653		51		
54381		870947	12	23	56		<1	48	674		48		
54382		870948	11	16	38		<1	43	467		40		
54383		870949	14	<15	78		<1	51	881		64		
54384		870950	24	22	97		<1	46	1184		53		
54385		870951	17	29	108		<1	49	1355		60		
54386	Dup	870951	18	21	110		<1	48	1316		59		
54387		870952	16	<15	86		<1	46	790		55		
54388	Rep	870952	17	18	87		<1	47	805		56		
54389		870953	<5	<15	<10		<1	<1	1		<1		
54390		870954	12	20	47		<1	46	441		47		
54391		870955	12	15	40		<1	39	266		34		
54392		870956	12	<15	55		<1	44	479		41		
54393		870957	21	<15	48		<1	35	537		24		
54394		870958	13	<15	32		<1	33	344		17		
54395		870959	282	996	3593		3.24	56	6857		430		
54396		870960	15	<15	44		<1	38	474		28		
54397		870961	14	<15	83		<1	40	479		29		
54398		870962	12	<15	53		<1	40	540		33		

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040780
Reference: Batch#G-10-19-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54399	870963	17	<15	165		<1	55	1325		76		
54400	870964	16	<15	118		<1	61	1262		94		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040781
Reference: Batch#G-10-19-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54401		870965	24	26	278		1.12	61	1826		93		
54402	Dup	870965	26	22	270		1.05	64	1805		96		
54403		870966	12	<15	86		<1	58	309		78		
54404		870967	33	49	403		1.83	66	1600		114		
54405		870968	20	26	162		<1	52	596		76		
54406		870969	27	22	212		<1	67	322		108		
54407		870970	29	30	199		<1	69	364		111		
54408		870971	15	23	109		<1	55	294		81		
54409		870972	16	<15	65		<1	53	241		71		
54410		870973	14	<15	36		<1	58	214		82		
54411		870974	9	<15	35		<1	44	234		50		
54412	Dup	870974	76	<15	34		<1	44	228		49		
54413		870975	9	<15	23		<1	45	247		41		
54414	Rep	870975	8	<15	20		<1	44	243		41		
54415		870976	<5	<15	<10		<1	<1	<1		<1		
54416		870977	8	<15	22		<1	40	250		30		
54417		870978	15	<15	28		<1	35	260		27		
54418		870979	8	<15	25		<1	34	270		24		
54419		870980	9	<15	68		<1	54	280		73		
54420		870981	27	<15	286		1.28	64	1775		119		
54421		870982	67	217	805		1.14	69	2596		303		
54422		870983	45	36	750		1.23	94	2373		186		
54423		870984	60	39	912		3.97	96	6464		237		
54424		870985	35	29	519		1.50	99	3331		203		

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Friday, March 12, 2010

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Date Received: 03/05/2010
Date Completed: 03/12/2010

Job #: 201040781
Reference: Batch#G-10-19-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54425	870986	35	23	491		2.48	95	5203		225		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Tuesday, March 16, 2010

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040782
Reference: Batch#G-10-19-C
Sample #: 18 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54289		870987	13	<15	126		<1	60	1055		94		
54426	Dup	870987	15	<15	123		<1	60	1051		93		
54427		870988	16	<15	90		<1	54	741		73		
54428		870989	18	<15	165		<1	53	1184		83		
54429		870990	44	27	581		1.38	71	2119		133		
54430		870991	60	47	519		1.34	75	2534		143		
54431		870992	33	26	585		1.28	76	2604		147		
54432		870993	43	35	589		3.06	72	3024		149		
54433		870994	58	58	1182		2.94	88	5341		227		
54434		870995	58	68	1280		3.27	74	7226		217		
54435		870996	87	97	1281		4.92	77	9997		257		
54436	Dup	870996	83	92	1262		4.02	79	9833		263		
54437		870997	101	84	1188		4.44	83	7109		231		
54438	Rep	870997	90	81	1223		3.65	83	7460		234		
54439		870998	<5	<15	<10		<1	1	2		<1		
54440		870999	49	46	726		2.91	69	5889		195		
54441		871000	36	21	527		1.44	38	4221		87		
54442		871001	36	18	430		1.01	23	4217		43		
54443		871002	29	<15	294		<1	21	3508		40		
54444		871003	44	21	465		<1	19	2902		30		
54445		871004	270	1081	3500		3.38	68	6308		474		

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Fax#: (416) 861-1925
Email#: dgood@marathonpgm.com

Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040782
Reference: Batch#G-10-19-C
Sample #: 18 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040783
Reference: Batch#G-10-20-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54446		871005	13	<15	34		<1	58	372		68		
54447	Dup	871005	14	<15	35		<1	58	361		67		
54448		871006	17	<15	90		<1	68	1107		85		
54449		871007	14	17	83		1.25	59	1280		59		
54450		871008	20	18	213		1.26	65	1937		80		
54451		871009	22	18	223		<1	63	2080		86		
54452		871010	24	<15	253		<1	61	1820		81		
54453		871011	25	<15	179		<1	57	1382		59		
54454		871012	33	<15	29		<1	32	370		15		
54455		871013	15	<15	35		<1	31	444		14		
54456		871014	11	<15	40		<1	31	483		14		
54457	Dup	871014	12	<15	50		<1	31	507		14		
54458		871015	16	<15	89		<1	38	506		24		
54459	Rep	871015	13	<15	92		<1	38	533		24		
54460		871016	7	<15	<10		<1	1	6		2		
54461		871017	17	<15	110		<1	42	811		23		
54462		871018	22	<15	82		<1	62	1501		59		
54463		871019	30	22	221		<1	62	1529		60		
54464		871020	28	<15	172		<1	50	814		33		
54465		871021	15	<15	116		<1	56	670		50		
54466		871022	81	209	764		1.23	75	2850		279		
54467		871023	22	<15	115		<1	55	627		44		
54468		871024	14	<15	86		<1	54	820		31		
54469		871025	7	19	45		<1	89	108		124		

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040783
Reference: Batch#G-10-20-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54470	871026	11	<15	64		<1	38	247		23		
54471	871027	10	<15	42		<1	44	269		29		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040784
Reference: Batch#G-10-20-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54472		871028	24	18	368		<1	73	1000		92		
54473	Dup	871028	26	<15	403		<1	72	966		90		
54474		871029	26	15	230		<1	84	521		109		
54475		871030	10	<15	71		<1	78	159		93		
54476		871031	13	<15	65		<1	48	231		41		
54477		871032	18	<15	28		<1	41	273		25		
54478		871033	11	<15	24		<1	42	236		25		
54479		871034	8	<15	29		<1	50	239		39		
54480		871035	14	<15	24		<1	46	257		27		
54481		871036	15	<15	116		<1	57	510		55		
54482		871037	12	<15	121		<1	53	334		60		
54483	Dup	871037	16	<15	127		<1	55	354		62		
54484		871038	36	29	370		<1	83	1153		122		
54485	Rep	871038	35	31	387		<1	88	1006		124		
54486		871039	6	<15	<10		<1	4	46		20		
54487		871040	48	18	832		3.25	104	6523		202		
54488		871041	48	<15	577		2.19	92	5142		172		
54489		871042	64	25	709		2.34	108	5278		210		
54490		871043	48	23	517		1.62	102	3685		187		
54491		871044	22	21	196		<1	52	1351		66		
54492		871045	276	1008	3269		2.74	68	6573		468		
54493		871046	22	33	177		<1	51	1725		62		
54494		871047	41	38	478		1.17	79	2550		134		
54495		871048	47	40	673		1.33	89	2816		159		

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040784
Reference: Batch#G-10-20-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54496	871049	30	32	313		<1	85	1929		141		

PROCEDURE CODES: ALPG1, ALAgAR, ALCuAR, ALCoAR, ALNiAR, ALL1

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040785
Reference: Batch#G-10-20-C
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54290		871050	39	20	373		<1	77	2270		123		
54497	Dup	871050	36	21	395		<1	78	2317		125		
54498		871051	29	<15	328		<1	78	567		110		
54499		871052	45	23	519		<1	78	546		110		
54500		871053	49	43	592		<1	74	1476		114		
54501		871054	28	21	354		1.31	66	1573		99		
54502		871055	28	<15	327		1.56	70	3478		97		
54503		871056	36	28	587		1.13	65	3361		91		
54504		871057	31	23	399		1.52	69	4360		114		
54505		871058	39	36	450		1.33	67	3509		114		
54506		871059	92	62	1193		4.48	92	9582		226		
54507	Dup	871059	92	60	1155		3.65	91	10113		221		
54508		871060	59	46	793		2.67	86	7407		166		
54509	Rep	871060	57	53	792		2.42	96	6481		192		
54510		871061	<5	<15	12		<1	2	2		<1		
54511		871062	61	48	889		2.11	116	5471		238		
54512		871063	62	40	701		1.48	83	3937		149		
54513		871064	45	38	648		<1	73	3177		123		
54514		871065	81	60	1109		2.21	102	4574		200		
54515		871066	93	66	1250		2.64	86	6671		193		
54516		871067	85	280	900		1.26	72	2836		303		
54517		871068	61	37	765		2.30	58	5619		121		
54518		871069	44	45	792		2.84	79	8844		196		
54519		871070	33	22	519		1.56	43	8625		128		

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Email#: dgood@marathonpgm.com

Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040785
Reference: Batch#G-10-20-C
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54520	871071	10	<15	159		<1	23	1537		19		

PROCEDURE CODES: ALPG1, ALAgAR, ALCuAR, ALNiAR, ALCoAR, ALL1

Certified By:

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Fax#: (416) 861-1925
Email#: dgood@marathonpgm.com

Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040792
Reference: Batch#G-10-21-A
Sample #: 23 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54853		871072	18	<15	11		<1	44	210		30		
54854	Dup	871072	22	<15	<10		<1	42	219		31		
54855		871073	13	<15	<10		<1	35	297		20		
54856		871074	11	<15	34		<1	33	246		15		
54857		871075	6	<15	28		<1	31	250		14		
54858		871076	6	<15	14		<1	39	274		23		
54859		871077	9	<15	21		<1	37	245		22		
54860		871078	6	<15	26		<1	39	224		29		
54861		871079	8	<15	31		<1	43	252		29		
54862		871080	11	<15	47		<1	48	323		40		
54863		871081	11	<15	78		<1	63	302		78		
54864	Dup	871081	12	<15	76		<1	60	297		73		
54865		871082	25	17	302		<1	70	1213		96		
54866	Rep	871082	26	<15	309		<1	67	1230		94		
54867		871083	<5	<15	<10		<1	2	7		4		
54868		871084	26	<15	366		1.20	65	3008		92		
54869		871085	34	26	459		1.89	69	5257		126		
54870		871086	29	20	412		1.34	73	3176		115		
54871		871087	31	<15	330		1.81	47	3941		78		
54872		871088	15	<15	117		<1	41	1134		40		
54873		871089	312	1010	3503		2.66	68	6710		434		
54874		871090	17	<15	147		<1	51	1178		58		
54875		871091	15	<15	135		<1	51	841		51		
54876		871092	60	54	920		1.49	69	2907		114		

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040792
Reference: Batch#G-10-21-A
Sample #: 23 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54877	871093	67	51	1161		2.27	69	4120		134		
54878	871094	64	61	1130		1.55	74	3402		130		

PROCEDURE CODES: ALPG1, ALAgAR, ALCoAR, ALCuAR, ALNiAR, ALL1

Certified By:

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040791
Reference: Batch#G-10-21-B
Sample #: 22 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54828		871095	30	<15	469		<1	63	1590		99		
54829	Dup	871095	31	<15	450		<1	65	1630		99		
54830		871096	7	<15	16		<1	49	120		52		
54831		871097	7	<15	11		<1	46	85		53		
54832		871098	6	<15	<10		<1	51	85		61		
54833		871099	33	18	502		1.11	55	3095		94		
54834		871100	46	17	504		1.34	56	2715		91		
54835		871101	34	<15	301		<1	59	2991		113		
54836		871102	25	18	395		<1	81	2004		118		
54837		871103	20	<15	254		1.20	54	1306		66		
54838		871104	51	<15	277		<1	52	1982		65		
54839	Dup	871104	45	<15	281		<1	54	2014		65		
54840		871105	49	30	523		1.12	62	4570		104		
54841	Rep	871105	56	37	544		1.09	62	4380		104		
54842		871106	<5	<15	<10		<1	3	2		<1		
54843		871107	60	18	569		<1	69	3469		107		
54844		871108	35	22	519		<1	66	1950		98		
54845		871109	24	<15	259		<1	60	1151		73		
54846		871110	35	27	508		1.30	65	3758		104		
54847		871111	39	31	481		1.40	67	4405		111		
54848		871112	82	247	924		<1	71	2692		257		
54849		871113	46	35	742		2.32	86	6505		173		
54850		871114	69	54	1017		3.47	80	9266		197		
54851		871115	41	28	564		1.92	52	6836		115		

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Date Received: 03/05/2010
Date Completed: 03/16/2010

Job #: 201040791
Reference: Batch#G-10-21-B
Sample #: 22 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
54852	871116	17	<15	65		<1	19	868		14		

PROCEDURE CODES: ALPG1, ALAgAR, ALCuAR, ALCoAR, ALNiAR, ALL1

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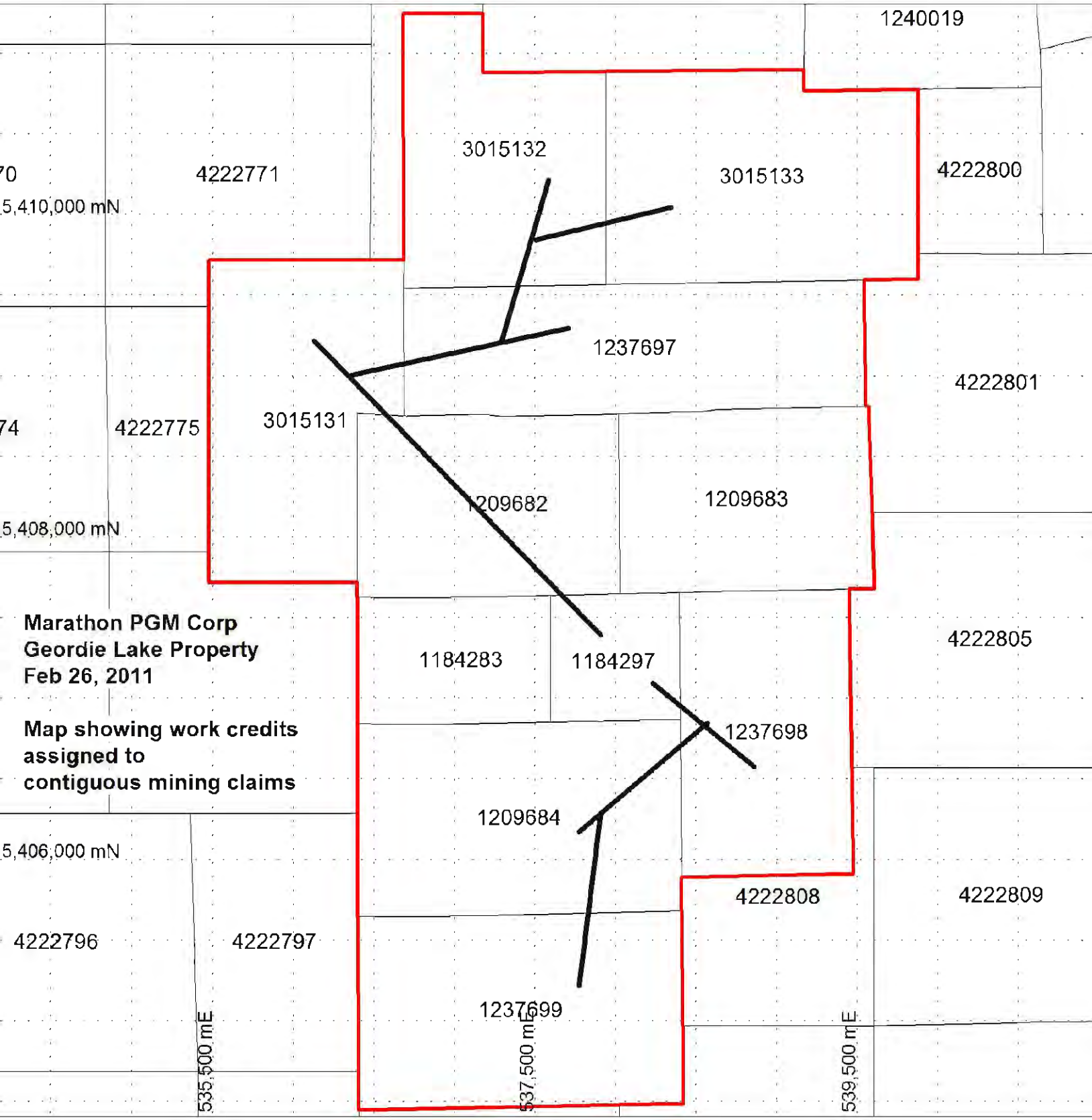
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3015132
3015133
4222800
70
4222771
5,410,000 mN
1237697
4222801
74
4222775
3015131
1209682
1209683
5,408,000 mN
Marathon PGM Corp
Geordie Lake Property
Feb 26, 2011
Map showing work credits
assigned to
contiguous mining claims
1184283
1184297
4222805
1237698
1209684
5,406,000 mN
4222808
4222809
4222796
4222797
1237699
535,500 mE
537,500 mE
539,500 mE

Trench

Coubran Lake

Geordie Lake Trail

G10-21
G10-01
G10-20
G10-18
G10-19
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G10-13
G10-14

STILLWATER CANADA INC.

Geology of the Geordie Lake Area
Compilation of 2010 mapping
and regional map by Walker et al.

Scale: 1 : 3,500	Prepared by: M. Simon
Date: May 16, 2011	Geology of Syenitic rocks after Walker et al., 1993
Projection: UTM NAD27, Zone 16	Geology of Geordie Lake Gabbro by D.Good, R.Epstein, R.Ruthart and K.McLean

Legend

- 2010 Drill Hole
- Historic Drill Hole
- Outcrop After Walker et al 1993
- Outcrop Mapped in 2010

Geology

1 - Mafic Volcanic Rocks
2 - Syenite Porphyry
3 - Augite Syenite
4 - Amphibole Quartz Syenite
5 - Geordie Lk. Gabbro (2d, e)
6 - Geordie Lk. Gabbro (2a, b, c)
7 - Geordie Lake Gabbro (3a, b, c)

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-13
G10-14
69m
G-06-01
111.3m
G-06-01
183.7m
G10-13
200m

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

HoleID
NSR
TPGM
Cu%
Lithology
EOH

<13
13-20
>20

Legend for NSR

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7125
Looking North

Scale 1:500	March 2010	File: N_7125.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m

G-06-01
111.3m

G10-12
135.5m

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

<13
13-20
>20

Legend for NSR

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

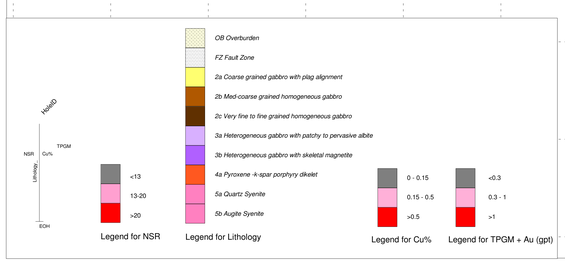
Marathon PGM Geordie Lake Project
Section 7150
Looking North

Scale 1:500	March 2010	File: N_7150.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m

G-06-04
G-06-03
G-06-01
41.9m
G10-16
G10-15
80m
G-02-03
206.4m



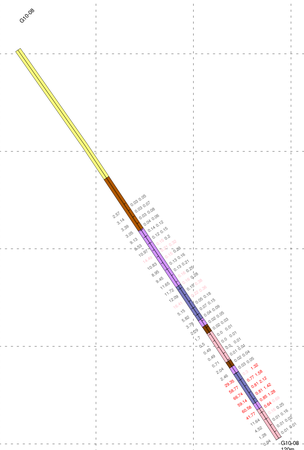
Marathon
PGM CORPORATION

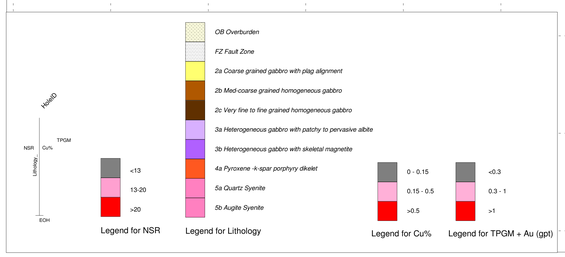
Marathon PGM Geordie Lake Project
Section 7175
Looking North

Scale 1:500	March 2010	File: N_7175.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m





Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7225
Looking North

Scale 1:500	March 2010	File: N_7225.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-10
87-04
87-03

87-03
80m

87-04
116m

G10-10
199m

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -K-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

HoleID
NSR
Cu%
TPGM
Lithology
EOH

<13
13-20
>20

Legend for NSR

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

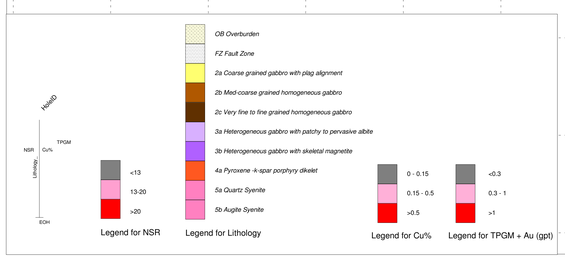
Marathon PGM Geordie Lake Project
Section 7250
Looking North

Scale 1:500	March 2010	File: N_7250.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-07
129m



Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7275
Looking North

Scale 1:500	March 2010	File: N_7275.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m

G-00-09
272m

G-01-01
200.79m

G10-06
72m

G10-08

NSR
Cu%
TPGM
Lithology
HoleID
EOH

<13
13-20
>20
Legend for NSR

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite
Legend for Lithology

0 - 0.15
0.15 - 0.5
>0.5
Legend for Cu%

<0.3
0.3 - 1
>1
Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7300
Looking North

Scale 1:500	March 2010	File: N_7300.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-11
G10-09
G10-09
T26m
G10-11
225m

NuvoID
NSR
TPGM
Cu%
Lithology
EOH

<13
13-20
>20

Legend for NSR

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

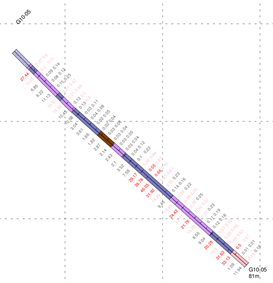
Marathon
PGM CORPORATION

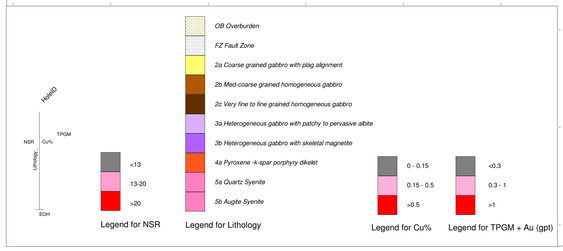
Marathon PGM Geordie Lake Project
Section 7325
Looking North

Scale 1:500	March 2010	File: N_7325.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m





Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7350
Looking North

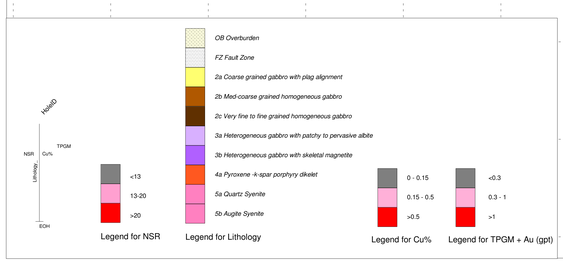
Scale 1:500	March 2010	File: N_7350.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-04
177m

G-01-13
270.12m



Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7375
Looking North

Scale 1:500	March 2010	File: N_7375.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-16
G10-16C
G10-02
G10-02
84m
G-01-02
133.84m
G10-16
225m

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

NaeqO
TPGM
NSR
Cu%
Lithology
EOH

<13
13-20
>20

Legend for NSR

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7400
Looking North

Scale 1:500	March 2010	File: N_7400.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-17
248m

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

Host/D
NSR
Cu%
TPGM
Lithology
EOH

<13
13-20
>20

Legend for NSR

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7425
Looking North

Scale 1:500	March 2010	File: N_7425.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-19
87-00
87-02
119m
G10-19
180m

NaxiD
NSR
Cu%
TPGM
Lithology
EOH

<13
13-20
>20

Legend for NSR

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7450
Looking North

Scale 1:500	March 2010	File: N_7450.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

475 m
425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-03
81m

HoleID
NSR
Cu%
TPGM
Lithology
EOH

<13
13-20
>20
Legend for NSR

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite
Legend for Lithology

0 - 0.15
0.15 - 0.5
>0.5
Legend for Cu%

<0.3
0.3 - 1
>1
Legend for TPGM + Au (gpt)

Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7475
Looking North

Scale 1:500	March 2010	File: N_7475.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m

G-01-12
257.62m

G10-18
200m

G-01-03
135.67m

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite

Legend for Lithology

NSR
TPGM
Cu%
Lithology
HostGD
EOH

<13
13-20
>20

Legend for NSR

0 - 0.15
0.15 - 0.5
>0.5

Legend for Cu%

<0.3
0.3 - 1
>1

Legend for TPGM + Au (gpt)

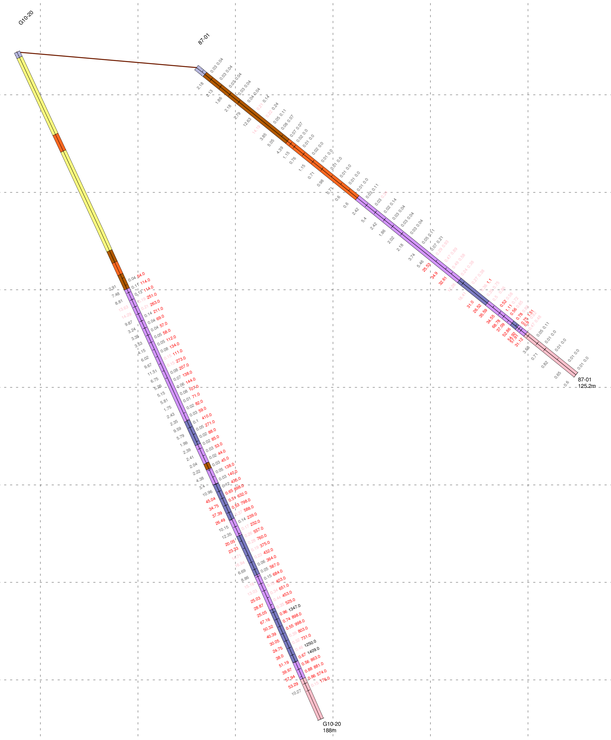
Marathon
PGM CORPORATION

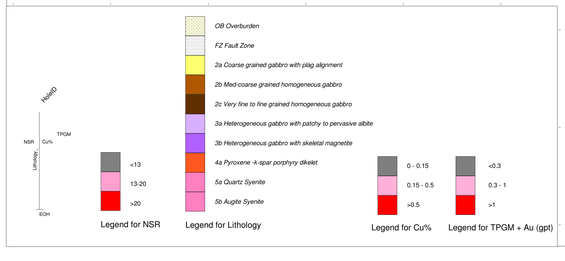
Marathon PGM Geordie Lake Project
Section 7500
Looking North

Scale 1:500	March 2010	File: N_7500.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m





Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7550
Looking North

Scale 1:500	March 2010	File: N_7550.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m

G10-04
G10-01
G10-01
98m
G10-01
148.47m

HoleID
NSR
TPGM
Cu%
Lithology
EOH

<13
13-20
>20
Legend for NSR

OB Overburden
FZ Fault Zone
2a Coarse grained gabbro with plag alignment
2b Med-coarse grained homogeneous gabbro
2c Very fine to fine grained homogeneous gabbro
3a Heterogeneous gabbro with patchy to pervasive albite
3b Heterogeneous gabbro with skeletal magnetite
4a Pyroxene -k-spar porphyry dikelet
5a Quartz Syenite
5b Augite Syenite
Legend for Lithology

0 - 0.15
0.15 - 0.5
>0.5
Legend for Cu%

<0.3
0.3 - 1
>1
Legend for TPGM + Au (gpt)

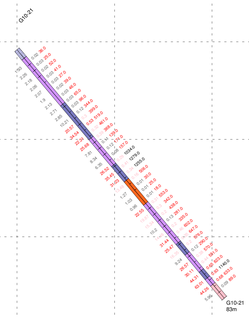
Marathon
PGM CORPORATION

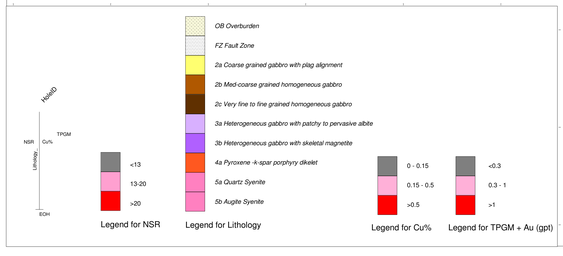
Marathon PGM Geordie Lake Project
Section 7575
Looking North

Scale 1:500	March 2010	File: N_7575.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko

537,350 mE
537,400 mE
537,450 mE
537,500 mE
537,550 mE
537,600 mE
537,650 mE
537,700 mE
537,750 mE
537,800 mE
537,850 mE
537,900 mE

425 m
375 m
325 m
275 m
225 m
175 m
125 m





Marathon
PGM CORPORATION

Marathon PGM Geordie Lake Project
Section 7625
Looking North

Scale 1:500	March 2010	File: N_7625.wor
Figure:	NTS 42D NAD 27, Zone 16	Prepared by: Jessica Borysenko