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## DIAMOND DRILLING BEILBY, McBRIDE AND CLARKE

# on the SHINING TREE PROJECT for PLATINEX INC.

## CHURCHILL AND ASQUITH TOWNSHIPS, LARDER LAKE MINING DIVISION ONTARIO, CANADA

(This Technical Report is being filed to allow for 2016 relogging and sampling of drill core work credits to be filed and is an identical duplicate to a Technical Report filed earlier)

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Under the advisement of
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March 7<sup>th</sup>, 2017

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#### 1.0 INTRODUCTION

This report presents the results of five reconnaissance drill holes on the Beilby, McBride, and Clarke areas of the Platinex Inc. Shining Tree Project. The project is located in Churchill, Asquith and Macmurchy townships, Larder Lake Mining Division, District of Sudbury, Ontario. The work was completed between March 16<sup>th</sup> 2012 and November 24<sup>th</sup> 2016 as part of ongoing exploration by Platinex Inc. Over the course of two years prior to drilling, several surveys were carried out to explore for gold using glacial till. Prospecting of gold in till anomalies, powerstripping and channel sampling during the summer of 2011 in the Beilby area located a new gold occurrence. An IP/Resistivity survey was completed by JVX Ltd. by March 11 of 2012 covering the new gold occurrence as well as several other areas with high gold in till results.

Targets were selected on four separate claims; three of the holes were centered on targets south of Beilby Lake. Two of them on claim L4207971, and one on claim L4245864 which at depth crosses onto claim L1217520. Another hole was situated about a kilometre east of the first three holes and about a half of a kilometre north of highway 560 on claim L1192177 dubbed the McBride area. The last hole was located around three kilometres south of the others and just north of Macdonald Lake on claim L4209215, on what is known as the Clarke showing.

Diamond drilling was performed by Laframboise Drilling, of Earlton, Ontario under supervision from Platinex field geologist Dean Cutting P.Geo. Drill Core from all holes (BP12-01 through BP12-03, MP12-01, and CKP12-01) was logged, sawn and stored on property rented by Platinex from Bruce Cupskey in Shining Tree, Ontario. Twenty three samples were taken to Accurassay Laboratories of Thunder Bay, Ontario and 197 samples were taken to SGS minerals of Toronto, with sample prep completed at SGS Sudbury, Ontario for gold analysis.

#### 2.0 PROPERTY LOCATION AND ACCESS

At the time that this drill program was completed the Shining Tree property consisted of 148 contiguous claim units and one separate claim containing 3 claim units in Churchill, Asquith and MacMurchy townships, Larder Lake Mining Division, District of Sudbury, Ontario. Of the claim units, 139 were and are subject to an underlying agreement with Skead Holdings Ltd. The remaining 12 were but are not currently under option agreement with Canadian Prospecting Ventures Inc.

Figure 1 shows the location of the Shining Tree area in Ontario as well as the claim locations and numbers with respect to major topographic and cultural features of the area.

Primary access to the property is obtained using a paved secondary highway (560) which runs through the centre of the property. Highway 560 connects with Highway 144 to the west and with Highway 65 at Elk Lake to the east. The claims are about 3 kilometers northeast of the village of Shining Tree and about 50 kilometers west of Gowganda. A number of logging trails accessible by 4-wheel drive vehicle provide access to portions of the property, and boat access is possible using Michiwakenda Lake, Cryderman Lake and West Shining Tree Creek.

Access to the Beilby Lake area was obtained via an old logging road and by cutting drill trails to allow the drill rig to gain access to the collar sites. The entrance of the road is located north of the Spruce Shilling Camp on Highway 560, on the west side. Access to the McBride area was similarly obtained by another old logging road and by cutting a drill trail to allow the drill rig to gain access. The entrance of the road is located on the north side of Highway 560, on claim L1199655. Access to the Clarke area was obtained by an old logging road on the east side of Highway 560 just north of Moorecamp Lake.

#### 3.0 PREVIOUS WORK

Several shafts with limited underground development are situated on the project claims, and existed within separate properties pre 1940's. These were best known as the Herrick, Churchill, and Caswell properties. Relatively little diamond drilling has been done on the Churchill, and only sporadic programs have been carried out on the Caswell, including seven holes drilled by Platinex in 2011. Within the last eight years 51 drill holes have targeted the Herrick deposit, bringing the total number of diamond drill holes to 66. Exploration on the remainder of the property has been limited to prospecting, hand dug trenches, mapping and local sporadic geophysical and diamond drilling programs. Several glacial till sampling programs have also been carried out.

#### 4.0 TOPOGRAPHY

The area has relatively low relief between 350 and 420 metres above sea level. Terrain is hummocky and gently rolling, with the remnant bases of Nipissing diabase sills forming several of the higher ridge lines, along with positive relief Matachewan diabase dykes. The area is generally well drained with numerous lakes and rivers. Logging for pine, spruce and poplar has taken place in small areas of the property at various times in the past, and continues. Regrowth is generally jackpine and poplar. Cedar is common in poorly drained areas. Outcrop ranges from 5% to greater than 50% in some areas, with outwash sands obscuring the eastern-most part of the property.

#### 5.0 GEOLOGY

#### **5.1 QUATERNARY GEOLOGY**

The glacial deposits preserved in the area are products of the latest continental ice sheet, the Laurentide of Wisconsinan age. The Keewatin lobe advanced from the northeast approximately 100,000 years ago, and extended south into the northern United States. By 11,000 years ago, the ice sheet had receded back to the Shining Tree area and deposited a variety of surficial material, dominated by thin sandy till ground moraine over bedrock knobs (Roed and Hallett, 1979). Sand and gravel outwash deposits begin to predominate on the eastern edge of the project area, and can often be found as a thin deposit overlying ground moraine tills.

### 5.2 GENERAL BEDROCK GEOLOGY

The Shining Tree greenstone belt is located approximately 100 km north of Sudbury, and is located within the southern portion of the Abitibi Sub province, Superior Province, northeast Ontario. The supracrustal rocks in the Shining Tree area have been divided into the Pacaud, Deloro, Kidd-Munro, Tisdale and Timiskaming assemblages in keeping with the rest of the Abitibi greenstone belt (Ayer 1999; Ayer et al. 1999; Johns 1999b; Oliver et al. 1999b). The ~2669-2678 Ma Timiskaming assemblage is separated from the older assemblages (>2.7 Ga) by an unconformity. The Timiskaming assemblage is also composed of a considerably different array of rocks than the older supracrustal rocks (Ayer 2000).

The Pacaud, Deloro, Kidd-Munro and Tisdale assemblages are dominated by volcanic supracrustal rocks, which were formed before the first phase of deformation. Felsic volcanic units close to the presumed tops of the assemblages in the Shining Tree area have been dated: The ages of the older three assemblages (Pacaud, Deloro and Kidd-Munro) indicate that the greenstone belt is younging to the northeast (Ayer 2000).

The Pacaud assemblage is mainly composed of massive and pillowed basalts and is associated with minor spinifex or cumulate textured komatiites.

The Deloro assemblage is dominated by felsic volcanic rocks and is capped in many places by chemical meta-sedimentary rocks, seen as banded chert and jasper.

The Kidd-Munro assemblage is a varied assemblage dominated by tholeiitic basalts and komatiites, with minor felsic volcanic rocks, and the Tisdale assemblage comprises mafic flows and intermediate to felsic pyroclastics and/or volcaniclastics (Johns 1999a).

The 2012 drilling program intersected rock units from both the Pacaud assemblage and the Deloro assemblage. It is suggested that drill holes BP12-01 and BP12-02, and BP12-03 have intersected volcanic rocks in close proximity to the Pacaud-Deloro boundary, possibly with mafic volcanic rocks belonging to the Pacaud assemblage and felsic volcanic rocks belonging to the Deloro assemblage. MP12-01 is entirely composed of a low-quartz intrusive (syentite?) of unknown age. CKP12-01 was drilled entirely with Pacaud assemblage mafic to ultramafic lithologies.

#### 5.3 METAMORPHISM AND STRUCTURE

The metamorphic grade throughout most of the Shining Tree area is mid to low greenschist facies (Oliver et al. 1999a, 1999b). Amygdules are filled with chlorite, carbonate or quartz. There are two main phases of deformation and associated metamorphism in the Shining Tree area (Oliver et al. 1999a,1999b) with rocks older than 2.7 Ga having undergone two periods of deformation. There are multiple deformation zones in the older volcanic rocks in which gold has been found, especially in MacMurchy and Tyrrell Townships (Johns 1996, 1997 and 1999a). The Timiskaming assemblage has undergone a single period of deformation and is metamorphosed to a lesser degree than the older volcanic rocks (Oliver et al. 1999a, 1999b). The Timiskaming assemblage was formed between the two deformation events and lies unconformably above the pre-deformational volcanics (Ayers 2000).

#### **6.0 DRILLING PROGRAM**

#### **6.1 LOGISTICS**

Diamond drilling was done under contract by Laframboise Drilling, of Earlton, Ontario from March 22<sup>th</sup> until March 29<sup>th</sup> 2012. The project was conducted under the supervision of Dean Cutting P.Geo., of Rouyn-Noranda, Quebec, from mid-March 2012 through mid-November 2016. Drill core was sawn in preparation for sampling, and stored on property rented by Platinex from Bruce Cupskey in Shining Tree, Ontario. Preliminary logging and sampling of the core was completed in the early spring of 2012 by Dean Cutting with the assistance of Bruce Cupskey. Relogging and additional sampling work was

completed in the fall of 2016 by Dean Cutting, with core being cut by Canadian Exploration Services in Larder Lake, Ontario. Preliminary drill logs from 2012 as well as final drill logs from 2016 have been included in this report.

The NQ drill core was sawn in half, with one half archived and the other sent for gold analysis at SGS Minerals of Toronto, Ontario for the 2012 sampling, and Accurassay Laboratories of Thunder Bay, Ontario for the 2016 sampling. Standards, and blank samples were inserted into the sample stream at the core facility roughly every 20 samples.

#### **6.2 RESULTS**

The Drilling program comprised of 5 holes on the properties totaling 869 metres. The holes were drilled to test various IP anomalies coincident to gold in till anomalies. Plan views of the drilling are illustrated in figures 2 to 5 (pages 12-15). Drill cross sections are presented in figures 6 to 10 (pages 16-20)

**BP12-01** (See figure 6) This drill hole tested a strong surface chargeability anomaly. Rock types logged in the hole consist of mafic volcanics, either massive or pillowed. Chargeability appears to be caused by sporadic to locally strong pyrite mineralization controlled by quartz-carbonate veinlets. The highest gold value was 140 ppb associated with 15 to 20% disseminated pyrite.

**BP12-02** (See figure 7) This hole tested a strong surface chargeability anomaly. Rock types logged in the hole range from felsic volcanics to mafic volcanics as well as gabbroic intrusive units. Several late diabase dykes were also intersected. The chargeability anomaly appears to be caused by wide zones of disseminated pyrite in quartz-carbonate-sericite alteration within felsic volcanic rocks. Most gold values however were below 5 ppb, with a high value of 65 ppb.

**BP12-03** (See figure 8) This hole tested a weak surface chargeability anomaly. Rock types logged in the hole include a number of intrusive units described as gabbro, trachyte, feldspar porphyry, and fine grained felsic dykes. Mafic to felsic flow rocks are also noted. The chargeability anomaly again appears to be caused by zones of disseminated pyrite in quartz-carbonate-sericite alteration within felsic volcanic rocks, although narrow zones of 5% disseminated pyrite also occur within a feldspar porphyry dyke, as well as a gabbroic unit. The highest gold value of 179 ppb was returned from a narrow pyritic quartz carbonate healed fracture zone in gabbro. A gold value of 79 ppb was returned from a pyritic feldspar porphyry dyke with 5% disseminated pyrite.

MP12-01 (See figure 9) This hole tested a very weak chargeability anomaly in area with high gold in till counts. The entire hole was logged as a syenite to syenodiorite, generally fractured and altered with a carbonate-chlorite stockwork. Very little sulphide was noted. Gold values are locally anomalous up to 324 ppb.

CKP12-01 (See figure 10) This hole tested a strong surface chargeability anomaly. Rock types logged in the hole consist mainly of pillowed and massive porphyritic mafic volcanics, cut by several diabase dykes. The chargeability does not appear to be explained by the relatively minor amounts of disseminated pyrite in mafic flows and magnetite in the diabase dykes. Gold values are generally below 5 ppb with a high value of 31 ppb.

#### 7.0 CONCLUSIONS AND RECOMMENDATIONS

The 2012 Beilby-Clarke drilling program generally focused on testing of strong chargeability anomalies outlined by a relatively small (10.9 km) Pole-Dipole IP/Resisitivity survey. These anomalies were explained by disseminated pyrite zones within volcanic as well as intrusive rocks. Gold values associated with chargeability anomalies were generally at or below detection limit, with locally anomalous values (20 to 140 ppb). It should be noted that much of the core remains to be sampled.

The most significant gold mineralization occurred in MP12-01, which targeted a very weak chargeability anomaly and intersected only trace to minor amounts of pyrite mineralization. Gold mineralization occurs within what appears to be a relatively large body of syenite or syenodiorite that has been chloritized and carbonatized along a stockwork style fracture system. Pyrite concentrations generally occur in trace amounts, but locally can approach concentrations of 1%.

It is recommended that the remainder of drill hole MP12-01 be split and sampled for gold. Selected, representative multi-element, whole rock analyses, and thin section description are suggested for each distinct lithology intersected in each drill hole of the 2012 drilling program. Additional gold analyses should be considered in locations where anomalous gold values (>20 ppb) occur.

The new gold occurrence south of Beilby Lake was not directly tested during the 2012 drilling program. Additional mapping in the Beilby area should be undertaken, integrating the results of the 2012 geophysics and drilling programs.

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#### Certificate of Qualifications: James R. Trusler

I, James R. Trusler at 20 William Roe Blvd, Suite 807, Newmarket, Ontario do hereby certify that:

- 1) I am a Geological Engineer employed as President and CEO of Platinex Inc. and I am also the principal shareholder of Platinex Inc.;
- 2) I graduated from the University of Toronto with BA.Sc. in Geological Engineering in 1967. I obtained a Master of Science (Geology) from Michigan Technological University in 1972. I have practiced my profession full-time from 1967-1969 and from 1970 to present;
- I am a Professional Engineer registered with the Professional Engineers Ontario (PEO #47064019);
- 4) I have not received, nor do I expect to receive, any interest, directly or indirectly, in the Shining Tree property;
- 5) As of the date of this certificate, to the best of my knowledge, information and belief, this report contains all scientific and technical information that is required to be disclosed to make the Diamond Drilling Beilby, McBride and Clarke on the Shining Tree Project for Platinex Inc. not misleading;
- 6) I have read National Instrument 43-101 and supervised the completion of the Diamond Drilling Beilby, McBride and Clarke on the Shining Tree Project for Platinex Inc. which has been prepared in compliance with the intent of National Instrument 43-101 and Form 43-101F1 but is not a Technical Report as defined by National Instrument 43-101;
- 7) I have collaborated with lain Trusler who prepared Diamond Drilling Beilby, McBride and Clarke on the Shining Tree Project for Platinex Inc. under my supervision;

James R. Trysler, BASC, MS, PEng

8) I have visited the property on several occasions and during the program.

Dated at Newmarket, ON

March 7<sup>th</sup>, 2017

#### Certificate of Qualifications: lain S. Trusler

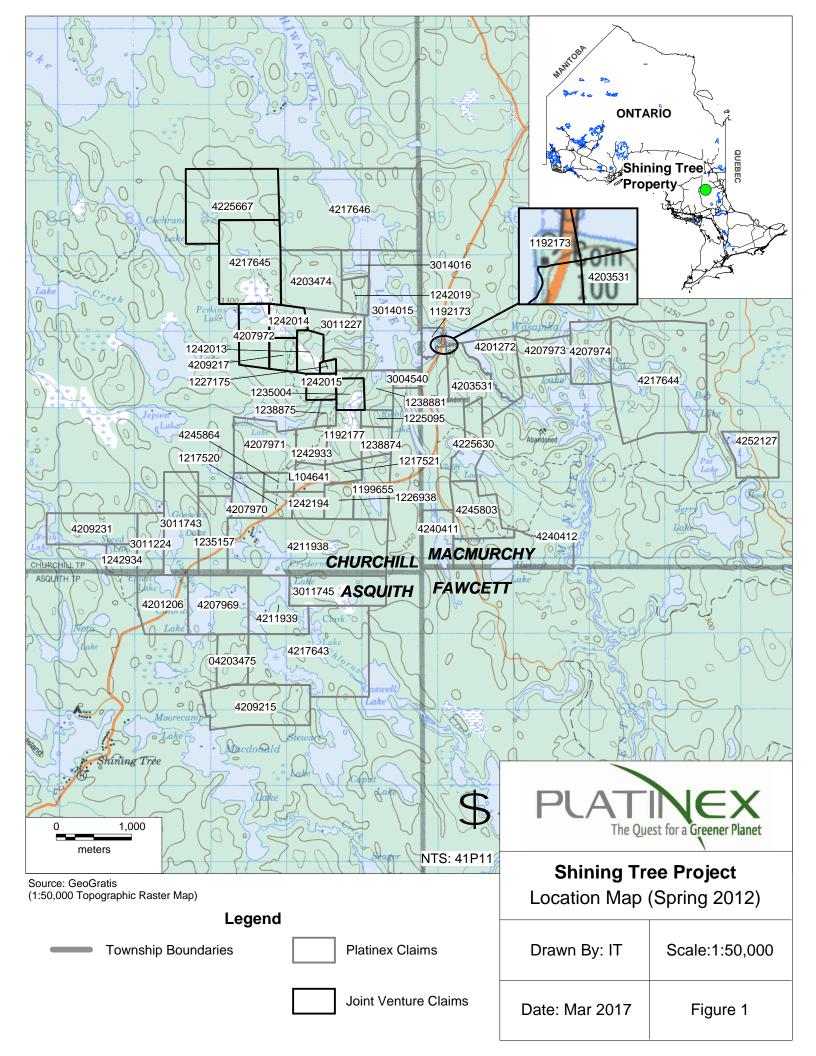
I, Iain S. Trusler at 32 Richmond St., Richmond Hill, Ontario do hereby certify that:

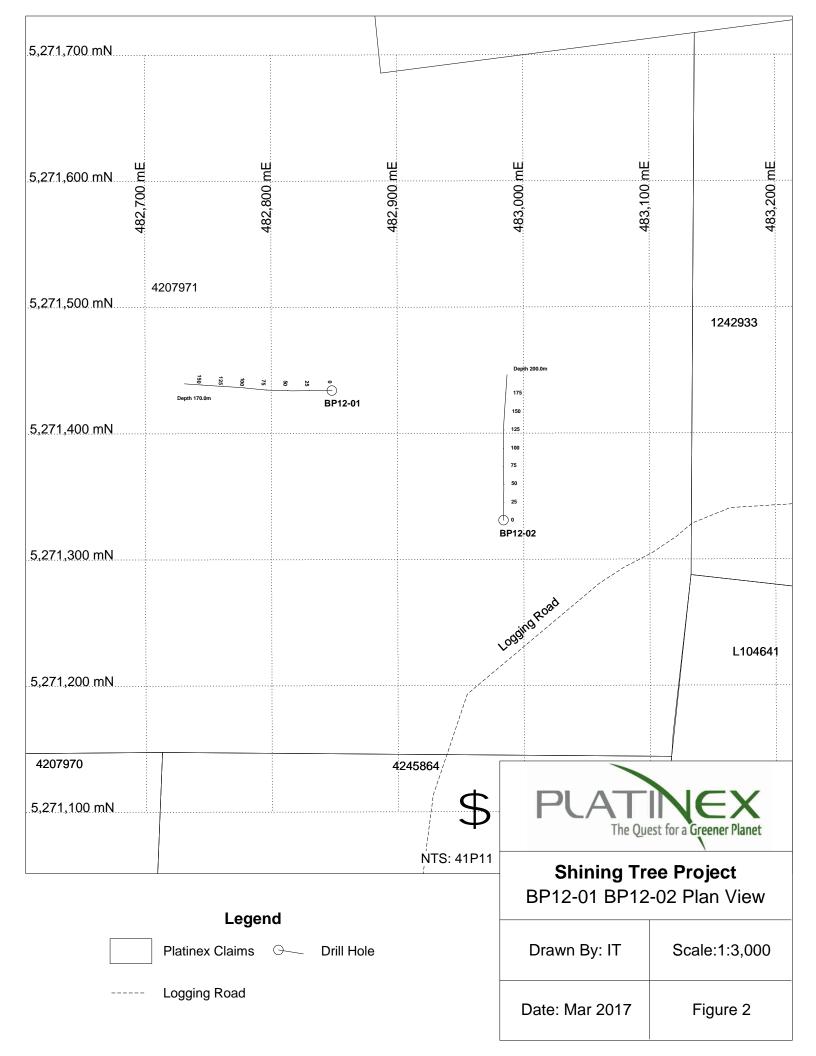
- 1) I am a GIS consultant employed as such by Platinex Inc.;
- 2) I have practiced my profession full-time from 2010 to present;
- 3) I have not received, nor do I expect to receive, any interest, directly or indirectly, in the Shining Tree property;
- 4) As of the date of this certificate, to the best of my knowledge, information and belief, this report contains all scientific and technical information that is required to be disclosed to make the Diamond Drilling Beilby, McBride and Clarke on the Shining Tree Project for Platinex Inc. not misleading;
- 5) I have collaborated with James R Trusler who supervised Diamond Drilling Beilby, McBride and Clarke on the Shining Tree Project for Platinex Inc.;
- 6) I have visited the property once in October of 2011, and twice in March and April of 2012

Dated at Richmond Hill, ON

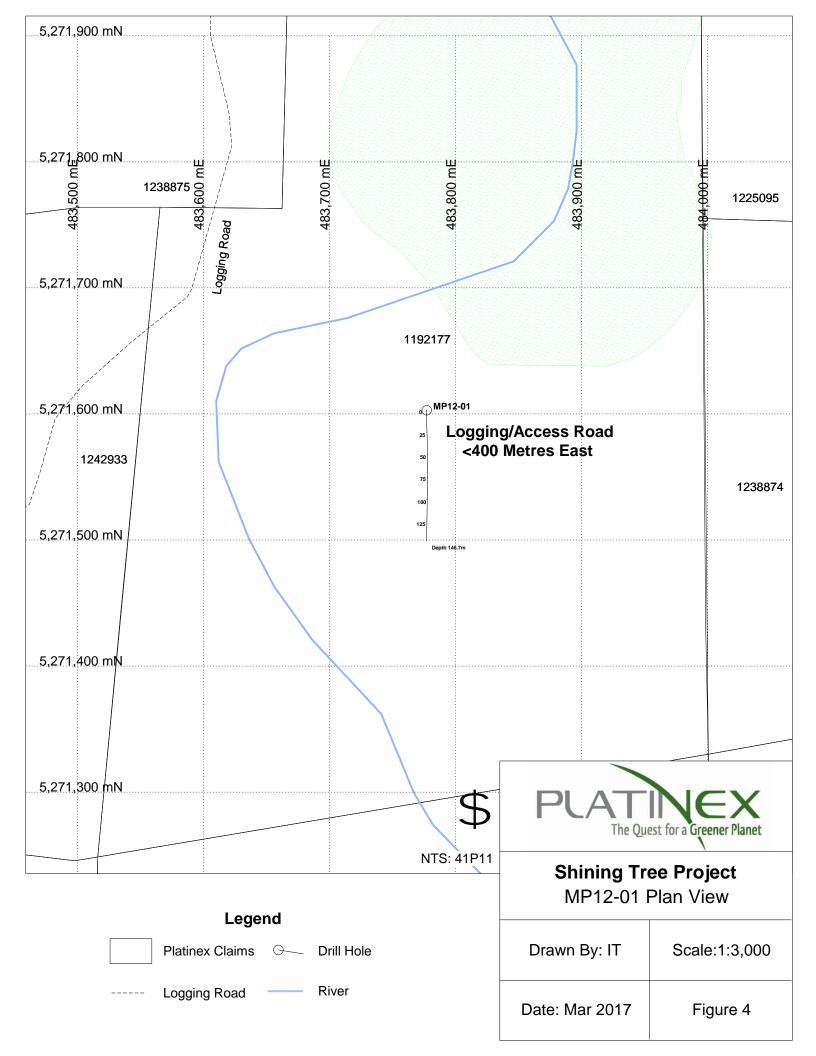
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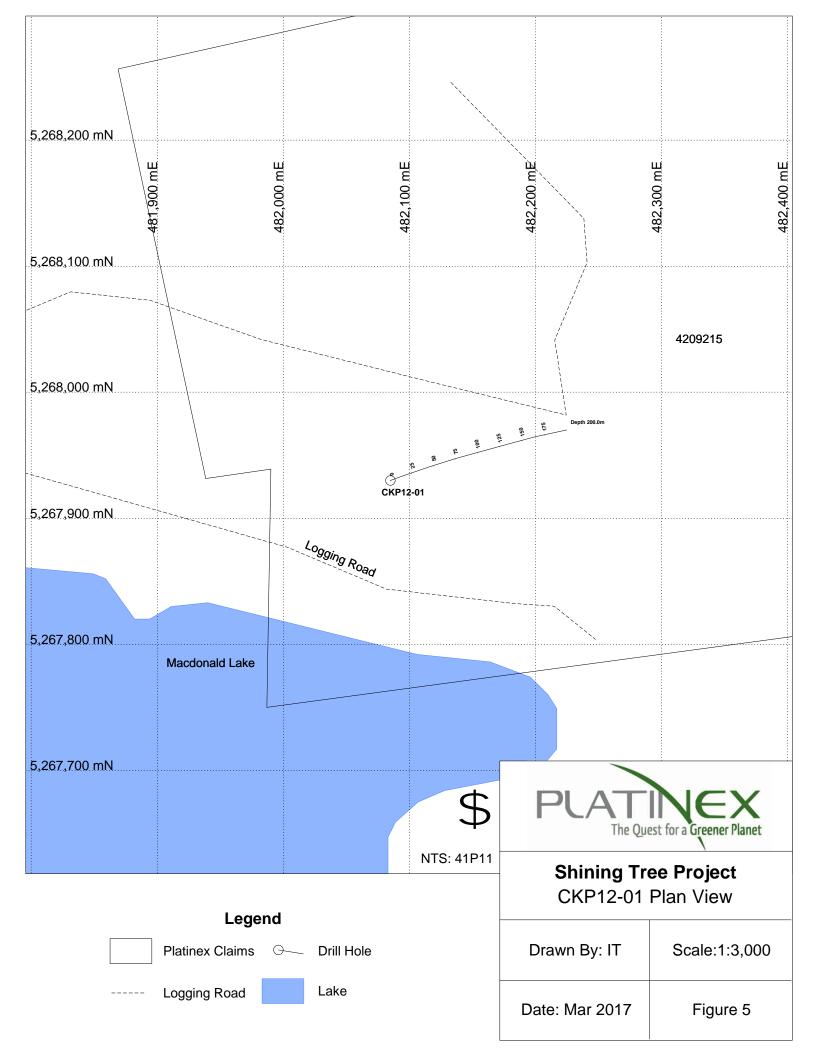
Iain S. Trusler

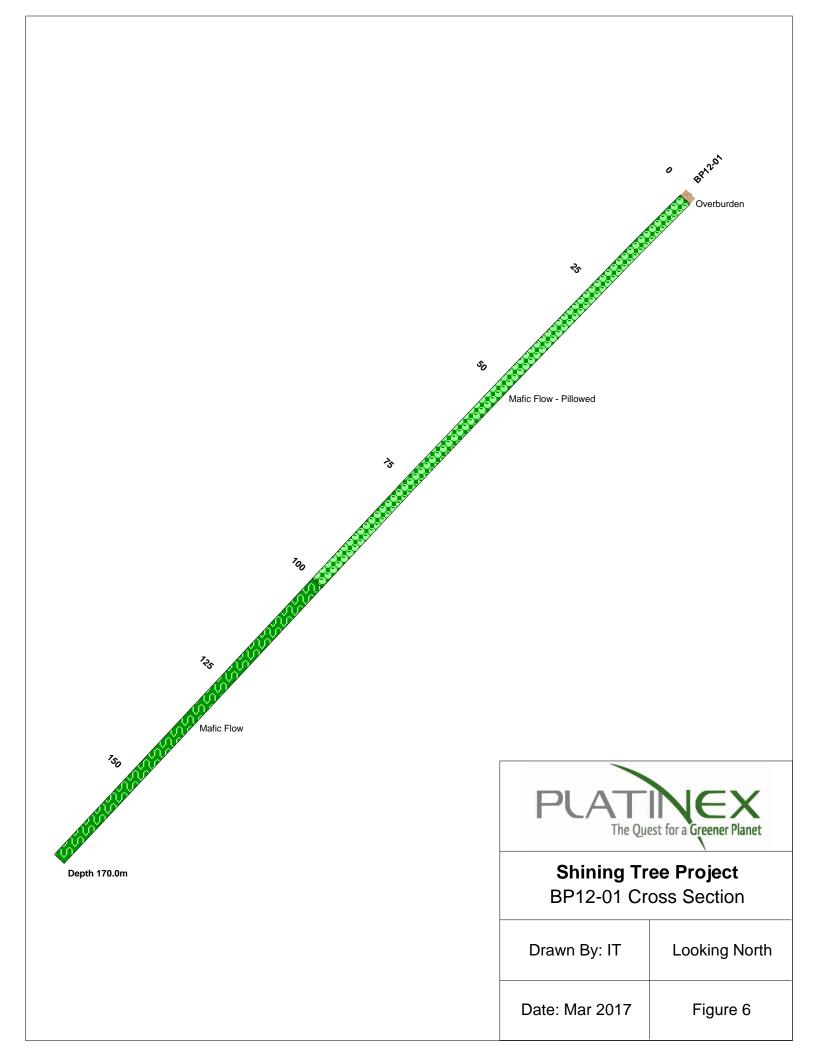




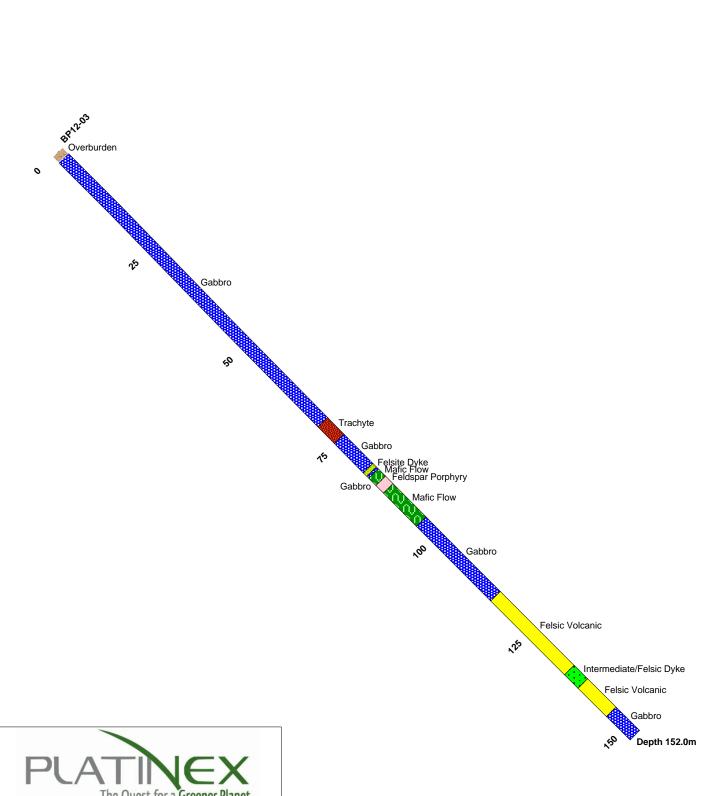








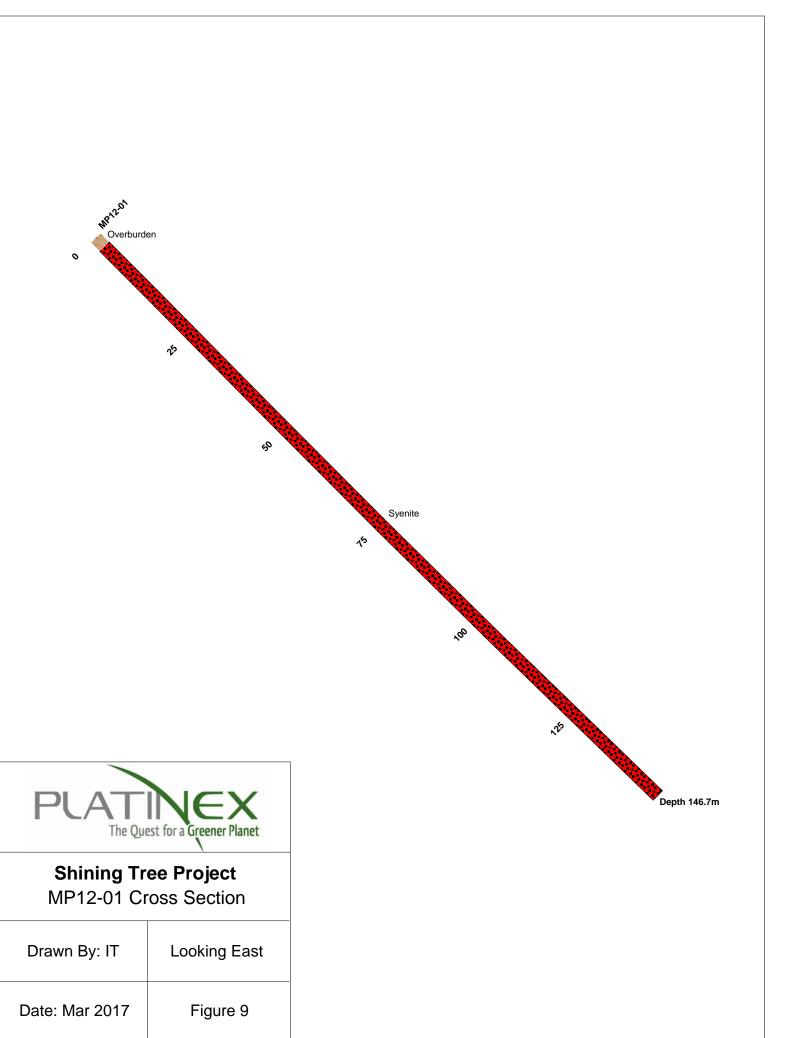


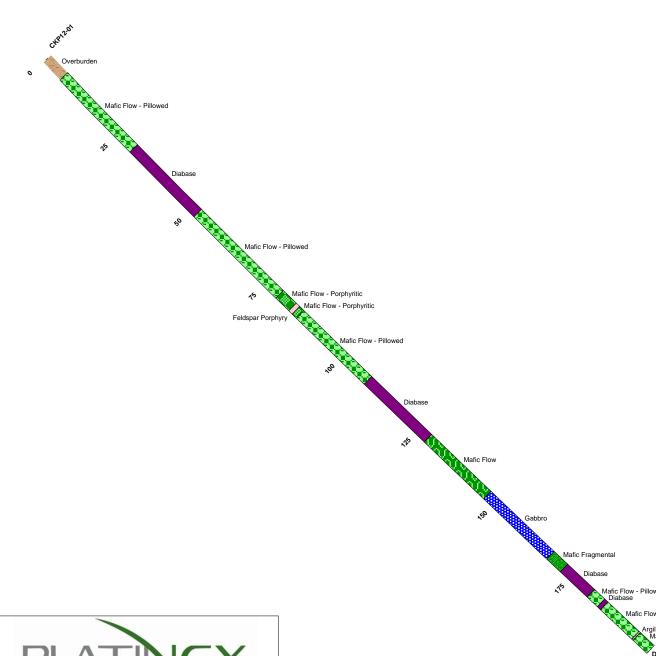




## **Shining Tree Project BP12-03 Cross Section**

Drawn By: IT	Looking East
Date: Mar 2017	Figure 8







## Shining Tree Project CKP12-01 Cross Section

Drawn By: IT	Looking North
Date: Mar 2017	Figure 10

## Appendix I Drill Hole Logs

Grid Coordinates: <u>UTM - NAD83 - Zone 17</u>

N: 5271434 E: 428848

Dip: -45 Elevation: 410 m

Azimuth: 270 Total Depth: 170 m

Core Size: NQ Core Boxes: 40

Target: IP Anomaly in the vicinity of the Beilby Lake Gold Occurrence.

	Down H	ole Tes	sts	
Туре	Depth		Dip	Azimuth
EZ-Shot	30		-45.9	269.70
	60		-46.3	271.90
	90		-46.9	275.70
	120		-46.9	273.60
	150		-46.8	274.20

Downhole azimuth readings have been corrected to true north by subtracting 10.5 degrees from the EZ shot instrument reading.

HOLE#: BP12-01

Page 1 of 3

Date Started: March 21, 2012 (N)

Date Completed: March 22, 2012 (N)

Claim#: 4207971

Contractor: Laframboise Drilling

Logged by: Dean R. Cutting, P.Geo. Sampled by: CXS

De	pth	Rock Type	Description	Struc	ct. cor	e angl	les	Strain	Alteration	on Charac	teristics					Samp	le Assays			
From	То	1 "		S <sub>o</sub>	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t		i	
						T T														
0.00	1.50	Overburden	Casing left in the hole.																	
		OVB	•																	
																			i	
1.50	100.00	Mafic Flow - Pillowed	Medium to dark green colour. Moderately hard. Pillow selveges are locally quite																	
		PMFLOW	evident. Medium to fine grained locally. Amygdules locally notable over short																	
			intervals, may be round or elongate, mostly 2-5 mm diameter but may be up to																	
			1 cm on the long axis. Orientations of the long axes do not seem preferential.																1	
			Most amygdules are carbonate filled and white to beige colour. Unit is moderately																1	
			chloritized. Numerous carbonate, carbonate/quartz, ± epidote veinlets cut the																1	T
			unit. Most are very irregular and vary from hairline to 4 or 5 cm thick, often																1	Ĭ .
			asssociated with pillow selveges. Pyrite is notable in some of the veinlets from																1	T
			trace to 2% as disseminations and semi-massive patches. The carbonate seems																1	Ĭ .
			to be carbonate as opposed to Fe carbonate as the veinlets are white as																	
			opposed to rusty oxidized after sitting exposed to the weather for an extended																	
			period of time. Some of the carbonate has a light pinkish tinge to it. Unit is lightly																	
			to moderately magnetic locally.																,	
																			1	Ī
			Tr - 2+% PY locally in Cabonate veinlets, disseminated to semi-massive patches.										K403818	32.00	33.00	1.00	0.015			
																			,	
			At 36.20 m - 6 cm thick carbonate, chlorite, epidote veinlet with Tr-1%																1	Ī
			disseminated Pyrite with brick red (hematite?) at 20 - 30 ° to core axis.																1	T
			Carbonate, ± quartz, tr epidote, and tr brick red hematite? locally. Tr - 2 % Pyrite										K403819	62.10	63.60	1.50	<0.005		'	
			locally as disseminations and semi-massive patches. Veinlets have variable	_															<u></u> '	
			angles to the core axis.			<u> </u>					_									↓
				-	-	₩	-				<b>!</b>									₩
			At 74.0 m to 75.40 m - Core missing from Box # 18. Total 1.4 m seems to me as	-		1	1				1									₩
	1		if a sample was collected by person or persons unknown ??	+	1	╁	1	<del>                                     </del>	-	1	1							-		+-
				+	l	1	1				1									╁
						t	t			1										t
					1	1	1				1									1
	1					1		1	1	1	1								$\overline{}$	1

Hole # BP12-01

Page 2 of 3

De	pth	Rock Type	Description	Stru	ct. cor	re angle	s	Strain	Alterati	ion Chara	cteristics						Sample A	ssays		
From	To			S.	Fol	Flow	۷n	Intens	Type	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			
100.00	170.00	Mafic Volcanic	Somewhat arbitrarily and gradationally there seems to be a change from the Pillowed Mafic																	
		MFLOW	Volcanic to a more massive Mafic Volcanic Flow. Basically the unit is as above described but																	
			without the pillow selveges quite as evident. The unit is fine to medium grained and massive.																	
			Pyrite seems to be more evident locally as disseminated grains or small masses. Locally																	
			amygdules are notable over short intervals. Irregular fractures are moderately chloritized some																	
			with carbonate ± epidote as well. Generally speaking, not as magnetic as the pillowed unit.																	
			Irregular veinlets and fractures are generally at moderate to high angles to the core axis.																	
			Carbonate is white carbonate not seeming to be Fe carbonate. Pyrite more common in the																	
			unit occurring as dissemonation of grains, blebs, and small masses associated with carbonate																	
			fracture / veinlet systems, and with carbonate as replacement in amygdules. Locally, where the																	
			unit is not epidotized the volcanics are light to moderately carbonatized.																	
			Grey / white carbonate veinlet in a 45° to core axis healed fracture / slip zone.										K403820	107.10	107.40	0.30	< 0.005			
			Epidote / sericite alteration associated. 2 - 3 % Pyrite as irregular masses in the veinlet.																	
			Notable increase in Pyrite content at about 120 m to the end of the hole. Pyrite occurs primarily																	
			as disseminated grains or small masses up to 2 cm diameter locally. Pyrite occurs as well																	
			associated with irregular carbonate veinlets and as semi-massive concentrations in what																	
			almost took like primary bands.																	
			At approximately 122 m or so the concentration of irregular carbonate, chlorite veinlets																	
			decreases somewhat.																	
			Unit Sampling:																	
			Carbonate, chlorite veinlet at high angle to the core axis. 15 - 20 % granular to										K403821	143.05	143.25	0.15	0.036			
			semi-massive pyrite.																	
			Olive coloured mafic volcanic with Tr-3% disseminated pyrite.										K403822	143.25	144.05	0.80	< 0.005			
			Carbonate veinlet at high angle to the core axis. 5 - 7 % disseminated pyrite as grains and blebs.										K403823	144.05	144.30	0.25	0.034			
			·																	

Hole # BP12-01

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From To	To					angle	,3	-train	Alteration	on onare		,,					Sample A	aau y a		
				s.	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			Olive coloured mafic volcanic with Trace - 2 % disseminated pyrite as grains and blebs.										K403824	144.30	144.75	0.45	< 0.005			
			High Au Standard # 17c										K403825	ORE/	AS AU STD #	17c	3.095			
			144.75 m to 145.85 m section notably banded at 50° to 60° to the core axis. Very strong pyrite										K403826	144.75	145.85	1.10	0.070			
			content to semi-massive for a 10 cm section at the bottom of the interval. Someone stole the																	
			section from 145.20 m to 145.65 m in the middle of the interval, likely the best part judging																	
			by the ends that were left. May have been a banded massive sulphide section??																	
			Carbonate/quartz veinlet with grey fine graimed mafic volcanic. Disseminated pyrite to										K403827	149.55	149.95	0.40	0.14			
		•	15 - 20 % locally. Upper contact at 50° to the core axis. Lower contact at 30° to the core axis.																	
		•	Carbonate/quartz/chlorite fracture zone at 30° to the core axis. Strong semi-massive pyrite for										K403828	153.35	154.75	1.40	0.032			
			about a 20 cm section of the core. Trace to 2 % pyrite for the balance of the interval.																	
			Carbonate/quartz/chlorite veinlet system at 30° to the core axis. ± 10 - 15 % disseminated										K403829	155.90	156.15	0.25	0.027			
			and semi.massive pyrite.																	
			From about 157 m or so to the bottom of the hole the unit becomes s bit coarser grained to																	
			medium grained with local finer grained sections. The unit becomes more strongly magnetic																	
			as well. May either be a coarsening of the flow or becoming more of a gabbroic unit.																	
170.00		EOH	End of Hole.																	
		•																		
		•																		
		•																		
		•																		
		•																		
		•																		

#### PLATINEX INC.

#### SHINING TREE PROJECT, ONTARIO -

UTM - NAD83 - Zone 17 Grid Coordinates:

> N: 5271331 E: 482984

-55 Dip: Elevation: 404 m Azimuth: Total Depth: 200 m

Core Size: NQ Core Boxes: 47

Target: IP Anomaly in the vicinity of the Beilby Lake Gold Occurrence.

Down H	h Dip Azii  -55.5 1.  -55.1 35i  -54.9 0.  -54.6 1.  -54.3 4.						
Depth		Dip	Azimuth				
30		1.1					
60		-55.1	358.5				
90		-54.9	0.4				
120		-54.6	1.4				
150		-54.3	4.0				
180		Dip Azir -55.5 155.1 35i -54.9 054.6 154.3 4.					
	Depth 30 60 90 120 150	Depth 30 60 90 120 150	30 -55.5 60 -55.1 90 -54.9 120 -54.6 150 -54.3				

Downhole azimuth readings have been corrected to true north by subtracting 10.5 degrees from the EZ shot instrument reading.

HOLE#: BP12-02

1 of 12

Date Started: 2012-03-23 (D)

Date Completed: 2012-03-24 (D)

Claim#: 4207971

Contractor: Laframboise Drilling

Logged by: Typed by: Dean R. Cutting Sampled by: Bruce Cupskey

lain Trusler

_			Dinti-m	la.				a						Typed by	•	lain Trusle			—
De		Rock Type	Description			re ang		4		on Charac				_			e Assays		
From	To			S。	Fol	Flow	Vn	Intens	Type	Intens	%QCV	%Ру	Sample	From	То	Width	Au g/t		
0.00	2.30	Overburden	Casing left in hole.																
		OVB																	
2.30	14.25	Diabase	Medium to dark green grey mottled finely with grey. Medium to fine grained																
		DIAB	equigranular and massive through the unit. Moderately to strongly																
			magnetic through the unit. Rubbly at the top with short intervals of 'porous'																
			sections with carbonate veinlets dissolved. As at 8.5 to 8.8m depth shot																
			with a fine stockwork of carbonate, quartz carbonate plus or minus																
			epidote veinlets from hairline to 0.75 cm thick. Greenish chloritic material																
			along the walls in some of the thicker veinlets. A few veinlets noted																
			on a 'preferred' orientation of plus or minus 35 degrees to the core axis.																
			Only trace sulphides, pyrite noted occasionally. Lower unit contact is																
			sharp at 55 degrees to core axis, xenolits of volcanics in diabase near																
			the contact. But contact neither chilled or cooked No sampling in unit																
14.25	25.80	Mafic Flow	Fine grained, equigranular, massive though heavily veined with a																
		MFLOW	stockwork of fine carbonate, quartz carbonate, and epidote veinlets.																
			Medium to dark green in colour. Rubbly in sections with rusty fractures,																
			may be partially due to dissolution of some of the carbonate veinlets.																
			Sparse disseminatated pyrite through the unit, as well as in association																
			with some of the carbonate, quarts, and epidote veinlets. Some of the																1
			veinlets are fine "ladder type" breccia infills. Some of the carbonate																
			has a pinkish tinge. Lower contact (30cm) rubbly and more on colour and																1
			grain size variance.																1
			Unit Sampling																
		<u> </u>	Rubbly section with poor recovery, Trace pyrite, Trace quartz carbonate										K403551	17.00	18.00	1.00	<0.005		
			veinlets.																
			Trace pyrite locally with quartz carbonate veinlets		1								K403552	18.00	19.00	1.00	< 0.005		
			Trace pyrite with stronger quartz carbonate stockwork veinlets, pink	_	1	_							K403553	19.00	20.00	1.00	< 0.005		<b></b>
			carbonate locally.	4—	1	1	<u> </u>						1440055	00.00	04.00	4.00	0.00-		
			Trace pyrite with light quartz carbonate veinlets.	4—	1	1	<del>                                     </del>						K403554	20.00	21.00	1.00	<0.005		
25.00	36.25	Gabbro	Market and the Color of the Col	+-	1	₩	₩	-	<b>.</b>		-					-		-	 $\vdash$
25.80	30.25	GAB	Maybe a coarse grained flow. Colour more of a medium grey green than		╂—	+	₩			1	-								$\vdash$
		GAB	the dark green of the mafic volcanics above. Coarser to medium grained		1	1	L												

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Dep	pth	Rock Type	Description	Struc	ct. cor	e angl	es	Strain	Alterati	on Chara	acterist	ics				5	Sample A	ssays		
From	To			S。	Fol	Flow	Vn	Intens	Type	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			
			relatively equigranular throughout. Generally massive with no typical primary																	
			volcanic textures evident. Strong fine beige "leucoxene" xtals easily notable to																	
			several percent. 'Patchy' disseminated pyrite locally notable to 1-2% sulphides as																	
			grains or small masses. Fractures are generally sharp and filled with carbonate																	
			plus or minus chlorite and epidote. Stockwork veinlets are locally 'offset' up to a																	
			couple of centimetres. Towards the bottom of the unit, starts to develop a locally																	
			yellowish tinge from light sericite?																	
			31.75 - 32.60 Flooded quartz breccia zone with 60+% quartz fragments. One																	
			carbonatized/ sericitized moderately to strongly. Pyrite is strong 3-5% as granular																	
			masses. Quartz may have several phases as there are both white and grey																	
			versions with trace ammounts of tourmaline? Basically in strain noted in the walls																	
			of the veinlet, seems to be a brittle break. Seems to lie at 50 to 60 degree to																	
			core axis.																	
			Unit Sampling																	
			Irregular quartz carbonate veinlets with trace disseminated pyrite in veinlets and										K403555	26.00	27.00	1.00	< 0.005	5		
			rock.																	
			Irregular quartz carbonate veinlets with trace disseminated pyrite in veinlets and										K403556	27.00	28.00	1.00	< 0.005	5		
			rock.																	
			Irregular quartz carbonate veinlets with trace disseminated pyrite in veinlets and										K403557	28.00	29.00	1.00	< 0.005	5		
			rock.																	
			Irregular quartz carbonate veinlets with trace disseminated pyrite in veinlets and										K403558	29.00	30.00	1.00	< 0.005	5		
			rock.																	
			Irregular quartz carbonate veinlets with trace disseminated pyrite in veinlets and										K403559	30.00	31.00	1.00	< 0.005	5		
			rock.																	
			Irregular quartz carbonate veinlets with trace disseminated pyrite in veinlets and										K403560	31.00	31.75	0.75	0.009			
			rock.																	
			See description of quartz flood zone in unit.			Ш							K403561		32.60		0.036			
			As above the quartz flood zone.			Ш							K403562		33.60	1.00				
			As above the quartz flood zone.			Ш							K403563		34.60	1.00				
			As above the quartz flood zone.			Ш							K403564		35.45	0.85				
			As above the quartz flood zone.										K403565	35.45	36.25	0.80	0.009			
				<u> </u>		Ш														
						Ш														

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De	pth	Rock Type	Description	Struc	ct. cor	e ang	les	Strain	Alterat	ion Char	acterist	tics				S	ample A	ssays		
From	To			S。	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Py	Sample	From	То	Width	Au g/t			
36.25	38.80	Mafic Volcanics	Sliver of mafic volcanics between the gabbro and felsic volcanics below. Basically																	
		MFLOW	similar to the mafic volcanic unit above the gabbro except starting to show some																	
			sericite alteration (yellow/green) as patches along fractures. Some pink carbonate																	
			noted in some veinlets. Unit is medium to dark green in colour, fine to medium grained																	
			and essentially non-magnetic. Quartz carbonate and quartz carbonate breccia																	
			veinlets up to 2cm are notable. Broken in brittle fracture but not really foliated.																	
			Light to medium sericitization on fractures. Locally strong disseminated pyrite as																	
			grains or small masses up to 5%. Lower contact over 5cm, though relatively sharp																	
			with intermixed pieces, high angle to core axis. Locally some veinlets running at plus																	
			or minus 45 degrees to core axis, may or may not be significant.																	
			Unit Sampling																	
			Trace to 2% pyrite associated with fractures and quartz carbonate veinlets, locally										K403566	36.25	37.00	0.75	< 0.005			
			disseminated grains or small masses																	
			Trace to 2% pyrite associated with fractures and quartz carbonate veinlets, locally										K403567	37.00	38.00	1.00	0.006			
			disseminated grains or small masses																	
			Trace to 5% pyrite disseminated locally										K403568	38.00	38.80	0.80	0.018			
38.80	41.90		Fine to medium grained, yellow green (sericite) colour, massive and equigranular unit																	
		FFLOW	Relatively hard unit. Non-magnetic. Shot with stockwork of carbonate and quartz																	
			carbonate veinlets with pyrite associated. Sulphides (pyrite) usually along fractures																	
			or as small masses up to a cm or so along healed fractures. Do not believe this																	
			section is 'strained' more on a basis of irregular brittle fracture. Trace to 3%																	
			sulphides locally.																	
			Unit Sampling																	
			Trace to 3% pyrite locally with quartz carbonate veinlets and 'pods' or healed										K403569	38.80	40.35	1.55	< 0.005			
			fractures																	
			Trace to 3% pyrite locally with quartz carbonate veinlets and 'pods' or healed										K403570	40.35	41.90	1.55	< 0.005			
			fractures																	
41.90	43.15	Gabbro	Unit basically the same as the gabbro unit above (25.8m - 36.25m). 10cm upper																	
		GAB	contact a mix with the felsic volcanics, lower contact is sharp but irregular. Very																	
			strong disseminated pyrite as grains or small masses up to 5% or better locally.																	

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De	pth	Rock Type	Description	Stru	ct. co	re ang	les	Strain	Alterati	ion Char	acterist	tics					Sample A	ssays		
From	To			S。	Fol	Flow	/ Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			Becoming sericitized with a yellowish tint developing near the margins and along																	
			some of the fractures. Irregular quartz carbonate or carbonate veinlets in stockwork																	
			are common. Strong beige "leucoxene" specking is notable																	
			Unit Sampling																	
			Up to 5% disseminated pyrite and quartz carbonate or carbonate veinlets through										K403571	41.90	43.15	1.25	0.012			
			interval																	
43.15	85.80	Felsic Volcanic	Fine to medium grained, relatively massive equigranular unit. On the felsic end of																	
		FFLOW	the scale but not apparently as hard as a rhyolite, more dacitic - rhyolitic unit																	
			composition. Striking light to medium yellow-green colour. Moderately sericitized																	
			weaker to stronger locally. Fine stockwork of hairline to 2cm carbonate and quartz																	
			carbonate veinlets throughout. Looks as if shattered and healed. Unit can't be																	
			scratched with steel pin where less sericitized. Unit contains trace to 3% locally																	
			disseminated pyrite in blebs, disseminated xtals, associated with fractures and																	
			veinlets. Very little for primary volcanic textures. No notable strain in the unit, more																	
			brittle fracture likely. Unit is non-magnetic. This unit is likely the chargeability																	
			anomaly.																	
			Unit Sampling																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as grains, small										K403572	43.15	44.15	1.00	< 0.005			
			masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as grains, small										K403573	44.15	45.10	0.95	0.007			
			masses or with veinlets.																	
			Brecciated quartz carbonate veinlets with pink carbonate, white and grey quartz										K403574	45.10	46.35	1.25	0.014			
			trace to 3% granular pyrite.																	
			Low Au Standard # 65a										K403575	STD OR	EAS 65a	0.00	0.494			
			Brecciated quartz carbonate veinlets with pink carbonate, white and grey quartz										K403576	46.35	47.00	0.65	0.007			
			trace to 3% granular pyrite.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403577	47.00	48.50	1.50	0.005			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403578	48.50	50.00	1.50	0.005			
			grains, small masses or with veinlets.																	

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Dep	pth	Rock Type	Description	Struc	ct. cor	e angl	es	Strain	Alteration	on Chara	cteristi	cs					Sample A	ssays		
From	To			So	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403579	50.00	51.50	1.50	< 0.005			
			grains, small masses or with veinlets.																	ĺ
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403580	51.50	53.00	1.50	< 0.005			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403581	53.00	54.50	1.50	< 0.005			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403582	54.50	56.00	1.50	< 0.005			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403583	56.00	57.50	1.50	< 0.005			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403584	57.50	59.00	1.50	0.011			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403585	59.00	60.50	1.50	< 0.005			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403586	60.50	62.00	1.50	0.008			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403587	62.00	63.50	1.50	0.01			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403588	63.50	65.00	1.50	0.012			
			grains, small masses or with veinlets.																	
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403589	65.00	66.50	1.50	0.005			<u> </u>
			grains, small masses or with veinlets.																	<u> </u>
			Quartz carbonate veinlet stockwork with trace to 3% pyrite locally as disseminated										K403590	66.50	68.00	1.50	0.01			
			grains, small masses or with veinlets.																	
																				1
			74 to 85.8m Picking up patches of pinkish felsic volcanics, what is likely the																	
			original colour before sericitization to yellow green. Boundaries between the pink																	
			sections and yellow-green can be sharp or like 'clouds'. Cracks in the 'pink' felsic	<u> </u>																
			volcanics are often showing sericite alteration along them. Quartz carbonate	<u> </u>																
			veinlets with pyrite grans and masses permiate both types of felsics. Sulphide																	<u> </u>
			pyrite present at trace to 3% locally as disseminated grains or small masses through	<u> </u>																
			the unit and/or associated with the stockwork veins.																	
				<u> </u>																
																				<u></u>

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De	pth	Rock Type	Description	Stru	ct. cor	re ang	les	Strain	Alterat	ion Char	acterist	tics	Sample Assays										
From	To			So	Fol	Flow	۷n	Intens	Type	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t						
			Unit Sampling Continued																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403591	68.00	69.50	1.50	0.018						
			grains, small masses or with veinlets.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403592	69.50	71.00	1.50	0.005						
			grains, small masses or with veinlets.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403593	71.00	72.50	1.50	0.015						
			grains, small masses or with veinlets.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403594	72.50	74.00	1.50	0.005						
			grains, small masses or with veinlets.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403595	74.00	75.50	1.50	0.005						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403596	75.50	77.00	1.50	0.011						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403597	77.00	78.50	1.50	0.006						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403598	78.50	80.00	1.50	< 0.005						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403599	80.00	81.50	1.50	< 0.005						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
			Au Standard # 61d										K403600										
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403601	81.50	83.00	1.50	0.008						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403602	83.00	84.50	1.50	0.009						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
			Quartz carbonate veinlets stockwork with trace to 3% pyrite locally as disseminated										K403603	84.50	85.80	1.30	0.008						
			grains, small masses or with veinlets. Starting to pick up some pink material.																				
85.80	137.20		Basically the same felsic volcanics as above described but the yellow-green	1	<u> </u>	1				I	<u> </u>	<u> </u>											
		FFLOW	sericite alteration is not as strongly developed, occurring more in patches over	1	<u> </u>	1				I	<u> </u>	<u> </u>											
			a few metres and along fractures in a more pickish version of the felsic volcanic				<u> </u>																
			unit. The unit is still fine to medium grained, very hard as a general rule. Non-				<u> </u>																
			magnetic. Still hosting a fine stockwork of quartz carbonate, carbonate, and sericite				<u> </u>																
			veinlets from hairline to several cm in thickness. Pyrite is variably present through		<u> </u>																		
			the unit from trace to 3% locally as grains, small masses or associated with the																		<u> </u>		

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Depth To		Rock Type	Description	Struc	t. cor	re angl	es	Strain	Alterati	eration Characteristics			Sample Assays										
From	To			So	Fol	Flow	۷n	Intens	Type	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t						
			fracture / veinlet systems. Other than the odd breccia piece, not much notable for																				
			primary textures. The colour variance would believe to be a question of variable																				
			alteration overprinting, as opposed to a primary textural feature. Unit appears to be																				
			more 'brittle fractured' than strained.																				
			Unit Sampling																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403604	85.80	87.00	1.20	0.009						
			volcanic. Trace to 3% pyrite locally (rubbly locally)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403605	87.00	88.00	1.00	0.006						
			volcanic. Trace to 3% pyrite locally (rubbly locally)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403606	88.00	89.00	1.00	< 0.005						
			volcanic. Trace to 3% pyrite locally (rubbly locally)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403607	89.00	90.50	1.50	0.006						
			volcanic. Trace to 3% pyrite locally (rubbly section)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403608	90.50	92.00	1.50	0.005						
			volcanic. Trace to 3% pyrite locally (stronger quartz fracture system, breccia)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403609	92.00	93.50	1.50	0.012						
			volcanic. Trace to 3% pyrite locally (bottom third more pinkish)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403610	93.50	95.00	1.50	0.013						
			volcanic. Trace to 3% pyrite locally (top third more pinkish)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403611	95.00	96.50	1.50	0.006						
			volcanic. Trace to 3% pyrite locally (strong sericitization)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403612	96.50	98.00	1.50	0.01						
			volcanic. Trace to 3% pyrite locally (strong sericitization)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403613	98.00	99.50	1.50	0.009						
			volcanic. Trace to 3% pyrite locally (strong sericitization)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403614	99.50	100.50	1.00	0.008						
			volcanic. Trace to 3% pyrite locally (weaker sericitization along fractures)																				
_			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403615	100.50	101.60	1.10	0.065						
			volcanic. Trace to 3% pyrite locally (pink volcanics with weak sericite alteration,																				
			chloritized on some of the fractures, high angle to core axis.)																				
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403616	101.60	103.00	1.40	0.018						
			volcanic. Trace to 3% pyrite locally (weaker sericitization along fractures pink volc)																				

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Dep	pth	Rock Type	Description	Struc	ct. cor	e angl	es	Strain	Alteration	on Chara	cteristi	cs					Sample A	ssays		
From	To			So	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403617	103.00	104.00	1.00	0.008			
			volcanic. Trace to 3% pyrite locally (weaker sericitization along fractures pink volc)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403618	104.00	105.50	1.50	0.009			
			volcanic. Trace to 3% pyrite locally (weaker sericitization along fractures pink volc)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403619	105.50	107.00	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (weaker sericitization along fractures pink volc)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403620	107.00	108.50	1.50	0.006			
			volcanic. Trace to 3% pyrite locally (Strong sericitization, olive green colour)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403621	108.50	110.00	1.50	0.016			
			volcanic. Trace to 3% pyrite locally (Strong sericitization, olive green colour)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403622	110.00	111.50	1.50	0.005			
			volcanic. Trace to 3% pyrite locally (Patchy sericitization along veinlets and fracture)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403623	111.50	113.00	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (Patchy sericitization along veinlets and fracture)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403624	113.00	114.50	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (Patchy sericitization along veinlets and fracture)																	
			Blank										K403625	BLA			< 0.005			
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403626	114.50	116.00	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (Patchy sericitization along veinlets and fracture)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403627	116.00	117.50	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (Patchy sericitization along veinlets and fracture)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403628	117.50	119.00	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (Patchy sericitization along veinlets and fracture)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403629	119.00	120.50	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (Sericite increasing intensity)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403630	120.50	122.00	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (moderate and light sericite with fractures)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403631	122.00	123.50	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (moderate and light sericite with fractures)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403632	123.50	125.00	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (moderate to light sericite with fractures)																	
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403633	125.00	126.50	1.50	< 0.005			
			volcanic. Trace to 3% pyrite locally (Light sericite with fractures)	1																
						<u> </u>														<u></u>

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De	pth	Rock Type	Description			e ang	les	Strain	Alterati	eration Characteristics			Sample Assays									
From	То			So	Fol	Flov	v Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t					
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic	l									K403634	126.50	128.00	1.50	< 0.005					
			volcanic. Trace to 3% pyrite locally (Light sericite with fractures)																			
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403635	128.00	129.50	1.50	< 0.005					
			volcanic. Trace to 3% pyrite locally (Light to moderate sericite with fractures)																			
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403636	129.50	131.00	1.50	< 0.005					
			volcanic. Trace to 3% pyrite locally (moderate to strong sericite with fractures and																			
			patches in pink felsic volcanics)																			
			Quartz carbonate or carbonate veinlets in stockwork with sericite in pinkish felsic										K403637	131.00	132.50	1.50	< 0.005					
			volcanic. Trace to 3% pyrite locally (moderate to strong sericite with fractures and																			
			patches in pink felsic volcanics)																			
			At about 132.5m unit starting to exibit some poorly to moderately developed strain																			
			at 45 to 55 degrees to the core axis. Rubbly zone with (kaolin (white powder) in																			
			fracture) at about 133.3 to 133.5m Some of the fragments have a bit of a quartz																			
			carbonate veinlets in them. No sulphides noted. Foliation drops off to not notable at																			
			about 137.2m at the same time as the yellow area sericization drops significantly in																			
			intensity.																			
			Unit Sampling																			
			Moderate to strong sericitation in felsic volcanics, trace to 1% pyrite as										K403638	132.50	134.00	1.50	< 0.005					
			disseminated grains, still stockwork of quartz carbonate.																			
			Moderate to strong sericitation in felsic volcanics, trace to 1% pyrite as										K403639	134.00	135.20	1.20	< 0.005					
			disseminated grains, still stockwork of quartz carbonate.																			
			Moderate to strong sericitation in felsic volcanics, trace to 1% pyrite as										K403640	135.20	136.20	1.00	< 0.005					
			disseminated grains, still stockwork of quartz carbonate.																			
			Moderate to strong sericitation in felsic volcanics, trace to 1% pyrite as										K403641	136.20	137.20	1.00	< 0.005					
			disseminated grains, still stockwork of quartz carbonate.																			
			Probable end of felsic volcanic unit.																			
137.20	150.00	Diabase	Massive, medium to dark grey green colour, equigranular for the most part. Very uniform																			
		DIAB	looking with magnetics varying from light to strong going trom top to bottom of the																			
			unit. Irregular stockwork of carbonate and epidote, specular hematite (locally)																			
			through the unit. Contacts relatively sharp at high angles to the core axis. Contacts																			
			more assigned on textural and colour differences between this unit and those																			

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De	pth	Rock Type	Description	Stru	ct. cor	re an	gles	Strain	Alterat	ion Chara	acterist	ics					Sample A	ssays		
From	To			So	Fol	Flo	w Vn	Intens	Type	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			
			above and below. Only an occasional speck of pyrite noted locally through the unit																	
			Unit Sampling																	
			Upper contact sampling to close felsic unit samples										K403642	173.20	138.70	1.50	< 0.005			
			Lower contact sampling										K403643	148.50	150.00	1.50	< 0.005			
150.00	158.65	Gabbro	Unit similar to unit above but a little more felsic in composition, a bit lighter gey green																	
		GAB	colour, less magnetic (more spotty, to moderate), more quartz carbonate, carbonate																	
			veinlets notable and trace to 2% disseminated pyrite noted through the unit. Unit is																	
			medium to coarse grained, maybe 60/40 feldspar to mafics in modal composition.																	
			There are a few chloritic 'xenoliths' up to a couple cm in size floating around in the																	
			matrix. From 158m to the bottom of the unit there is some notable strain (foliation)																	
			lightly to moderately developed at 60 to 70 degrees to the core axis, more intense																	
			at the lower unit contact. Lower unit contact gradational over 10cm with small																	
			fragments of the unit below dragged into this unit. Very little notable for primary																	
			features. Irregular quartz carbonate, and carbonate veinlets are notable through																	
			the unit, only occasionally a speck of pyrite is noted in associaion.																	
			Unit Sampling																	
			Top contact with trace pyrite										K403644	150.00	151.50	1.50	< 0.005			
			15 cm thick pinish carbonate breccia veinlet with 2-4% disseminated pyrite, crosscut										K403645	156.00	156.50	0.50	< 0.005			
			by white carb veinlet, zone at around 60 degrees to core axis, white carb veinlet																	
			0.5cm, around 30 degrees to core axis.																	
			Quartz carbonate veinlets with trace pyrite, trace to 2% disseminated pyrite locally										K403646	156.50	158.00	1.50	< 0.005			
			Quartz carbonate veinlets with trace pyrite, trace to 2% disseminated pyrite locally										K403647	158.00	158.65	0.65	< 0.005			
158.65	171.75	Felsic to Inter-	Mixed pyroclastic unit with beds of lapilli tuff interbedded with ash tuff. Some of																	
		mediate pyro-	the lapilli fragments can be up to 10 to 15cm. Some of the ash beds can be up																	
			to 2m thick or so. Some of the lithic fragments are xtals or 'lathlike' and altered to a	1	1	1	1	1	<u> </u>	<u> </u>		<u> </u>								
		FTUFF	metallic' green like mariposite locally. The 'fabric' in the rock seems to be between	1		1_		1		1										
			50 to 60 degrees to core axis. Variable in colour from medium grey to beige mottled.																	
			Unit is non-magnetic. Unit variably carbonatized from weak to strong locally. Unit																	
			shot with quartz carbonate or carbonate veinlets. The entire unit is strongly pyritic																	
			usually as disseminated grains or small masses or with fractures and veinlets,																	

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De	pth	Rock Type	Description	Struc	t. core	angles	6	Strain	Alteration	on Chara	cteristi	cs					Sample As	ssays			
From	То			So	Fol	Flow \	/n	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t				
			locally can be over 10 %.													İ		İ	Ï	Î	
			Unit Sampling																		
			Sericitized felsic pyroclastic, quartz carbonate veinlets with trace to 2% pyrite										K403648	158.65	159.95	1.30	0.005				
			Sericitized felsic pyroclastic, quartz carbonate veinlets with trace to 2% pyrite										K403649	159.95	160.75	0.80	0.009				
			Low Au Standard #65a										K403650	STD OR	EAS 65a	0.00	0.523				
			Sericitized felsic pyroclastic, quartz carbonate veinlets with trace to 2% pyrite										K403651	160.75	161.60	0.85	0.018				
			(10 cm pink carbonate veinlet with 3% pyrite at high angle to core axis)																		
			Ash with 3-5% disseminated pyrite										K403652	161.60	162.75						
			Ash with 5-10% disseminated pyrite										K403653	162.75							
			Ash with 5-10% disseminated pyrite										K403654	163.95	165.45	1.50	< 0.005				
			Lapilli tuff with 2-4% pyrite										K403655	165.45	166.45	1.00	< 0.005				
			Lapilli tuff with 2-4% pyrite										K403656	166.45	167.40	0.95	< 0.005				
			Ash with 5-10% disseminated pyrite										K403657	167.40		0.90					
			Lapilli tuff with 2-3% pyrite, flecks of fuchite										K403658	168.30	169.45						
			Lapilli tuff with 2-3% pyrite, flecks of fuchite (Fragments of 4cm carbonate veinlet)										K403659	169.45	170.60	1.15	< 0.005				
			Lapilli tuff with 2-3% pyrite, flecks of fuchite										K403660	170.60	171.75	1.15	< 0.005				
171.75	182.40	Intermediate	Medium to fine grained, medium to dark green in colour. Variably magnetic from																		
		to Mafic	weak to strong locally. Relatively hard unit. Unit is rubbly from 175.25 to 179.5m																		
		Volcanics	locally over sections, may be a fault influence but no gouge noted anywhere. Shot																		<u> </u>
		MFLOW	with fine carbonate veinlets but very little pyrite noted anywhere																		
			179.5 to 182m Stockwork of carbonate veinlets with red amorphous mineral																		
			relatively soft, scratches with steel needle, scratch powder red may be either																		
			hematite or cinnabar? (should look into closer) May have an orientation of 35																		
			degrees to core axis. There are small masses of pyrite associated with the veinlets.																		
			Really suspect hematite.																		
			Unit Sampling																		
			Contact with pyroclastics above										K403661	171.75	73.00						
			Stockwork, described above.										K403662	179.50	180.50	1.00	< 0.005				
182.40	185.15	Diabase	Medium green grey colour, medium to fine grained, equigranular and massive.																		
		DIAB	Essentially non-magnetic. Shot with irregular stockwork of carbonate/epidote			Ш															

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De	pth	Rock Type	Description	Stru	ct. cor	e ang	gles	Strain	Alterat	ion Chara	acterist	ics					Sample A	ssays		
From	To			So	Fol	Flov	w Vn	Intens	Type	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			
			veinlets from hairling to 0.5cm thick. Contacts sharp at 40 degrees to core axis																	
			No sampling of unit																	
185.15	195.10	Trachyte	Medium to fine grained, green with a pinkish tinge to almost black locally. Very hard																	
		TRACH	and brittle fracturing. Fragments noted locally up to about a cm in size, chloritized.																	
			Strongly magnetic throughout. Locally patches are epidotized as well as along some																	
			of the fractures. Shot with stockwork of carb veinlets. Very little to no sulphides																	
			noted anywhere.																	
			Unit Sampling																	
			Stockwork of carbonate veinlets, some pinkish tinges, trace pyrite										K403663							
			Stockwork breccia of carbonate veinlets, white with some chlorite, trace pyrite										K403664	194.50	195.00	0.50	< 0.005			
195.10	198.25	Diabase	Fine to medium grained, massive and equigranular. Medium to dark grey in colour.																	
		DIAB	Moderately to strongly magnetic throughout. Occasional carbonate/ epidote veinlets.																	
			Contacts are sharp, upper is at 40 degrees to core axis, lower is irregular with a																	
			half cm thick chill. Overall non-descript as a unit.																	
198.25	200.00	Trachyte	As above described 185.15 to 195.10m.																	
		TRACH																		
200.00		EOH	End of Hole																	
						1														
				1		1		1				<u> </u>								1
						_														

Core Size:

Grid Coordinates: <u>UTM - NAD83 - Zone 17</u>

Core Boxes:

N: 5270976 E: 482983

36

Dip: -45 Elevation: 401 m

Azimuth: 180 Total Depth: 152 m

Target: IP Anomaly in the vicinity of the Beilby Lake Gold Occurrence.

NQ

	Down Ho	le Tests	
Туре	Depth	Dip	Azimuth
EZ-Shot	30	-45.8	181.50
	60	-45.5	180.60
	90	-45.2	180.90
	120	-45.0	182.60
	150	-44.8	183.10

Downhole azimuth readings have been corrected to true north by subtracting 10.5 degrees from the EZ shot instrument reading.

HOLE#: BP12-03

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Date Started: March 24, 2012 (N)

Date Completed: March 25, 2012 (D)

Claim#: 4245864 (Collar) & 1217520 (at Depth)

Contractor: Laframboise Drilling

Logged by: Dean R. Cutting, P.Geo. Sampled by: CXS

De	pth	Rock Type	Description	Struc	t. cor	e angle	es	Strain	Alteration	on Charac	teristics	5				Samp	le Assays				
From	То			S <sub>o</sub>	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t				T
																					1
0.00	1.50	Overburden	Casing left in the hole.	1																	1
		OVB		1																	1
				1																	1
1.50	70.05	Gabbro	Very monotonous looking intrusive unit. Medium grey to grey-green colour.																		1
		GAB	Massive and generally equigranular, medium to fine grained locally. Moderately	1																	1
			to strongly magnetic throughout the unit. The top 5 m or so of the unit is quite																		1
			rubbly. No evidence noted of primary volcanic textures. Locally fine beige laths																		1
			of leucoxene notable as in the vicinity of 16 m. Locally the feldspar has a pinkish	1																	t
			tinge though most often whitish colour. Numerous carbonate stringers are																		1
			notable usually white or grey but occasionally with a pinkish tinge. Patchy light																		1
			epidote noted. Veinlets are irregularly oriented and from hairline to a few	1																	t
			centimetres thick. Occasional sections with disseminated pyrite as grains																		1
			through the unit. Unit lightly to moderately chloritized.																		1
																					1
			In the vicinity of 28 m, extensional fine "ladder" veinlets are noted associated																		1
			with a 2 cm thick carbonate veinlet.	1																	t
																					1
			Unit "fines" notably below 49.6 m, turns more greenish than grey and starts to																		1
			more resemble a mafic volcanic. No real contact noted, so likely a fining of the																		1
			intrusion.																		
																					1
			51.90 m to 52.75 m is a healed up brecciated fracture zone at about 45° to the										K403830	51.90	52.75	0.85	0.179				1
			core axis. Locally pinkish tinged but primarily grey-green in colour.	1																	1
			Carbonate/quartz flooding, trace hematite and 2% to 4% disseminated pyrite as																		
			grains or small blebs.																		
																				<u> </u>	ــــــ
				4—							1									ــــــ	₩
70.05	74.40	Trachyte	Medium grained, massive and relatively equigranular though fines a bit locally.	_							1									ـ—	₩
		TRACH	Typical trachyte unit. Greenish with a pinkish tinge in colour. Moderately	+						-	1									├──	₩
			magnetic. Local irregular white to pink carbonate or carbonate/quartz veinlets	+					-	<del>                                     </del>	1							-		<del></del>	+
			hairline to 4 mm thick. Upper contact at ±60° to core axis, relatively sharp with pinkish carbonate veinlets associated. Lower contact again sharp with a fine	+						1	1								1	-	+-
			"chill" of ±5cm at ±60° to the core axis, again associated with carbonate veinlets.		-				1	1	1	1					ł — — —	<del>                                     </del>			+-

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De	epth	Rock Type	Description	Stru	ct. cor	e angle	es	Strain	Alterat	ion Char	acterist	ics	1			5	Sample A	ssavs		
From	То	1	·							Intens			Sample	From	To		Au g/t	Ι		
			Trace disseminated granular pyrite locally.		1	m			-								Ť			i e
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																	
			73.45 m to 73.55 m Very coarse grained pinkish-green mottled feldspar porphyry dyke.																	
			Contacts are at high angle to the core axis.																	
74.40	82.05	Gabbro	Massive, medium to fine grained equigranular intrusive looking unit as above described.																	
		GAB	Medium grey to grey-green colour. Moderately magnetic. Irregular fine white carbonate													1		1		1
			veinlets throughout. Trace disseminated granular pyrite locally. Fine beige leucoxene laths																	
			notable locally.																	
82.05	82.95	Felsite Dyke	Very strong sharp contacts notable, upper contact at 40° to the core axis and the lower																	
		FELS	contact at 60° to the core axis. Yellow-green with an orange tinge in colour. Fine grained with																	
			fine dark specks. Unit has altered the host rocks at upper and lower contacts for several																	
			centimetres from the contacts. Very hard. No sulphides noted.																	
82.95	83.45	Gabbro	Unit as above described but a bit finer grained. Core fractured for about 1 m from 83 m to 84																	
		GAB	m. Lower contact sharp at 85° to the core axis. Beige leucoxene laths are notable.																	
83.45	85.35	Mafic Flow	Typical massive, fine grained, medium green coloured unit. Seems to be a block stuffed																	
		MFLOW	between two dykes, or some sort of xenolith. May just be a finer phase of the gabbro, hard to																	
			tell. Essentially non-magnetic. Irregular carbonate veinlets are ubiquitous. No sulphides noted.																	
85.35	87.30	Feldspar Porphyry	Green, yellow, pink mottled colour. Medium to coarse grained locally with notable pink (as																	
		FP	well as white feldspars. Upper contact seems to be sharp though rubbly at likely a high angle																	
			to the core axis. Lower contact sharp but irregular. Unit is moderately chloritized. Strongly																	
			pyritic to 5% or more locally as disseminated grains or small masses. Unit is lightly																	
			carbonatized with irregular white carbonate veinlets.																	
			Pyrite up to 5% or better locally.										K403831	86.30	87.30	1.00	0.079			
87.30	96.00	Mafic Flow	Medium to dark green colour. Generally fine grained with subround carbonate filled																	
-		MFLOW	amygdules notable locally. Moderately hard. Moderately chloritized. Irregular white carbonate																	
-			veinlets continually present. Moderately locally carbonatized in the vicinity of carbonate																	
			veinlets. Trace disseminated pyrite grains locally with some concentration with carbonate																	

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De	pth	Rock Type	Description	Stru	ct. core	angles	Strain	Alterati	ion Chara	cteristi	ics					Sample A	ssays		
From	To			S <sub>o</sub>	Fol	Flow Vn	Intens	Туре	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			
			veinlets at the upper contact. Only weakly magnetic. Lower unit contact is sharp and																
			irregular seeming to be at a high angle to the core axis.																1
			Trace to 2% pyrite in small stringers and as disseminated grains at the upper contact.									K403832	87.30	87.80	87.80	0.008			1
96.00	115.50	Gabbro	Medium to dark grey-green colour. Medium to fine grained and generally quite equigranular.																
		GAB	Massive and competent looking unit. Moderately chloritized. Locally moderately magnetic.																
			Irregular carbonate veinlets, usually white or beige in colour are less than 1 cm thick.																
			There is a ±1cm thick chill margin at the upper contact. Occasional disseminated pyrite																
			grains.																
			110.05 m to 110.12 m Minor quartz/carbonate breccia veinlet at 50° to 60° to the core axis.																
			sharp walls with some metasomatism along the walls for a couple of millimetres. Maybe																
			a little grey chloritic slip in the center. Trace to 1% disseminated granular pyritein the veinlet.																
115.50	134.85	Felsic Volcanic	Upper contact with the gabbro is sharp but very irregular as an intrusive type contact. This																
		FFLOW	unit is green-olive to yellow-green in colour. Grey-green chloritic fractures are common.																
			Very hard and glassy in appearance. Very fine grained, in fact very little graining is visible at																
			all. Much of the moderately + sericitized unit (yellowish green) at the top of the interval has																
			up to 3 to 5% pyrite as disseminated grains and small masses locally. The unit seems to																
			have been shattered and healed with Carbonate/quartz veinlets. This unit is likely the IP																
			signature target for the drill hole.																
			Unit Sampling:																
			Trace to 3+% disseminated granular pyrite in sericitized rhyolite.									K403833	116.00	117.00	1.00	< 0.005			
			Trace to 3+% disseminated granular pyrite in sericitized rhyolite.									K403834	117.00	118.00	1.00	0.012			
			Trace to 3+% disseminated granular pyrite in sericitized rhyolite.									K403835	118.00	119.00	1.00	< 0.005			
																			<u> </u>
			122.05 m to 122.15 m Minor intermediate-felsic dyke as below 134.85m to 138.40m. Seems																
			to be at a high angle to the core axis. Rhyolite walls seem to be a bit cooked.																<u> </u>

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De	pth	Rock Type	Description	Stru	ct. cor	re ang	les	Strain	Alterati	on Char	acterist	tics					Sample A	ssays		
From	To			S。	Fol	Flow	/ Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			Unit Sampling:																	
			Trace to 3+% disseminated granular pyrite with some pyrite with the chlorite in fractures.										K403836	125.00	126.00	1.00	0.008			
			Trace to 3+% disseminated granular pyrite with some pyrite with the chlorite in fractures.										K403837	126.00	127.00	1.00	< 0.005			
			128.95 m to 129.25 m Minor intermediate-felsic dyke as below 134.85m to 138.40m. Seems																	
			to be at a high angle to the core axis. Felsic volcanic walls seem to be a bit cooked.																	
			131.5 m to 134.85 m Unit seems to be shattered and healed with pinkish and white																	
			carbonate/quartz and greenish chlorite. Variable mottled colour. Intensity of the sericite																	
			alteration variable over short distances. Trace to 1% disseminated granular pyrite.																	
			Sample at the lower unit contact.										K403838	133.40	134.85	1.45	< 0.005			
134.85	138.40	Int/Felsic Dyke	Medium to light green colour. Massive and fine grained with fine black specks. Specks may be																	
		I/FDYKE	chloritized crystals. Moderately hard. Non-magnetic. Local pinkish carbonate veinlets with the																	
			ubiquitous irregular white ones. Not particularly deformed, so likely a late feature. Upper																	
			contact sharp at 50° to the core axis. Lower contact sharp but irregular at low angle to the																	
			core axis. No sulphides noted.																	
138.40	145.80	Felsic Volcanic	Unit as above described 115.50 m to 134.85 m except more strongly shattered and healed																	
		FFLOW	with carbonate/quartz/chlorite veinlets. Trace disseminated granular pyrite locally through																	
			the unit. Some pyrite associated with the chloritic fractures. Non-magnetic. Moderately to																	
			strongly sericitized with a strong yellowish-green colour.																	
			Unit Sampling:																	
			Sericitized Felsic Volcanic with chloritic fractures and carbonate veinlets. Tr-2% pyrite locally.	_	_	1	1						K403839	143.00	144.00	1.00	0.17			
					1															
			Sericitized Felsic Volcanic with chloritic fractures and carbonate veinlets. Tr-2% pyrite locally.	1		1	1				<u> </u>		K403840	144.00	145.30	1.30	<0.005			
					1															
				1	1	1	1													

BP12-03
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Der	pth	Rock Type	Description	Struc	t. core	e angle	es	Strain	Alterati	on Char	acterist	tics	1				Sample A	ssavs		
From	То	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	'						Туре				Sample	From	To	Width	_			
				+			_		- 7   -		,,,,,,,	,,					· g.:			
145.80	152.00	Gabbro	Medium to dark green-grey colour. Massive, medium to fine grained and equigranular intrusive	1 1								<u> </u>								
		GAB	unit. Moderately chloritized. Moderately hard. Lightly magnetic locally. Ubiquitous irregular								i									
			white carbonate veinlets noted. Leucoxene specking (beige) notable locally. The top of the unit	1 1							1	1								
			where in contact with the rhyolite 145.80 m to 147.90 m is chewed up badly and shot with	1 1							1	1								
			white to pinkish carbonate veinlets. Looks as though some structural movement at one point	1 1							1	1								
			on the contact "foliation", used loosely, seems to be at high angle to the core axis.																	
			Chloritization, epidotization, and carbonatization associated with veinlets near the contact.																	
			Moving away from the contact zone the unit appears more as a typical gabbroic unit with only																	
			occasional moderate angle 2 cm thick carbonate-chlorite slips to be noted. Only trace																	
			disseminated pyrite grains noted locally through the unit.																	
152.00		EOH	End of Hole.																	
																				<u> </u>
												<u> </u>								
												<u> </u>								
												<u> </u>								
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				$\bot$							<u> </u>									
																				1

#### PLATINEX INC.

Target:

#### SHINING TREE PROJECT, ONTARIO - McBRIDE PROSPECT

Grid Coordinates: <u>UTM - NAD83 - Zone 17</u>

N: 5271603 E: 483777

35

Dip: -45 Elevation: 379 m

Azimuth: 180 Total Depth: 146.7 m

Core Size: NQ Core Boxes:

IP Anomaly in the vicinity of the McBride Gold Occurrence.

	Down H	ole Te	sts	
Туре	Depth		Dip	Azimuth
EZ-SHOT	30		-45.4	178.20
	60		-45.1	179.90
	90		-44.6	180.80
	120		-44.1	181.00

Downhole azimuth readings have been corrected to true north by subtracting 10.5 degrees from the EZ shot instrument reading.

HOLE#: MP12-01

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Date Started: March 26, 2012 (D)

Date Completed: March 27, 2012 (D)

Claim#: 1192177

Contractor: Laframboise Drilling

Logged by: Dean R. Cutting Sampled by: Bruce Cupskey

														Typed by	:	lain Trusle	er		
De	pth	Rock Type	Description		ct. cor	_				ion Chara						Sampl	e Assays		
From	To			So	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	То	Width	Au g/t		
0.00	2.20	Overburden	Casing left in hole																
		OVB																	
2.20	146.70	Syenite to	Historically referred to as gabbro with pink feldspar or pink gabbro.																
		Syenodiorite	Think interval of syenite to syenodiorite. Variable in colour locally from																
		SYE	pinkish with green overtone to greenish with a pink overtone depending																
			on the proportion of feldsar/ mafics or intensity of chloritization that is																
			from the most part equigranular and massive with grain size from medium																
			to fine grain. Unit is generally non magnetic with only very local intervals																
			slightly to moderatly magnetic. Unit is hard throughout being lightly able to																
			scratch with a steel scribe. Leucoxene spotting (beige, white, and green)																
			is common throughout the unit and variable from trace - 3%. Set of																
			carbonate veinlets disperesed through the unit at 35 degrees to the core																
			axis, regular and easily notable, veinlets usually less than 1cm thick.																
			There appears to be a set at 90 degrees to the 35 degree set (conjugate)								1								
			There are also a series of stockwork irregulars. Carbonate veinlets are								1								
			usually white but may locally have a pinkish tinge. Very little pyrite notable																
			through the unit. Chloritization occurs along fractures and in patches																
			through the unit variable in size from cm to m in extent.								1								
			Unit Sampling																
			Trace pyrite with pink white carb veinlets, high angle to core axis.										K403665	16.00	17.00	1.00	< 0.005		
			Trace to 1% pyrite, fracture zone with moderate + epidote/chlorite,	1									K403666		17.60	0.60	< 0.005		1
			carbonate veinlets.	1															1
			Trace pyrite with pink white carb veinlets, high angle to core axis.										K403667	17.60	18.60	1.00	0.183		
			White and pink carbonate veinlets at 35 degrees to core axis, no sulphides										K403668	23.00	24.50	1.50	0.046		
			White and pink carbonate veinlets at 35 degrees to core axis with light										K403669	24.50	26.00	1.50	0.019		
			chloritization.																
			Occasional carbonate veinlets, no sulphides										K403670	34.00	34.50	0.50	0.008		
			10cm chloritic/epidote slip fracture zone at 30 degrees to core axis, ladder	<u> </u>									K403671	34.50	35.00	0.50	<0.005		1
			fracture between the 2 walls. No sulphides	1	$\mathbf{H}$		-	<u> </u>			<u> </u>		14400070	05.00	20.00	4.00	0.005		₩
			Occasional carbonate veinlets. No sulphides	1	1		<b>—</b>			<b>!</b>	<b>I</b>		K403672	35.00	36.00	1.00	<0.005		₩
			Occasional carbonate veinlets, one 1cm thick, pink and white quartz feld-	1	+					-	1		K403673	36.00	37.00	1.00	0.01		+
			spar and hematite, no sulphides.	1—	+		-		-	<u> </u>	<b>I</b> —		K402674	37.00	20.00	1.00	<0.005		₩
			Occasional carbonate veinlets with chlorite. No sulphides										K403674	31.00	38.00	1.00	<0.005		ᅩ

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De	pth	Rock Type	Description	Struc	t. cor	e angl	es	Strain	Alteration	on Char	acterist	ics	Py Sample From To Width Au g/t							
From	To			S。	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			
			High Au Standard # 17c										K403675	STD OF	REAS 17c	0.00	2.69			
			Pink and white carbonate veinlets with chloritization, trace pyrite										K403676	43.50	44.00	0.50	< 0.005			
			7cm healed fracture zone 20 degrees to core axis, pink and white carbonate,										K403677	44.00	45.00	1.00	0.008			
			epidote/chlorite, trace pyrite.																	
			Pink and white carbonate veinlets with chloritization, trace pyrite										K403678	45.00	45.50	0.50	< 0.005			
			Chloritic syenite with carbonate veinlets, chloritic/epidote fracture at 80 degrees to										K403679	50.00	51.00	1.00	< 0.005			
			core axis, more intense strain at bottom of interval																	
			Strained zone with chloritic/epidote in fracture pink carbonate veinlet stockwork at										K403680	51.00	51.50	0.50	< 0.005			
			high angle to core axis, no sulphides																	
			Closure of zone to pinkish syenite, with occasional carbonate veinlets										K403681	51.50	52.50	1.00	< 0.005			
			Unit a bit strained at 75-85 degrees to core axis. Fractures with chlorite evident as																	
			well as carbonate veining from about 47.00 to 52.00.																	
			Carbonate veinlets in pink/green syenite, trace pyrite.										K403682	57.50	59.00	1.50	0.041			
			Carbonate veinlets in pink/green syenite, trace pyrite.										K403683	59.00	60.50	1.50	0.059			
			Rubbly fracture zone with late fracures, rough and coated with carbonate/chlorite																	
			from about 62.25 to 63.35																	
			Rubbly fracture zone with rough fracture chlorite/carbonate coating of most of the																	
			fractures. Unit appears to be "pitted" all though. The 'pitting' would appear to be																	
			"plucking" of the mafics along the cleavage a fracture planes on a fine crystal level																	
			scale. Short intervals occasionally through the unit much finer grained. These may																	
			be internal "chills" as the phases were being implaced. They tend to be fine grained																	
			and pink/reddish in colour. One very notable at 117.5m depth. From 68.35 to 72.00.																	
			Stockwork carbonate veinlets some pinkish, no sulphides.										K403684	84.75	86.25	1.50				
			12 cm pink/white carbonate veinlet breccia at 45 degrees to core axis, no sulphides										K403685	94.50	95.00	0.50	0.324			
			Pink/white carbonate veinlet stockwork, a bit chloritized/bleached around the vein-										K403686	95.00	96.50	1.50	0.043			
			lets, no sulphides																	
			Pink/white carbonate veinlet stockwork, a bit chloritized/bleached around the vein-										K403687	96.50	98.00	1.50	0.08			
			lets, no sulphides	1																

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Dej	pth	Rock Type	Description	Struc	ct. cor	e angle	es	Strain	Alterat	ion Char	acteris	. ,								
From	To			So	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			
			Pink/white carbonate veinlet stockwork, a bit chloritized/bleached around the vein-										K403688	98.00	99.50	1.50	0.019			
			lets, no sulphides																	
			Pink/white carbonate veinlet stockwork, a bit chloritized/bleached around the vein-										K403689	99.50	101.00	1.50	0.017			
			lets, no sulphides																	
			Pink/white carbonate veinlet stockwork, a bit chloritized/bleached around the vein-										K403690	101.00	102.50	1.50	0.077			
			lets, low angle "green" carbonate veinlets 15-20 degrees to core axis, no sulphides.																	
			This section sampled on report of fine sulphides by JT, DRC did not note sulphides.																	
			Stockwork carbonate veinlets pink/white, chlorite associated locally, no sulphides										K403691	110.00	111.50	1.50	< 0.005			
			Variable angles 30,40,70 and stockwork general																	
			Stockwork carbonate veinlets pink/white, chlorite associated locally, no sulphides										K403692		113.00	1.50	0.022			
			Stockwork carbonate veinlets pink/white, chlorite associated locally, no sulphides										K403693		114.50					
			Stockwork carbonate veinlets pink/white, chlorite associated locally, no sulphides										K403694	114.50	116.00	1.50	< 0.005			
			Stockwork carbonate veinlets pink/white, chlorite associated locally, no sulphides										K403695		117.50					
			Stockwork carbonate veinlets pink/white, chlorite associated locally, no sulphides										K403696		119.00	1.50	0.01			
			Stockwork carbonate veinlets, pink and white, no sulphides.										K403697	131.00	132.50	1.50	< 0.005			
			Stockwork carbonate veinlets, pink and white, no sulphides.										K403698		134.00	1.50	0.012			
			Stockwork carbonate veinlets, pink and white, no sulphides.										K403699	139.75	140.50					
			Blank Standard										K403700	BL	ANK	0.00	0.005			
146.70		EOH	End of hole.																	

#### PLATINEX INC.

Target:

#### SHINING TREE PROJECT, ONTARIO - CLARKE PROSPECT

UTM - NAD83 - Zone 17 Grid Coordinates:

> N: 5267930 E: 482085

Dip: -45 Elevation: 385 m

Azimuth: 70 Total Depth: 200 m

Core Size: NQ 47 Core Boxes:

IP Anomaly in the vicinity of the Clarke Gold Occurrence.

	Down Ho	le Tests	
Туре	Depth	Dip	Azimuth
EZ-SHOT	30	-43.8	71.1
	60	-43.5	72.3
	90	-43.2	74.4
	120	-42.9	74.7
	150	-42.7	75.0
	180	-42.6	77.8

Downhole azimuth readings have been corrected to true north by subtracting 10.5 degrees from the EZ shot instrument reading.

HOLE#: CPK12-01

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Date Started: 2012-03-27 (N)

Date Completed: 2012-03-28 (N)

Claim#: 4209215

Contractor: Laframboise Drilling

Logged by: Dean R. Cutting Sampled by: Bruce Cupskey

				Struct. core angles Strain Alteration Characteristics Typed by:  So Fol Flow Vn Intens Type Intens %QCV %Py Sample From To								r:	lain Trusle	er						
Dej	oth	Rock Type	Description					1								Sample	Assays			
From	To			S <sub>o</sub>	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	То	Width	Au g/t			
0.00	5.80	Overburden	Casing left in hole																	
		OVB																		
5.80	29.75	Mafic Flow	Medium to dark green colour, locally to beige/olive where L-M epidotized/																	
		Pillowed	sericitized and or bleached. Medium to fine grained. Pillow selveges are																	
		PMFLOW	clearly notable often with chlorite/carbonate/epidote alteration associated.																	
			Unit is basically non-magnetic. Impression that the top may be up hole																	
			from possible amygdules at top of pillows. Carb veinlets are in a stock-																	
			work pattern with thicknesses from hairline to 6 cm or so, some of the																	
			thicker veinlets are brecciated. There are quartz carbonate veinlets pre-																	
			sent as well often at high angles to c/a usually white to grey colour and																	
			possibly finely granular, trace pyrite with some of these. Trace to 1 %	1																
			pyrite locally disseminated through the unit and associated the car-																	
			bonate or quartz carbonate veinlets usually as grains or small masses.																	
			Poorly deveoloped strain at 30 - 40 degrees to core axis notable locally.																	
			, , , , , , , , , , , , , , , , , , , ,																	
			Unit Sampling																	
			Light green colour, carbonate veinlets, Trace pyrite										K403701	5.80	7.00	1.20	< 0.005			
			Light green colour, carbonate veinlets, Trace to 1% pyrite										K403702	7.00	8.50	1.50	< 0.005			
			Grey green colour, fine grained, coarse trace pyrite with Quartz Veinlets										K403703	8.50	10.00	1.50	< 0.005			
			Trace to 2% pyrite disseminated																	
			Grey colour, 5 cm quartz carbonate breccia veinlet at 90 degrees to core										K403704	10.00	11.00	1.00	0.007			
			axis, pink carbonate in parts, grey quartz veinlets, 2-3% disseminated																	
			pyrite grains	1																
			Grey colour,grey quartz carbonate veinlets with 3-4% disseminated										K403705	11.00	12.00	1.00	< 0.005			
		<u> </u>	pyrite in veins & wallrock																	
			Olive colour, grey quartz carbonate veinlets with trace - 1% disseminated										K403706	12.00	13.00	1.00	< 0.005			
			pyrite in veins & wallrock	<u> </u>	<u> </u>															
			Olive Colour, grey quartz carbonate veinlets, trace pyrite	ــــــ	<b>↓</b>		<u> </u>						K403707	13.00	14.00	1.00	0.023			
			Olive Colour, grey quartz carbonate veinlets, trace pyrite	—	<u> </u>		<b>_</b>						K403708	14.00	15.50	1.50	<0.005			lacksquare
			Light to medium green, carbonate veinlets, trace pyrite	₩	₽			<b>.</b>					K403709	15.50	17.00	1.50	<0.005			₽
			Light to medium green, carbonate veinlets, trace pyrite			<b>!</b>	<u> </u>	<b>.</b>					K403710	17.00	18.50	1.50	<0.005			₽
			Light to medium green, carbonate veinlets, trace pyrite	₩	₩	-	<b>!</b>			<del>                                     </del>			K403711	18.50	20.00	1.50	<0.005	-		$\vdash$
			Light to medium green, carbonate veinlets, trace pyrite	₩	₩	1	<del>                                     </del>			<del>                                     </del>			K403712 K403713	20.00	21.50	1.50 1.50	<0.005			1
			Light to medium green, carbonate veinlets, trace pyrite			<u> </u>		I		I .			N403/13	∠1.50	∠ა.00	1.50	<0.005			Щ

CPK12-01

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Dej	pth	Rock Type	Description	Stru	ct. cor	re ang	les	Strain	train Alteration Characteristics Sample Assa stens Type Intens %QCV%Py Sample From To Width Au g/t						ays					
From	To			s,	Fol	Flow	۷n	Intens	Type	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			Medium to dark green grey, trace carbonate veinlets, trace pyrite.										K403714	23.00	24.50	1.50	< 0.005			
			Medium to dark green grey, trace carbonate veinlets, trace pyrite.										K403715	24.50	26.00	1.50	< 0.005			
			Medium to dark green grey, trace carbonate veinlets, trace pyrite.										K403716	26.00	27.50	1.50	< 0.005			
			Medium to dark green grey, trace carbonate veinlets, trace pyrite, feldspar										K403717	27.50	29.00	1.50	< 0.005			
			porphyritic.																	
			Medium to dark green grey, trace carbonate veinlets, trace pyrite, feldspar										K403718	29.00	29.75	0.75	< 0.005			
			porphyritic, contact with diabase below																	
29.75	51.45	Diabase	Classic Diabase Dyke. Medium to dark green/ grey colour. Fine on top and bottom																	
		DIAB	for about 2-3 metres both top and bottom. Equigranular and massives though rubbly																	
			with chlorite coated fractures through the unit over short intervals. Only very																	
			occasional carbonate/ epidote filled fractures up to a cm thick, essentially devoid of																	
			veining. Moderately chloritized throughout. Moderately to strongly magnetic through-																	
			out. Contacts are both sharp with a cm scale chill zone. Top contact is in a rubble,																	
			lower contact is sharp at 60 - 65 degrees to the core axis. Occasional masses																	
			(small) of pyrite disseminated through the unit. Late featureNo sampling in unit.																	
51.45	78.85	Mafic Flow	Unit basically as described from 5.80 to 29.75m above the diabase.																	
		Pillowed																		
		PMFLOW																		
			Unit Sampling																	
			Medium to dark green, stockwork carbonate veinlets +/- epidote, trace to 1% pyrite										K403719	51.45	53.00	1.55	< 0.005			
			locally.																	
			Medium to dark green, stockwork carbonate veinlets +/- epidote, trace to 1% pyrite										K403720	53.00	54.50	1.50	< 0.005			
			locally.																	
			Medium to dark green, stockwork carbonate veinlets +/- epidote, trace to 1% pyrite										K403721	54.50	56.00	1.50	< 0.005			
			locally.																	
			Medium to dark green, carbonate veinlet stockwork, trace to 1% disseminated pyrite										K403722	56.00	57.50	1.50	< 0.005			
			with veinlets and disseminated locally																	
			Medium to dark green, carbonate veinlet stockwork, trace to 1% disseminated pyrite										K403723	57.50	59.00	1.50	< 0.005			
			with veinlets and disseminated locally																	
			Medium to dark green, carbonate veinlet stockwork, trace to 1% disseminated pyrite										K403724	59.00	60.50	1.50	< 0.005			
			with veinlets and disseminated locally																	
			Low Au Standard # 65a	<u> </u>	<u> </u>		<u> </u>						K403725	L STD OF	REAS 65a	0.00	0.525			

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Dej	pth	Rock Type	Description	Struc	ct. cor	e angl	les	Strain	Alterati	on Char	acterist									
From	To			S。	Fol	Flow	Vn	Intens	Туре	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			Medium to dark green, more intense carbonate veinlets, 10cm grey/white quartz										K403726	60.50	62.00	1.50	0.031			
			veinlet at 40 degrees to core axis, trace - 3% pyrite																	
			Medium to dark green, carbonate veinlet stockwork, trace - 1% pyrite with veinlets										K403727	62.00	63.50	1.50	< 0.005			
			and disseminated locally.																	
			Medium to dark green, carbonate veinlet stockwork, trace - 1% pyrite with veinlets										K403728	63.50	65.00	1.50	< 0.005			
			and disseminated locally.																	
			Medium to dark green, carbonate veinlet stockwork, trace - 1% pyrite with veinlets										K403729	65.00	66.50	1.50	0.006			
			and disseminated locally.																	
			Medium to dark green, carbonate veinlet stockwork, trace - 1% pyrite with veinlets										K403730	66.50	68.00	1.50	< 0.005			
			and disseminated locally.																	ı
			Medium to dark green, carbonate veinlet stockwork, trace - 1% pyrite with veinlets										K403731	68.00	69.50	1.50	< 0.005			
			and disseminated locally.																	
			Unit appears to have locally an interval with a bit more notable strain (foliation) with																	
			associated carbonate veinlets with pyrite from trace - 2% locally as grains or small																	
			masses. Z-fold at approximately 40 degrees to core axis. (73.00m to 75.00m)																	
																				i
78.85	83.15		Porphyritic mafic flow or poorly sorted mafic ash flow. Medium to coarse grained																	
		Mafic Flow	mafic flow, medium green speckled colour. Massive and equigranular for the most																	ı
		MFLOWPOR	part with occasional anhedral feldspar masses up to 2-3mm size, about 1% at best																	
			Unit is non-magnetic. Unit is chloritized as the balance of the mafic volcanics. The																	i
			unit is a bit coarser as a volcanic than most other volcanics observed to date in this																	
			hole. White/beige/grey, carbonate veinlets are present as elsewhere. Trace - 2%																	i
			disseminated pyrite locally. Upper contact gradational over 10cm or so. Lower																	
			contact is sharp @ high angle to core axis and irregular																	ı
83.15	84.25	Feldspar	Intrusive unit with chills of +/- 1cm thick top and bottom. Brown/red.green colour at																	
			the top turning almost an olive at the bottom where fine grained matrix is bleached/																	
		FP	sericitized more intensely. Unit finer and changes colour at about 84m to bottom with																	
			a gradational internal contact over 1cm or so. Unit has a fine grained felsic matrix																	
			with phenocrysts of feldspar up to 2mm size, phenocrysts are beige to light green																	

**CPK12-01**Page 4 of 8

De	pth	Rock Type	Description		ct. co					ion Char										
From	To			So	Fol	Flow	/ Vn	Intens	Type	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			
			colour and import a 'speckling' to the unit. Unit is non-magnetic. There are also dark																	
			phenocrysts of more mafic material about the same size. Lower seemingly intrusive																	
			style contact sharp and irregular, likely at high angle to core axis. Very few fine																	
			carbonate veinlets except where altered in the lower 25 cm. Trace pyrite, Chalco-																	
			pyrite, (?red sphalerite) in the quartz carbonate veinlets at the lower unit contact,																	
			at 10 degrees to core axis.																	
84.25	85.65	Mafic Flow	Remains of the unit from 78.85 to 83.15																	
		Porphyritic																		
		MFLOWPOR																		
85.65	108.00	Mafic Flow	Mafic to intermediate flows with occasional pillow selveges notable. Medium to fine																	
		Pillowed	grained relatively equigranular unit. Unit is medium green in colour. Unit is essentially																	
		PMFLOW	non-magnetic. Locally a bit of strain (foliation) lightly developed at about 70 degrees																	
			to core axis. Light to medium chloritized, epidotized, and carbonatized in the vicinity																	
			of the carbonate veinlet stockwork that is pervasive through the unit. Most of the																	
			carbonate veinlets are white to grey in colour most being less than 1cm thick but																	
			occasionally up to 15 cm as aggregates, epidote is sometimes associated as is																	
			quartz. Trace pyrite as grains or small masses are notable disseminated through																	
			the unit both in the wallrock and the veinlets. Upper unit contact gradual over 5cm																	
			or so, lower contact is an intrusive contact, sharp but irregular.																	
108.00	127.70	Diabase	Typical diabase unit as described 29.75 to 51.45m. Both upper and lower contacts																	
		DIAB	are a bit rubbly but the contacts are sharp with colour and grain size variations,																	
		•	Upper contact at +/- 20 degrees to core axis, Lower contact at 30 degrees to core axis.																	
			Almost like "serpentine" present along some of the fractures. Epidote and																	
			chloritic greenish colourNo sampling in unit.																	
		<u> </u>																		

CPK12-01	

De	pth	Rock Type	Description	Struc	ct. cor	e ang	les	Strain	Alterati	on Chara	acterist	ics				S	ample Ass	says		
From	To			So	Fol	Flow	۷n	Intens	Type	Intens	%QCV	%Ру	Sample	From	To	Width	Au g/t			'
127.70	147.15	Mafic Flow	Mafic to intermediate flows basically as above described from 85.65 to 108.00.																	
		MFLOW	There are only a couple of features through the unit that may be pillow selveges but																	
			not definitive. Unit basically massive and meduim to fine grained locally. In the coarse																	
			sections feldspar phenocrysts are notable as well as possible carbonate filled																	
			amygdules in the more fine sections. The feldspars are often irregular agglomerates of																	
			crystals up to several mm in size as opposed to well formed individual crystals. The unit																	<u> </u>
			is essentially non-magnetic. The unit, as most of the volcanics in the hole, has an																	<u>                                      </u>
			irregular stockwork of fine carbonate veinlets from hairline to a cm in thickness. This																	<u> </u>
			unit (136.00 - 143.00), does however, in addition have several irregular quartz carb-																	1
			onate veinlets up to +/- 10 cm in thickness. The veinlets are irregular masses of grey																	
			/waxy to cryptocrystalline quartz with beige/white masses of carbonate intermixed.																	<u> </u>
																				<u> </u>
			Pyrite content as grains of small masses in disseminated from trace - 3% locally.																	<u> </u>
			Very interesting looking veining.																	
																				<u> </u>
			Unit Sampling																	<u>                                      </u>
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as										K403763	127.70	128.80	1.10	< 0.005			
			grains or small masses																	
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as										K403764	128.80	129.90	1.10	< 0.005			
			grains or small masses																	1
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as										K403765	129.90	131.00	1.10	< 0.005			
			grains or small masses																	
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as										K403766	131.00	132.50	1.50	< 0.005			
			grains or small masses																	
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as										K403767	132.50	134.00	1.50	< 0.005			
			grains or small masses																	
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as										K403768	134.00	135.10	1.10	< 0.005			
			grains or small masses																	
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as										K403769	135.10	136.30	1.20	< 0.005			
			grains or small masses																	
				<u> </u>			<u> </u>													

CPK12-01

Page 6 of 8

De	pth	Rock Type	Description	Struc	ct. cor	e angl	les	Strain	ain Alteration Characteristics  Type Intens %QCV %Py Sample From To						Sample A	ssays				
From	To			So	Fol	Flow	۷n	Intens	Type	Intens	%QC\	∕/%Py	Sample	From	To	Width	Au g/t			
									1		1									
			Medium green, carbonate stockwork veinlets, trace and disseminated pyrite as						1		1		K403770	136.30	137.50	1.20	< 0.005			
			grains or small masses. Strong quartz with trace to 1% pyrite as above noted						1		1									
			35% of interval.						1		1									
									1		1									
			As it approaches the unit contact with the coarse grained 'gabbro' below it starts to																	
			get short intervals of a metre or so of coarse grained and feldspar porphyritic like																	
			the gabbro. Maybe a bit of "interfingering" but compositions seem similar, grain size																	
			is more variable. From 141.00 to 143.00m the unit is a bit "strained and veined" at																	
			about 40 degrees to core axis. Carbonatized, epidotized with quartz carbonate vein-																	
			lets with up to 3% pyrite locally.																	
			Trace carbonate veinlets in porphyritic volcanic unit, trace pyrite.										K403771	137.50	139.00	1.50	< 0.005			
			Low Au Standard #65a										K403775	STD OF	REAS 65	0.00	0.496			
147.15	167.70	Gabbro	(Could easily be a coarse mafic volcanic flow?) (TS+WR?) Medium to dark green																	
		GAB	colour. Medium to medium/coarse grained. Posesses irregular masses of feldspar																	
			(phenocrysts) up to 1.5cm diameter as subround shapes. Unit is quite massive																	
			and relatively equigranular with short intervals coarsening or fining. Has the appear-																	
			ance of an intrusive unit. Unit is non-magnetic throughout. Locally a bit strained as																	
			153.00 to 153.50 at 30 degrees to core axis, associated with carbonate veining and																	
			trace pyrite. Upper contact is sharp at 20 degrees to core axis, lower contact is																	
			sharp at 65 degrees to core axis. Stockwork of fine carbonate veinlets hairline to																	
			1 cm throughout. Seems to be a set of carbonate veinlets at 20 degrees to core																	
			axis. Trace pyrite disseminated through the unit as grains or small																	
			masses, one clot of 2-3cm diameter noted at 160.80m. Quartz carbonate veining more																	
			intense at the upper contact down to 150m or so, veining as described in the unit																	
			above, trace - 1% pyrite locally.																	

CPK12-01

Page 7 of 8

De	pth	Rock Type	Description	Struc	ct. cor	re anç	gles	Strain	Alteration	on Chara	cteristi	, ,								
From	To			So	Fol	Flov	w Vn	Intens	Type	Intens	%QCV	%Py	Sample	From	To	Width	Au g/t			,
167.70	172.10	Mafic	Mafic fragmental unit, would probably call it a lapilli tuff. Fragments are clearly																	
		Fragmental	notable and variable in size from ash to 10cm or so. Unit is medium to light green and																	
		MTUFF	very mottled in appearance. Non-magnetic. Shot with carbonate or carbonate-																	
			quartz veinlets with trace - 1% pyrite locally. Unit is locally moderately strained in the coarse																	
			tuff areas at 60 to 75 degrees to core axis. Unit is lightly to moderately pervasively																	
			carbonatized.																	
172.10	180.75	Glomero	Diabase dike with a glomeroporphyritic core. The top 1.70m and bottom 2.80 m are																	
		Porphyritic	typical med to fine grained diabase. Uniform, massive, occasional carbonate/																	
		Diabase	epidote filled fractures or chloritic coated fracture rubble all that is notable. The																	
		DIAB	entire unit is moderately to strongly magnetic. The central core of the dyke is glomeropheric																	
			with large 0.5 to 3cm subround feldspathic masses like cherries in a pudding.																	
			These glomeropheric masses have been sausseritized to a striking green/yellow																	
			colour. This may be used as a sort of marker unit. Upper contact is sharp at 60 degrees																	
			to core axis, lower contact sharp at 35 degrees to core axisNo sampling in unit.																	
180.75	184.00	Mafic Flow	Mafic volcanic unit. Medium to fine grained. Medium to dark green mottled colour may																	
		Pillowed	be a pillowed unit. Carbonate/epidote veinlets are pervasive and irregularly oriented.																	
		PMFLOW	Patchy carbonatized/epidotized pervasive in and around the veinlets. Trace to 1%																	
			pyrite disseminated through the unit as grains or small masses.																	
184.00	185.10	Diabase	Fine grained magnetic diabase dike. Contacts are sharp upper contact at 60 degrees																	
		DIAB	to core axis, lower contact sharp at 60 degrees to core axis. Typical diabase unit																	

	CPK	12-01	
Page	8	of	8
Page	8	of	8

Dei	nth	Rock Type	Description	Stri	ıct. cor	e and	ıloe	Strain	Altorati	on Char	actoriet	tice				-	ample As	eave		
From	To	Nock Type				_		Intens					Sample	From	To	Width	Au a/t	l		
FIOIII	10			30	FOI	FIOW	v vn	intens	туре	intens	%QC\	V 7₀F y	Sample	FIOIII	10	width	Au g/t			-
185.10	195.10	Mafic Flow	Mafic volcanic flow with pillow selveges notable locally. Variable fine to medium				1					1								
		Pillowed	grained. Non-magnetic. Numerous quartz carbonate and carbonate veinlets in a				1				1	1								
			stockwork pattern. Trace - 1% disseminated pyrite locally through the unit. Moder-	_	1		1					1								
			ately pervasively carbonatized through the unit. Maybe a bit of light strain locally at				1				1	1								
			40 degrees to core axis.				1				1	1								
							1				1	1								
			Irregular carbonate veinlets with trace to 1% pyrite locally.			1							K403812	192.50	194.00	1.50	< 0.005			
			Irregular carbonate veinlets with trace to 1% pyrite locally.										K403813		195.10					
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																	
											1	1							Î	
195.10	195.55	Argillite	Argillite unit fine grained, dark grey/black to medium grey/green. Finely banded at																	
		ARG	60 degrees to core axis. Crenulated silica bands. Pyrite blebs along foliation/bedding																	
			planes. Dark section is slightly conductive. Locally carbonatized with a few carbonate																	
			veinlets through the unit. Overall 3-5% disseminated pyrite mostly with the																	
			fine grained dark section.																	
			Unit Sample										K403814	195.10	195.55	0.45	0.023			
195.55	200.00	Mafic Flow	As 185.10 to 195.10. Coarsening with local phenocryts from 198.1 to bottom of the																	
		Pillowed	hole. Locally a bit like the porphyritic gabbro (coarse flow?) at 147.15 to 167.70.																	
		PMFLOW	Light irregular carbonate veinlets throughout. Trace to 1% pyrite disseminated																	
			locally.																	
			Unit Sampling																	
			Tr to 1% disseminated pyrite.										K403815	195.55	197.00	1.45	< 0.005			
			Tr to 1% disseminated pyrite.										K403816	197.00	198.50	1.50	< 0.005			
200.00		EOH	End of Hole																	

## Appendix II Certificates of Analysis



#### **Certificate of Analysis**

Work Order: SU19451

Date:

Apr 19, 2012

To: James Trusier

Platinex Inc.

445 Apple Creek Blvd

Markham

ONTARIO L3R 9X7

P.O. No.

Batch: K403551-K403624

Project No.

:

No. Of Samples

: 74

Date Submitted

Apr 09, 2012

Report Comprises : Pages 1 to 3

(Inclusive of Cover Sheet)

Distribution of unused material:

Store for 90 days.Instructions to follow:

Comments:

Preparation of samples was performed at the SGS Sudbury site

Certified By

Bruce Robertson Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R.

= Listed not received

I.S. = Insufficient Sample

n.a. = Not applicable

= No result

\*INF = Composition of this sample makes detection impossible by this method *M* after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Final: SU19451 Order: Batch: K403551-K403624

Element Method	WtKg WGH79	Au FAA313
Det.Lim.	0,001 kg	5 ppb
Units <403551		อกเลเดเลสเดดสากพระเนเลี้
	1.242	<5
<b>(403552</b>	1.809	<5
C403553	2.295	<5 -
<b>(</b> 403554	2.228	<5
<b>(403555</b>	2.111	<5
(403556	1.964	<5
(403557 <sub>.</sub>	2.198	<5
<b>&lt;403558</b>	2.357	<5
<b>(403559</b>	2.216	<5
<b>&lt;</b> 403560	1.665	9
K403561	1,957	36
K403562	2.322	5
<b>&lt;</b> 403563	2.245	8
<b>(</b> 403564	1.955	7
<b>&lt;</b> 403565	1.949	9
<b>&lt;</b> 403566	1.487	<5
(403567	2.163	6
(403568	1.975	18
(403569	3.424	<5
<b>(</b> 403570	3,284	<5
(403571	2.991	12
(403572	2.195	<5
C403573	1.758	7
K403574	2.755	14
<b>&lt;</b> 403575	0.055	494
C403576	1.496	7
K403577	3.197	5
K403578	3.048	5
C403579	3.387	
<b>&lt;</b> 403580	3.165	- <5
K403581	3.163	<5
(403582	3,275	<5
(403583 ·	3.249	
(403584	3.359	11
(403585	3.483	· · · · · · · · · · · · · · · · · · ·
(403586	3.344	S
BOAR 2009/201942		STATE TO SELECT A STATE OF THE SELECT AND SE
<403587	3.259	10
<403588	3.255	12
(403589	3,076	5
(403590	3.378	10
<b>(403591</b>	2.992	18
(403592	3,232	5
<403593	3.275	15

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Final: SU19451: Order: Batch: K403551-K403624

Page 3 of 3

Element	WtKg	Au
Method	WGH79	FAA313
Det.Lim.	0.001	5
Units	kg	ppb
K403594	3.268	5
K403595	3.235	5
K403596	3.225	11
K403597	3.290	6
K403598	3.311	<5
K403599	3.294	<5
K403600	0.055	4620
K403601	3,168	8
K403602	3.200	9
K403603	2.910	8
K403604	2,650	. 9
K403605	2.040	6
K403606	1.901	<5
K403607	2.889	6
K403608	3.219	5
K403609	3.105	12
K403610	3.210	13
K403611	3.166	6
K403612	3.142	10
K403613	3,319	9
K403614	2.212	8
K403615	2.474	65
K403616	2.913	18
K403617	2.104	8
K403618	3.112	9
K403619	3.368	<5
K403620	3.358	6
K403621	3.318	16
K403622	3,356	5
K403623	3.221	<5
K403624	3.237	<5
*Rep K403579		<5
*Rep K403613		10

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#### **Certificate of Analysis**

Work Order: SU19452

To: James Trusler

Platinex Inc.

445 Apple Creek Blvd

Markham

ONTARIO L3R 9X7

P.O. No.

Batch: K403625-K403664

Project No.

No. Of Samples

: 40

Date Submitted

Apr 09, 2012

Report Comprises :

Pages 1 to 2

(Inclusive of Cover Sheet)

Distribution of unused material:

Store for 90 days.Instructions to follow:

Comments:

Preparation of samples was performed at the SGS Sudbury site

Certified By

Bruce Robertson Operations Manager

Apr 17, 2012

Date:

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Report Footer:

L.N.R.

= Listed not received

I.S. = Insufficient Sample

n.a. = Not applicable

-- = No result

\*INF. = Composition of this sample makes detection impossible by this method *M* after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Final: SU19452 Order: Batch: K403625-K403664

Element Method Det.Lim.	WtKg WGH79 0.001	Au FAA313 5
Units	kg	ppb
K403625	0.735	<5
K403626	3.566	<5
K403627	3.308	<5
K403628	3.136	<5
K403629	3.164	<5
K403630	3.317	<5
K403631	3.179	<5
K403632	2.998	<5
K403633	3.214	<5
K403634	3.282	<5
K403635	3,366	<5
K403636	3.180	<5
K403637	2.699	<5
K403638	3.666	<5
K403639	2.697	<5
K403640	2.253	<5
K403641	2.317	<5
K403642	3.460	<5
K403643	3.446	<5
K403644	3,481	<5
K403645	1.295	<5
K403646	3.463	<5
K403647	1,555	<5
K403648	3.048	5
K403649	1.845	9
K403650	0.067	523
K403651	1,972	18
K403652	2.411	7
K403653	2.706	<5
K403654	3.326	<5
K403655	2,230	<5
K403656	2.012	<5
K403657	1.983	<5
K403658	2.483	<5
K403659	2.269	<5
K403660	2.446	<5
K403661	2.833	<5
K403662	2.204	<5
K403663	2,306	<5
K403664	1.176	<5
*Rep K403643		<5

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#### **Certificate of Analysis**

Work Order: SU19656

To: James Trusler

Platinex Inc.

445 Apple Creek Blvd

Markham

ONTARIO L3R 9X7

P.O. No.

Batch: B

Project No.

\_

No. Of Samples

: 36

Date Submitted

Apr 20, 2012

Report Comprises

Pages 1 to 2

(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Comments:

Preparation of samples was performed at the SGS Sudbury site

Cartified By

Bruce Robertson Operations Manager

Date:

May 03, 2012

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Report Footer:

L.N.R.

= Listed not received

I.S. = Insufficient Sample

n.a. = Not applicable

-- = No resu

\*INF = Composition of this sample makes detection impossible by this method *M* after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Final: SU19656 Order: Batch: B

Element	WtKg	Au
Method	WGH79	FAA313
Det.Lim.	0.001 kgi	5 ppb
Units	o on and market a characteristic contraction of the	
K403665	2.150	<5
K403666 K403667	1.401 2.453	<5 183
K403668	3.259	46
K403669	3.243	46 19
K403670	1.149	8
K403671	1.149	
K403672	2,306	<5
K403673	2.084	10
K403674	2.152	<5
K403675	0.062	2690
K403676	1.067	2000 <5
K403677	2.172	8
K403678	1.166	<5
K403679	2.153	<5
K403680	1.080	 <5
K403681	2.014	<5
K403682	3.197	41
K403683	3.378	59
K403684	3,362	36
K403685	1.008	324
K403686	3.217	43
K403687	3,285	80
K403688	3.290	19
K403689	3.178	17
K403690	3.281	77
K403691	3.245	<5
K403692	3.311	22
K403693	3.391	<5
K403694	3.022	<5
K403695	- 3.385	<5
K403696	3,388	10
K403697	3.230	<5
K403698	3.651	12
K403699	1.707	<5
K403700	0.755	5
*Rep K403668		45

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#### **Certificate of Analysis**

Work Order: SU19657

James Trusler

Platinex Inc.

445 Apple Creek Blvd

Markham

ONTARIO L3R 9X7

Date:

May 03, 2012

P.O. No.

Batch: C

Project No.

No. Of Samples

31 Apr 20, 2012

Date Submitted

Pages 1 to 2

Report Comprises

(Inclusive of Cover Sheet)

Distribution of unused material:

STORE:

Comments:

Preparation of samples was performed at the SGS Sudbury site

Bruce Robertson Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. n.a.

= Listed not received

= Insufficient Sample

= Not applicable

\*INF = Composition of this sample makes detection impossible by this method M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

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

Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Final: SU19657 Order: Batch: C

Element	WiKg	Au
Method	WGH79	FAA313
Det.Lim.	0,001 kg	5 ppb
Units		
K403701	2.734	<5
K403702	3,309	<5
K403703	3.311	<5
K403704	2.171	7
K403705	2.292	<5
K403706	2.303	<5
K403707	2.283	23
K403708	3.592	<5
K403709	3.242	<5
K403710	3.442	<5
K403711	3.654	<5
K403712	3.508	<5
K403713	3.261	<5
K403714	3.621	<5
K403715	3.063	<5
K403716	3.428	<5
K403717	3.272	<5
K403718	1.700	<5
K403719	3.655	<5
K403720	3.610	<5
K403721	3.679	<5
K403722	3.702	<5
K403723	3.722	<5
K403724	3.573	<5
K403725	0.063	525
K403726	3.418	31
K403727	3.506	<5
K403728	3.363	<5
K403729	3.905	6
K403730	3.417	<5
K403731	3.884	<5
*Rep K403712		<5

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#### **Certificate of Analysis**

Work Order: SU19926

James Trusler

Platinex Inc.

445 Apple Creek Blvd

Markham

ONTARIO L3R 9X7

P.O. No.

Batch: D

Project No.

. -. 16

No. Of Samples

May 14, 2012

Date Submitted

Pages 1 to 2

Report Comprises :

(Inclusive of Cover Sheet)

(inclusive of oover on

Distribution of unused material: STORE:

Comments:

Preparation of samples was performed at the SGS Sudbury site

Certified By

Bruce Robertson Operations Manager

Date:

May 22, 2012

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

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

= Insufficient Sample

\*INF

= Composition of this sample makes detection impossible by this method

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

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

Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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



# SGS

Final: SU19926 Order: Batch: D

Element	WtKg	Au
Method	WGH79	FAA313
Det.Lim.	0,001	5
Units	kg	ppb
K403763	2,710	<5
K403764	2,818	<5
K403765	2.609	<5
K403766	3.727	<5
K403767	3.709	<5
K403768	2.687	<5
K403769	2.802	<5
K403770	2.802	<5
K403771	3.639	<5
K403775	0.063	496
K403812	3.280	<5
K403812DUP	<0.001	<5
K403813	2,380	<5
K403814	0.958	23
K403815	3.699	<5
K403816	3.807	<5
*Rep K403770		<5

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1046 Gorham Street Thunder Bay, ON Canada P7B 5X5 Tel: (807) 626-1630 www.accurassay.com Fax: (807) 622-7571 assay@accurassay.com

Monday, November 28, 2016

#### **Final Certificate**

Platinex Inc Suite 807 20 Williams Roe Blvd Newmarket, ON, Can L3Y 5V6

Ph#: (416) 565-5616

Email: drcutting@yahoo.ca, jtrusler@platinex.com

Date Received: 11/25/2016
Date Completed: 11/28/2016
Job #: 201655646
Reference: Core RUSH
Sample #: 23

		.54, jii 4510
Acc#	Client ID	Au
, ιου π <sup>-</sup>	OHOIR ID	g/t (ppm)
100500	K403818	0.015
100501	K403819	<0.005
100502	K403820	<0.005
100503	K403821	0.036
100504	K403822	<0.005
100505	K403823	0.034
100506	K403824	<0.005
100507	K403825	3.095
100508	K403826	0.070
100509	K403827	0.016
100510	K403827 Dup	0.012
100511	K403828	0.032
100512	K403829	0.027
100513	K403830	0.179
100514	K403831	0.079
100515	K403832	0.008
100516	K403833	<0.005
100517	K403834	0.012
100518	K403835	<0.005
100519	K403836	0.008
100520	K403837	<0.005
100521	K403837 Dup	<0.005
100522	K403838	<0.005
100523	K403839	0.017
100524	K403840	<0.005

APPLIED SCOPES: ALP1, ALFA1

/alidated By:

Guillaume Bouffard, Lab Tech Supervisor

Certified By:

Nathalie Neveau

Authorized By:

Derek Demianiuk, VP Quality

The results included on this report relate only to the items tested.

The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.



1046 Gorham Street Thunder Bay, ON Canada P7B 5X5 www.accurassay.com assay@accurassay.com

Monday, November 28, 2016

**Final Certificate** 

Platinex Inc Suite 807 20 Williams Roe Blvd Newmarket, ON, Can L3Y 5V6

Ph#: (416) 565-5616

Email: drcutting@yahoo.ca, jtrusler@platinex.com

Date Received: 11/25/2016 Date Completed: 11/28/2016 Job #: 201655646 Reference: Core RUSH

Sample #: 23

**Control Standards** 

 QC Type
 Element
 QC Performance (ppm)
 Mean (ppm)
 Std Dev (ppm)

 WW01
 Au
 0.580
 0.640
 0.050

APPLIED SCOPES: ALP1, ALFA1

Validated By:

// / //

Guillaume Bouffard, Lab Tech Supervisor

Certified By:

( Nathalie Neveau aboratory Manager - Rouyn Authorized By:

Tel: (807) 626-1630

Fax: (807) 622-7571

Derek Demianiuk, VP Quality

The results included on this report relate only to the items tested.

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