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REPORT ON HEAVY MINERAL EXAMINATION AND ANALYSIS, TORNGAT DIAMOND PROJECT

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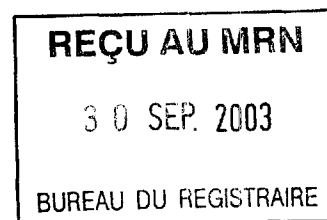
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Énergie et Ressources
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Québec 

**REPORT ON
HEAVY MINERAL EXAMINATION AND ANALYSIS
DIAMOND DISCOVERIES INTERNATIONAL
TORNGAT DIAMOND PROJECT, QUEBEC**



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REPORT ON HEAVY MINERAL EXAMINATION AND ANALYSIS DIAMOND DISCOVERIES INTERNATIONAL TORNGAT DIAMOND PROJECT, QUEBEC

I. INTRODUCTION SUMMARY

This report summarizes visual examinations of heavy mineral concentrates and electron microprobe analyses of mineral grains selected from the heavy mineral concentrates. The heavy mineral concentrates consist of: 1.) detrital material derived from till and stream gravel samples; 2.) crushed rock samples; 3.) residues from partial caustic (acid) digestions of rock samples. The heavy mineral concentrates were collected by Diamond Discoveries International during the 2001 field season on the Torngat Diamond Project situated in the Torngat area of the Ungava region of northern Quebec.

The program resulted in the identification of minerals commonly associated with kimberlite and unique rock types akin to kimberlite. Kimberlite minerals identified by the program include: pyrope garnet, chrome diopside, olivine, phlogopite, perovskite, Mg ilmenite, chromite, enstatite, Cr amphibole, potential eclogite almandine garnet, corundum and clinopyroxene. The program also identified minerals associated with base metal deposits and sulphide zones.

LOGISTICS

Between August and November, 2001 Diamond Discoveries International sent heavy mineral concentrates for petrologic examination to Robert Dillman(author) of Arjadee Prospecting located in Mount Brydges, Ontario. The heavy mineral concentrates consist of mineral grains derived from till and stream gravels, crushed rock and partially digested rock residues from caustic (acid) fusion diamond analyses.

A total of 217 heavy mineral concentrates were sent to Arjadee Prospecting. The concentrates consisted of 191 till and stream gravel samples, 7 crushed rock concentrates and 19 caustic fusion residues.

Heavy mineral concentrates were examined by the author between September 2001 and June 2002. The concentrates were examined under 7x to 50x magnification using a binocular microscope. A description of each concentrate examined is appended to this report. The descriptions are based on specific grain counts and modal percentages derived on visual approximations.

Individual mineral grains selected from specific samples were identified by an electron microprobe. The microprobe is owned and operated by Robert L. Barnett of R.L. Barnett Geological Services located in Lambeth, Ontario. Mineral chemistries obtained by microprobe analyses are appended to this report.

SAMPLE PREPARATION

Heavy mineral concentrates derived from till and stream gravels were concentrated by personnel of Diamond Discoveries International. The concentrates were screened and prepared at an on-site facility. Samples were separated into coarse-, medium- and fine-grained fractions by sieving with 2.0 mm, 1.0 mm and 0.5 mm screens. Minerals were concentrated by specific gravity using a mechanical jig.

Mineral residues derived from acid digestion of potential diamond-bearing rocks found on the Tomgat property were prepared by Lakefield Research at facilities in Lakefield, Ontario. Lakefield Research produced mineral concentrates by screening and mineral separation based on magnetic susceptibility of individual grains.

Heavy mineral concentrates made from rock samples received by Arjadee Prospecting were crushed using an impact crusher, screened and concentrated by mechanical jig. Concentrates derived from jig were concentrated to a minimum specific gravity of 3.0 g/cm³ using the density separation liquid: lithium metatungstate.

Magnetic minerals were removed from many of the concentrates using a magnetic tray. Magnetic fractions have been stored for future reference. Finally, each component of the heavy mineral concentrates was weighed and information recorded on the concentrate description sheets accompanying this report. Currently, mineral concentrates are stored at facilities provided by Arjadee Prospecting.

RESULTS

Kimberlite indicator minerals and minerals associated with rock types akin to kimberlite have been identified in heavy mineral concentrates from the project. Table 1. summarizes the electron microprobe analyses of the kimberlite minerals. Table 2. is a compilation of results based on mineral verification by the electron microprobe combined with the results of visual examination of the concentrates and grain counts.

TABLE 1:

**KIMBERLITE, LAMPROPHYRE AND RELATED MINERALS VERIFIED BY ELECTRON MICROPROBE
TORNGAT PROJECT, QUEBEC: DIAMOND DISCOVERIES INTERNATIONAL**

SAMPLE NUMBER	(R): CRUSHED ROCK								(D): CAUSTIC FUSION RESIDUE					
	PYROPE	CHROME DIOPSIDE	Mg ILMENITE	CHROMITE	PEROVSKITE	FOSTERITE OLIVINE	BIOTITE PHLOGOPITE	ORTHOPYROXENE ENSTATITE	Ca-Mg ALMANDINE	CHROME AMPHIBOLE	Na AUGITE	YELLOW SPHENE	PINK CORUNDUM	TI MAGNETITE
DRX-1(D)	3 g												303 g	
DRX-2(D)									13 g				43 g	
DRX-3	8 g	10 g		2 g		2 g		4 g	2 g					2 g
DRX-4(D)													117 g	5 g
ARX-1(D)													6 g	
ARY-4	2 andradite				5 g	2 g								
XP-8	1 g	1 g							1 g		2 g			
DD1-3-30		5 g		1 g					5 g			1 g		
DD1-3-32		4 g							2 g			1 g		
DD1-3-33		1 g							6 g			1 g		
DDI-3-34		2 g							2 g					
DDI-3-39									3 g		4 g			
SOUTH PIPE(R)		5 g				10 g		1 g						
H DIKE		6 g				3 g								
H DIKE2					1 g	2 g		4 g						
CROSS DIKE F									4 g		2 g			
H2SS-3						6 g								
H2RX-10		1 g	1 g	1 g		2 g			3 g					
5265	1 andradite					4 g			1 g		1 g			
5294(R)			16 g	4 g					15 g		6 g			
DDI-6-12									1 g					
DDI-6-17									2 g					1 g
DDI-6-22							1 g		1 g		2 g			
MC-2									1 g	1 g	4 g			
MC-3											5 g			
MC-5									3 g					
MC-9						1 g (Fo65)			1 g					
MC-10			2 g						7 g		1 g	1 g		
MC-13									6 g					
MCW-3									5 g	3 g	1 g			
MCW-6									4 g		5 g			
MCW-8		1 g							3 g		4 g			
CHASSIN-1				1 g					1 g					
VEN-2A										3 g	1 g			
AY-2									2 g		2 g			

TABLE 2:
KIMBERLITE, LAMPROPHYRE AND RELATED MINERALS
COMPILATION OF RESULTS BASED ON PETROLOGY AND ELECTRON MICROPROBE ANALYSES
TORNGAT PROJECT, QUEBEC: DIAMOND DISCOVERIES INTERNATIONAL

		(R): CRUSHED ROCK					(D): CAUSTIC FUSION RESIDUE					PARTIAL OR FULL MICROPROBE VERIFICATION OF TOTAL GRAIN COUNT							
SAMPLE NUMBER	PYROPE	ANDRADITE	CHROME DIOPSIDE	Mg ILMENITE	CHROMITE	PEROVSKITE	FOSTERITE OLIVINE	BIOTITE PHLOGOPITE	ORTHOPYROXENE ENSTATITE	Ca-Mg ALMANDINE	CHROME CLINOPYROXENE	CHROME AMPHIBOLE	Na AUGITE	YELLOW SPHENE	PINK CORUNDUM	Ti MAGNETITE	SULPHIDES		
DRX-1(D)	11 g							20%		5%					5%	20%			
DRX-2(D)	6 g		1 g							13 g			2 g		5%				
DRX-3	25%		5%	5%	2 g		15%		Tr.	30%						20%			
DRX-3(D)	2 g		3 g	5%	5%			70%			7 g				2 g				
DRX-4(D)							Tr.								80%	5 g			
ARX-1						15%	10%	70%								5%			
ARX-1(D)			1 g	Tr.	Tr.	Tr.	Tr.	Tr.							1%				
ARX-2(D)		2 g	2 g			5%	2%	80%		2 g			2 g			10%			
ARY-4		9 g				80%	5%	5%								Tr.			
ARX-6		Tr.				40%	20%	20%								10 g	2 g		
22107(D)		3 g	2 g			5%		75%							12 g	5%			
5262A		10 g				1%	20%	75%								3%			
5262-H2RX-3		1%				30%	1%	5%								60%			
5265A SOIL		1 g				10%	26%	25%								20%			
5265A			1 g		2 g	1%	75%	25%											
5291(R)						5%	1%	60%											
5292(R)							3 g	80%								5%	5%		
5294?(R)				16 g	4 g			80%		12 g			4 g			5%	Tr.		
H2RX-10 F SOIL			1 g	?	?		10 g	90%								3 g			
H2RX-10							60%	40%								4 g			
ERX-1 SOIL		1 g		2 g			3 g	95%											
M DIKE						2%	4 g	90%							1%		3 g		
PF-2							2 g	95%							13 g				
TRI			1 g				90%	5%							1%				
DDI-3 S.P.I.P.E.(R)			5%				95%		1 g										
H DIKE(R)			6 g				Tr.				3 g			5%					
H DIKE2						1 g	10%	80%	4 g					Tr.		5%			
CROSS DIKE F							2 g	95%		4 g			2 g						
K DIKE 1							2%	90%								5%			
K DIKE 2		?				5%	10%	5%						5%		25%			

TABLE 2: CONTINUED
KIMBERLITE, LAMPROPHYRE AND RELATED MINERALS
COMPILATION OF RESULTS BASED ON PETROLOGY AND ELECTRON MICROPROBE ANALYSES
TORNGAT PROJECT, QUEBEC: DIAMOND DISCOVERIES INTERNATIONAL

(R): CRUSHED ROCK		(D): CAUSTIC FUSION RESIDUE					PARTIAL OR FULL MICROPROBE VERIFICATION OF TOTAL GRAIN COUNT										
SAMPLE NUMBER	PYROPE	ANDRADITE	CHROME DIOPSIDE	Mg ILMENITE	CHROMITE	PEROVSKITE	FOSTERITE OLIVINE	BIOTITE PHLOGOPITE	ORTHOPYROXENE ENSTATITE	Ca-Mg ALMANDINE	CHROME CLINOPYROXENE	CHROME AMPHIBOLE	Na AUGITE	YELLOW SPHENE	PINK CORUNDUM	Ti MAGNETITE	SULPHIDES
DDI-1-9								3 g	5 g		3 g						
DDI-1-11								Tr.	3 g								
DDI-3-16			6 g			1%	30%	40%	7 g		1 g			1%	5%	5%	
DDI-3-25									?		4 g						
DDI-3-27								60%			8 g						
DDI-3-30			5 g	?	1 g			9 g	5 g	5 g				10%			15 g
DDI-3-32			3 g					90%	4 g	2 g			3 g	Tr.		5%	17 g
DDI-3-33			1 g					90%	3 g	6 g				Tr.		5%	3 g
DDI-3-34			2 g					3 g	1 g	2 g				Tr.		Tr.	3 g
DDI-3-35		Tr.	6 g	3 g	3 g	5%	Tr.	5%	Tr.	10%	Tr.		1%	5%	Tr.	10%	5%
DDI-3-39								5 g		3 g			4 g	2 g		Tr.	
DDI-3-40			1 g					4 g			?					5 g	
DDI-3-41											1%						
DDI-4-8											10 g					Tr.	4 g
DDI-5-14									3%				?	Tr.	15%?	15%	5 g
DDI-5-23								13 g						Tr.	1%?		3 g
DDI-6-30								5%						3%			5 g
DDI-6-38								1 g	4 g		2 g						6 g
XP-3							1 g		1 g		5 g		3 g		1%	1%	1%
XP-8	1 g		1 g							1 g			2 g				1%
MC-2							4 g	1 g		1 g	1 g	1 g	4 g				
MC-3													5 g				
MC-9							1 g (Fe65)	12 g		1 g							
MC-10				2 g						7 g			1 g	1 g			
MC-13										6 g							
MCW-3								4 g		5 g		3 g	1 g			Tr.	4 g
MCW-6				3 g				1 g		4 g	14 g	?	5 g				
MCW-8			1 g							3 g		?	4 g				
MCSS-5 (DD1-3)																	99%
CHASSIN-1					1 g					1 g							5%
YC-1						1%	5%	90%	3 g					Tr.	2 g	10%	
VEN-2A											12 g?	3 g	1 g				
AY-3						1 g		2 g		7 g	1%					Tr.	

KIMBERLITE AND ASSOCIATED MINERALS

Three mineral suites represent kimberlitic and lamprophyric rock units on the property. The mineral suites and a representative samples-type where the minerals are dominant include:

- 1.) DRX-3: kimberlite indicator mineral suite including: pyrope garnet, chrome diopside, chromite, picroilmenite, phlogopite, magnetite, olivine, enstatite and eclogite garnet.
- 2.) 5262: andradite garnet, perovskite, magnetite, phlogopite, chrome diopside and olivine.
- 3.) DDI-3-30: chrome diopside, enstatite, phlogopite, olivine, apatite, pyrite, ilmenite and eclogite garnet.

Photographs of the three mineral suites accompany this report. Plots of the minerals chemistries and comparisons to known diamond-bearing kimberlite are presented in Figure's 1 to 4.

Pyrope Garnet

All but one pyrope garnet occur in the DRX series of concentrates. Two of the samples are caustic digestion residues of rock samples collected on the property. Pyrope garnet is most prolific in the detrital sample: DRX-3, totaling approximately 25% of the heavy mineral concentrate.

The composition of selected pyrope garnets from the DRX- series of concentrates determined by electron microprobe analysis are similar to garnet occurring in typical kimberlite. The compositions correspond to "G9" type pyrope.

A single grain of pyrope was found in sample XP-8. The chemistry of the grain shows a slight increase in CaO suggesting a potential eclogite association. Chrome diopside was also found in the sample.

Chrome Diopside

1 to 6 grains of typical kimberlitic chrome diopside occur as detrital grains in seven of the DDI-3 series of samples. It is reported by Diamond Discoveries International that the samples were collected in the vicinity to several newly discovered pipe-like bodies of potential kimberlite.

Chrome diopside is most abundant in sample DRX-3 where it totals approximately 5% of the concentrate. Some of the chrome diopside in the sample occurs as intergrowths with pyrope garnet. Intergrowths of mantle fragments

attest to the complex environment of upper mantle regions and could represent favorable conditions for diamond growth.

Chrome diopside has been observed in several hand samples of kimberlitic material. Chrome diopside occurs as inclusions in 3 to 5 cm sized mantle nodules of olivine. In the concentrate of crushed rock sample DDI-3 SOUTH PIPE, chrome diopside totals approximately 5% of the mass of the nodule. Small inclusions of chrome diopside also occur in pellet-shaped olivine nodules found in several concentrates containing perovskite.

Microprobe analyses of the various chrome diopside grains found during the program coincide directly with typical kimberlite compositions of both diamond and non diamondiferous kimberlite. Some chrome diopside appear to be chemically zoned as evident by an increase of Na₂O on the margin of some grains. Increasing Na is usually associated with eclogitic clinopyroxene. Clinopyroxene with <1.0% Cr₂O₃ have typical augite compositions and may also have an association with eclogite terrains as Na increases.

Perovskite

It is apparent by the presence of perovskite that different types of heavy mineral suites are associated with the various dikes found throughout the area. Perovskite is most prolific in the ARX / ARY series of concentrates where it totals 5 to 80% of the concentrates. Perovskite occurs in a crushed rock sample concentrate made from sample 5291. Perovskite also occurs with chrome diopside in DDI-3-16 and DDI-3-35.

Although complete microprobe analyses have not been completed, perovskite has been identified by R.L. Barnett using the E.D.S. system. Perovskite is a common mineral in kimberlite and is usually associated with groundmass material where it occurs as small crystalline grains. Perovskite found in concentrates collected in the project area occur as very small euhedral octahedral-shaped crystals in direct association (sometimes as inclusions) with large coarse grains of clear and yellow olivine and coarse- megacrystic phlogopite.

Olivine

Table 2. shows olivine is a major component of concentrates containing kimberlite and related indicator minerals. In concentrates, olivine occurs as fragments and pellet-shaped grains and in several hand samples, is seen as lens-shaped masses up to 5 x 3 cm in size. It is believed the pellets and large masses represent nodules of mantle material transported to surface via the rock enclosing the nodules. Some nodules of olivine contain inclusions of kimberlite minerals.

CHROME DIOPSIDE

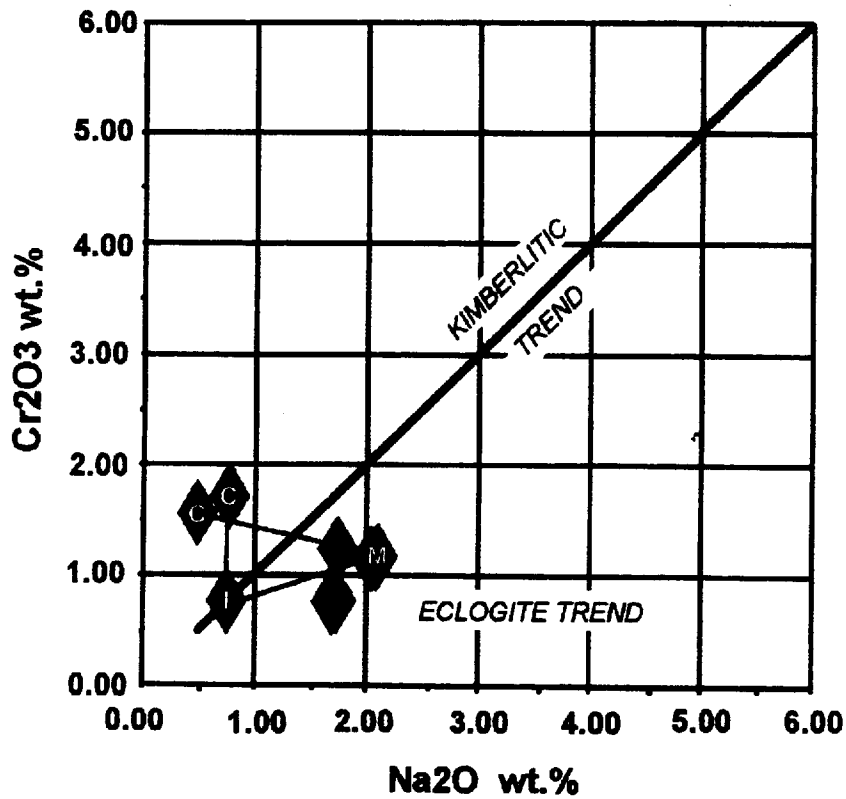
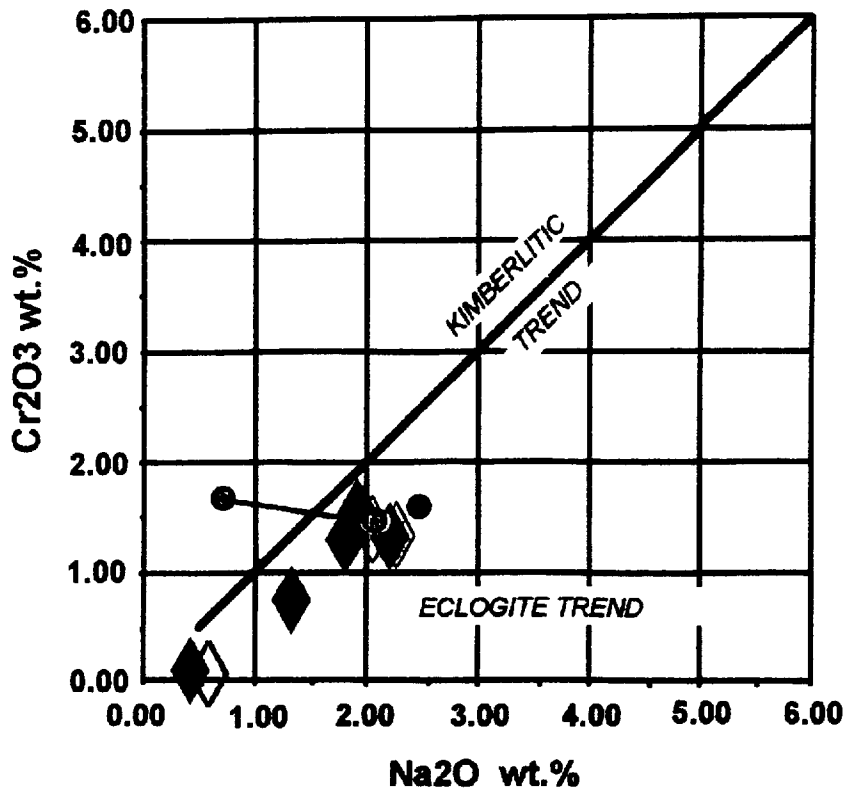


FIGURE 2.
CHROME DIOPSIDE PLOTS
DDI-3 SERIES
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL

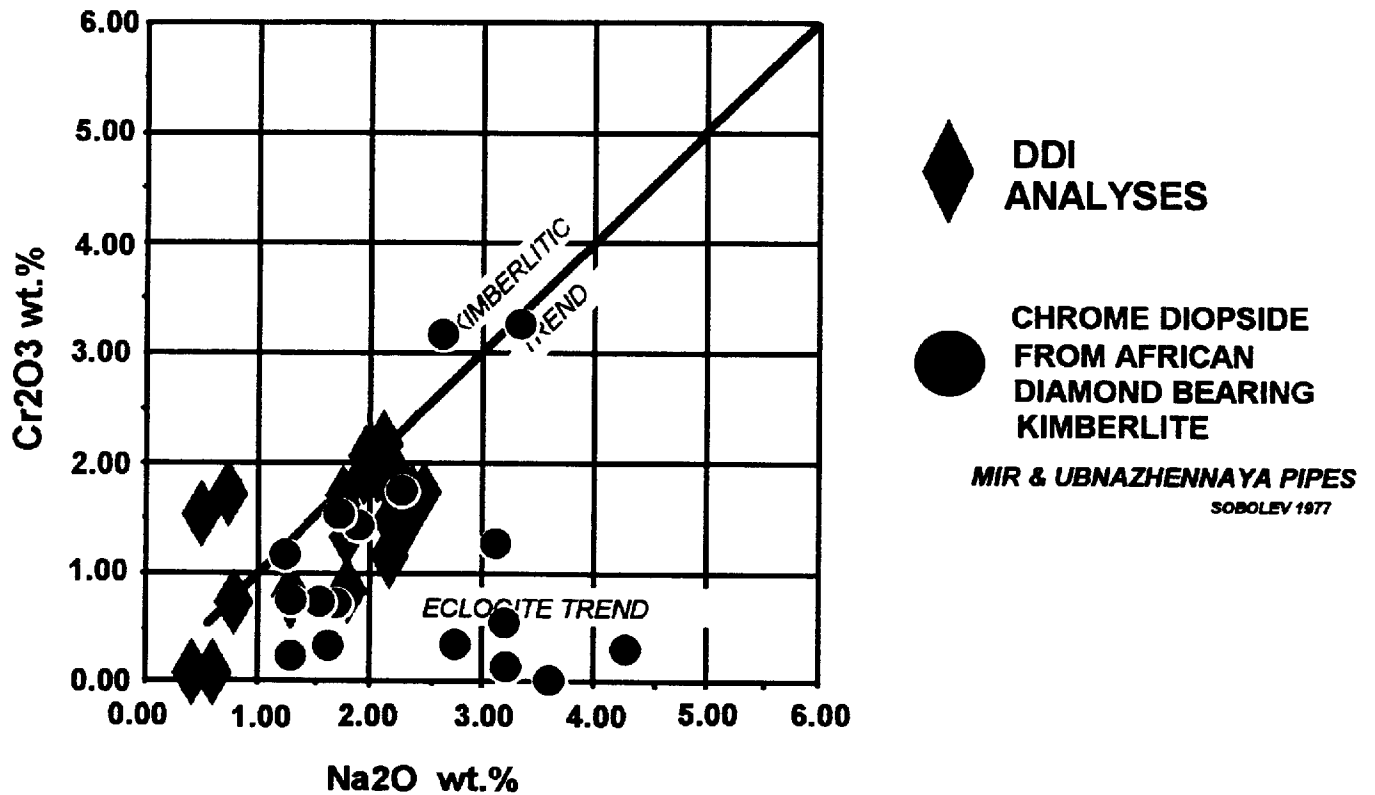
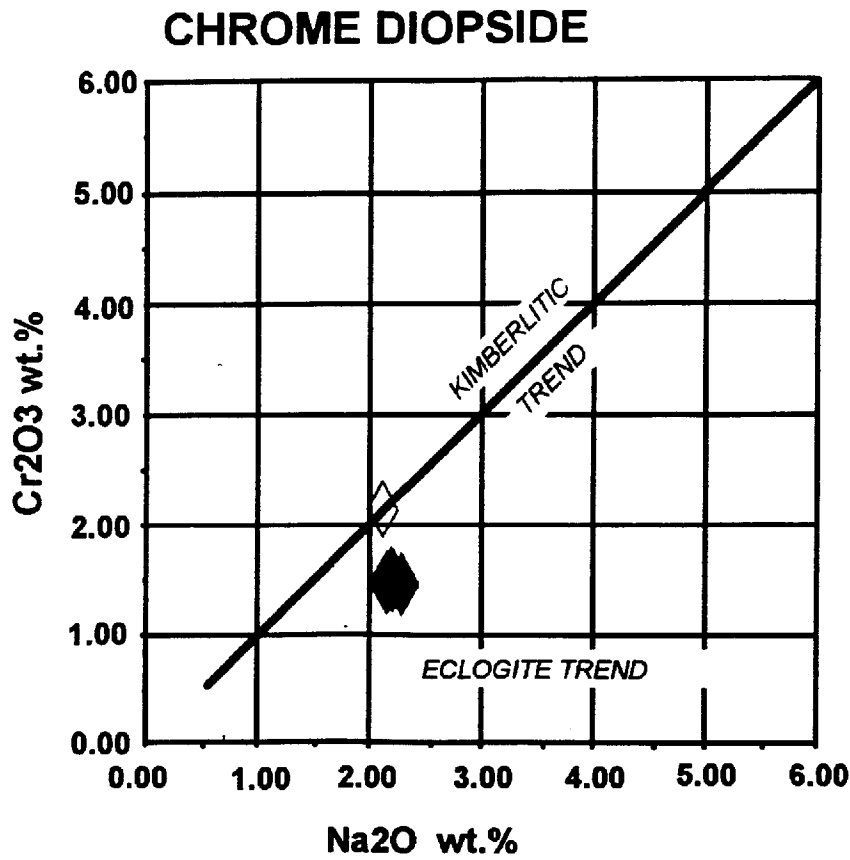
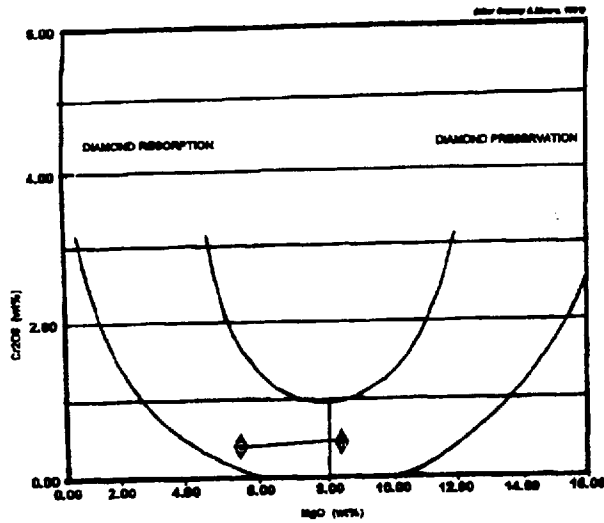
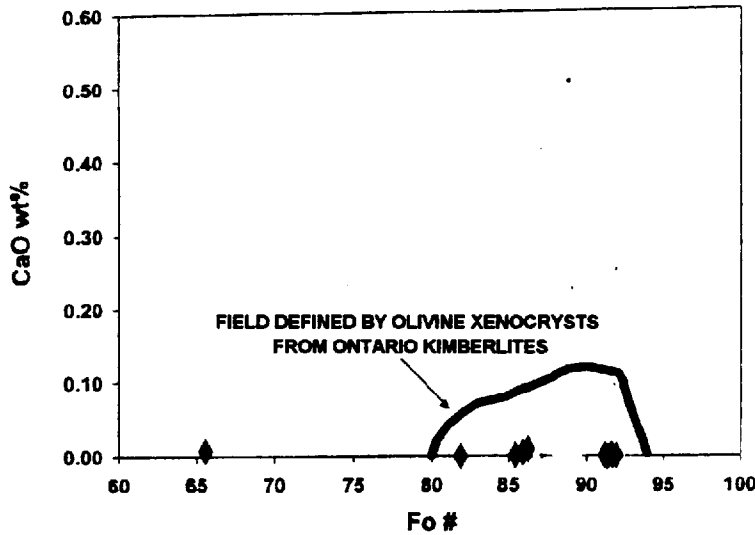


FIGURE 3.
COMPARISON OF CHROME DIOPSIDE
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL



Mg ILMENITE

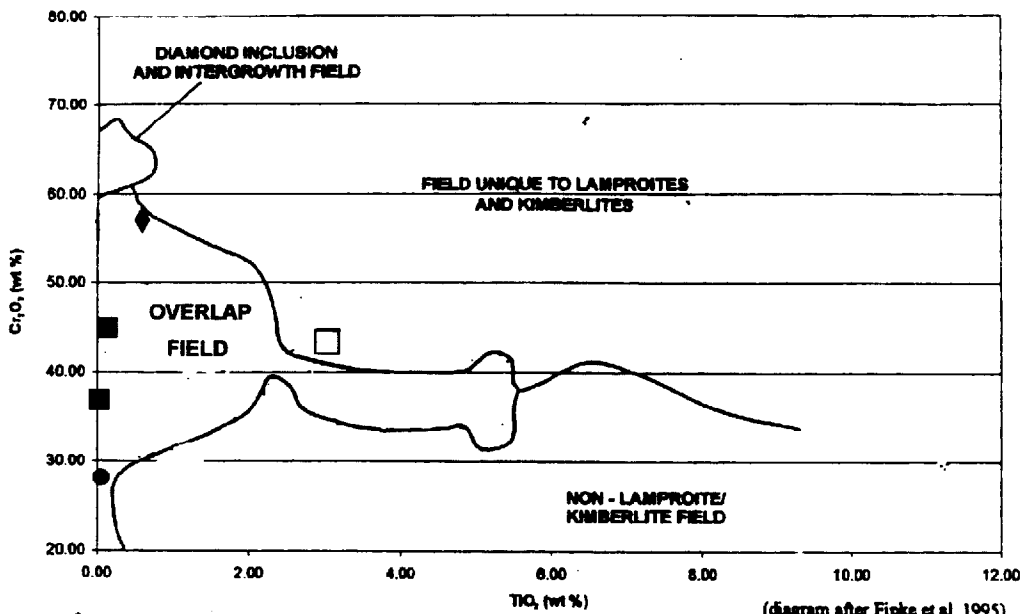
- ◆ H2RX-10 (H2-10)
- C CORE
- M MARGIN



OLIVINE

- ◆ DIAMOND DISCOVERIES INTERNATIONAL

PLOT REPRESENTS 31 ANALYSES



CHROMITE

- ◆ H2RX-10 (H2-10)
- DDI-3-30 (3-30)
- DRX-3
- CHASSIN-1 (CH-1)

FIGURE 4.

**CHROMITE, Mg-ILMENITE & OLIVINE PLOTS
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL**

Olivine associated with the dikes and heavy mineral concentrates collected in the project area are comparable to typical olivine found in both diamond and non diamondiferous kimberlite. Microprobe analyses of a number of grains show the majority of olivine is fosteritic with weighted modal percentages of MgO ranging in excess of 90% (Fo91-93). The presence of olivine in any heavy mineral concentrate indicates a source close to the sample site since olivine has a lack of resistance to weathering and is very susceptible to destruction by erosion.

Kimberlite minerals occurring as inclusions in the olivine nodules may have been incorporated before crystallization of the olivine. This would limit the distribution of kimberlite minerals (and potentially diamond) throughout the transport rock. In sample DRX-3, large grains of olivine occur separately with the kimberlite minerals, thus appearing to have crystallized simultaneously. This would not restrict the number and distribution of mantle fragments (pyrope, chrome diopside, olivine, diamond) throughout the transport rock.

Phlogopite-biotite Mica

Phlogopite-biotite mica is a major component of rock samples and heavy mineral concentrates collected in the vicinity to the kimberlite/ lamprophyre dikes occurring in the project area. Characteristically, the mica occurs as large flakes ranging 0.1 to 1.0 cm in diameter and are easily seen in the concentrates without the aid of a microscope. Colour varies with iron content and zoning is evident in some grains (Photograph 4). Biotite is generally dark brown or green and phlogopite tends to be black, silver or light brown.

In most rock samples, fine-grained mica is a major component of groundmass material. Interstitial mica occurs with olivine, serpentine, calcite, clinopyroxene, perovskite and magnetite. Biotite rich groundmass tends to be associated with lamprophyre. Due to abundance and ease of mobility, mica is usually the first recognizable detrital mineral to indicate the presence of kimberlitic/ lamprophyric rocks in the vicinity to a sample site.

Andradite Garnet

Andradite garnets (melanite) are associated with perovskite-mica-olivine bearing dikes and heavy mineral concentrates. The garnets are typically dark brown or black in colour and occur as euhedral crystals up to 1 cm in diameter.

Chromite

Five chromite grains were verified by microprobe analysis. The Cr₂O₃:TiO₂ ratios of 4 grains are non definitive with respect to source although 2 of the chromite grains were found with kimberlite minerals in sample DRX-3. A single grain of Ti-chromite was found in sample Chassin-1 (CH-1). The composition of this grain coincides with chromite unique to kimberlite and

lamproite. The highest Cr ratio, 56.25% wt. Cr₂O₃, was detected in H2RX-10 (H2-10). This sample contains large volumes of phlogopite and other kimberlite minerals. A single grain of chromite occurs with chrome diopside in sample DDI-3-30 (3-30). It is reported by Diamond Discoveries International, the sample was collected in the vicinity to several recently discovered pipe-like structures.

Mg Ilmenite

A total of 19 Mg ilmenite grains were verified by the electron microprobe. Only one grain contains sufficient Cr₂O₃ to be considered picroilmenite. Sixteen ilmenite grains were recovered from rock sample 5294. The composition of the ilmenite plot as three distinct fields possibly reflecting: 1.) analyses on various fragments of zoned ilmenite grains; 2.) potential crystallization of ilmenite at different periods during magma ascent; 3.) introduced by crustal fragment collected as xenoliths during ascent.

A single grain of picroilmenite was detected in the concentrate of H2RX-10 (H2-10). On the basis of MgO, the microprobe analyses indicates the ilmenite is zoned. Composition as indicated by the grain margin suggests, if diamond is present conditions were favorable for diamond preservation as magma ascended. The core of the grain has similar chemistry to ilmenite in rock sample 5294.

Enstatite

9 grains of enstatite were identified by the microprobe. In sample DRX-3, enstatite is light-brown in colour and grain surfaces have weak schiller reaction with light. 4 grains of a dark green variety have been identified in rock sample 5294. Dark green enstatite also occurs in most of the DDI-3 series of samples containing chrome diopside. Enstatite is widely dispersed and is considered a good indicator for locating potential kimberlite and lamprophyre within the project area. Heavy mineral concentrate DDI-5-14 appears to contain as much as 3% enstatite although the grains have not been verified by microprobe analyses.

Ca-mg Almandine Garnet

90% of the garnet analyzed by the microprobe are calcium and magnesium bearing almandine garnet. The composition of the garnets overlaps with the eclogite garnet field found in kimberlite and with non kimberlite compositions such as those found in eclogite terrains within certain metamorphic environments. In the area of the survey, similar compositions and colours of garnet to those analyzed occur in abundance in rock units underlying the project area. For this reason, Ca-Mg almandine garnets are difficult to use as an indicator mineral of kimberlite and related rocks in this region.

Most of the Ca-Mg almandine analyzed by the microprobe were selected from samples containing kimberlite and related indicator minerals. The garnets could represent eclogite carried by the source of the kimberlite minerals. In sample DRX-3, which appears to consist of 100% kimberlite minerals, approximately 30% of the concentrate are orange Ca-Mg almandine garnet. The composition of the orange almandine do not have any certain features such increasing Na to distinguish the garnets from region sources. In DRX-1 and DRX-2 digestion residues, pink and orange Ca-Mg almandine occur with pink corundum and lesser quantities of graphite. Pink corundum and graphite occur in eclogite in diamond and non diamond bearing African kimberlite. Potentially, graphite may have been derived from xenoliths of country rock which in some areas are graphite-bearing.

Distinctive orange Ca-Mg almandine occur in several of the kimberlite mineral bearing samples of the DDI-3 series.

Pink Corundum

Lakefield Research identified pink corundum in residues of the DRX digestion samples. 303 grains of corundum were counted in the DRX-1 residue. Corundum forms approximately 80% of total residue of DRX-4. Corundum grains from sample DRX-2 were verified by microprobe.

Corundum eclogite is known to occur in diamond and non diamond bearing kimberlite. It is commonly associated with graphite in eclogite. Graphite flakes also occur in the residues of DRX series rock samples. Both corundum and potentially graphite represent some eclogite component within dikes tested.

Visually, pink corundum resembles pink almandine garnet and the author had difficulty separating the two minerals apart. Mineral counts and modal percentages for corundum should be regarded with caution until adequate microprobe analyses supports the various amounts of potential corundum seen throughout the samples.

Sphene

Orange sphene was a common constituent in the heavy mineral concentrates derived from detrital material. Orange sphene was frequently observed with large amounts of almandine garnet and probably has some regional metamorphic association.

A particular variety of yellow sphene occurs with chrome diopside in several DDI-3 series samples and in rock samples: 5294, H Dike and K Dike. The

relationship of sphene with the various dikes and pipes in the project area is uncertain. It is believed the sphene has an eclogite association similar to corundum. Some sphene observed in concentrate are in excess of 1.0 mm, clear yellow and inclusion-free and of potential gem quality.

Cr Clinopyroxene and Na Augite

Chrome clinopyroxene have <1% weight Cr₂O₃ oxide and sufficient FeO to be considered an augite. An increase in Na increases the potential to be eclogitic. Composition of some augite found within the survey area weakly overlap kimberlitic trends displayed by clinopyroxene and should be regarded with caution as to speculation of origin. Similar compositions of clinopyroxene can occur in a wide variety of non kimberlitic rocks. Future exploration should emphasis on areas where clinopyroxene occurs in concentrates with kimberlite minerals. Potential eclogitic clinopyroxene occur with kimberlitic minerals in DDI-3 series samples. Potential eclogitic Na augite occurs with pyrope, chrome diopside and Ca-Mg almandine garnet in sample XP-8.

Chrome Amphibole

Seven grains of Cr amphibole were confirmed by microprobe analyses in 3 samples. The amphibole occurs with Na augite in all three sample and with Ca-Mg almandine garnet in only two of the samples. The amphibole could be the product to alteration of a chrome bearing augite or diopside. Three Cr amphiboles where found in each of the heavy mineral concentrates: VEN-2A and MCW-3.

Magnetite

Magnetite is a major component of the lamprophyre/ kimberlitic rocks found on the property. In these rocks, magnetite occurs as fine groundmass material and as small inclusions in mica. During processing, magnetite was not removed from most concentrates of kimberlitic/lamprophyre material. In DRX-3, Ti-magnetite occur as megacryst pellet-shaped grains with an orange, rust-like rind coated the grain surfaces.

In the project area, the magnetite content of detrital-type heavy mineral concentrates generally increases in the vicinity to ultramafic rocks.

Massive magnetite was observed in the concentrates of sample MCSS-5 /DDI-3 and sample DDI-3-23. In DDI-3-23, 27 grains of magnetite were coated in malachite and azurite.

Rutile

Rutile is a common accessory mineral in a majority of the detrital-type heavy mineral concentrates collected in the project area. Most of the rutile found

in the project area occur with derived garnets derived from local metamorphic sources. Rutile totals approximately 5% of the concentrates in: DDI-5-3, DDI-5-17, DDI-6-33, DDI-6-34, DDI-3-58, MC-5, MC-12, MC-14 and AY-3. Approximately 10% rutile is reported in sample MC-13. These samples represent potential garnet-titanium targets.

Apatite

Apatite is present in most digestion residues, crushed rock sample concentrates and in several of the DDI-3 series of concentrates containing kimberlite minerals. Apatite is a common constituent of kimberlite and related rocks. Apatite associated with the kimberlitic/ lamprophyric rocks in the project area is clear and colourless and occasionally in euhedral crystal form.

Pyrite

Detrital grains of pyrite are common in concentrates collected in areas where amphiboles are a major component of the concentrate. Of particular interest are euhedral grains of pyrite found in the DDI-3 series of concentrates containing kimberlite minerals. The pyrite cubes in these samples are very distinctive due a red tarnish on grain surfaces. Pyrite is commonly found in various environments in kimberlite and has no relevance to the diamond potential.

Ilmenite

Ilmenite rarely occurs in heavy mineral concentrates collected in the project area. A significant increase in ilmenite was observed in several of the kimberlite mineral bearing samples of the DDI-3 series. The ilmenite has compositions comparable to crustal ilmenite. Ilmenite may have been introduced in xenoliths carried by the pipe structures discovered in the area.

III. DISCUSSION OF RESULTS

Diamond Discoveries International has found rocks and minerals which are associated with kimberlite or ultramafic rocks closely akin to kimberlite. Definitively, to affix the ultramafic rocks found in the project area with the name 'kimberlite' could be premature since detailed microprobe, whole rock and petrographic analyses are needed to properly match the nomenclature of kimberlite. The terms: 'kimberlite' and 'lamprophyre' have been used throughout this report as a matter of simplicity since (based on compositions of heavy mineral concentrates) no other rock name(s) could be appropriate at this time.

The majority of samples containing kimberlite minerals were collected on or very close to the sources of the kimberlite minerals. The dispersion and abundance of kimberlitic and related minerals is very limited with increasing distance from source. Limited distribution could be attributed to: 1.) glacial history; 2.) recessed nature of ultramafic rocks; 3.) rugged topography; 4.) lack of till cover. When kimberlite minerals are detected in heavy mineral concentrates, the potential for the minerals to be from a local source appears to be strong.

Speculation of diamond potential based on the results of this heavy mineral survey can not be accurately made since G10 pyrope garnet and diamond-inclusion chromite (considered by some to reflect diamond potential) were not found by this survey. It should be noted that Lakefield Research did identify diamonds in several of the dikes found in the project area and diamond-inclusion chromite was identified (in sample: H1SS-100) by a previous heavy mineral survey performed by Diamond Discoveries International. Additional analyses of potential kimberlitic grains (pyrope, eclogite garnet and black metallic grains) which have been selected but not analyzed by the microprobe could result in the detection of additional diamond indicator minerals. It is also possible the majority of diamond indicator minerals will be found in the residues of caustic digestion similar to the distribution of G9 pyrope found by Lakefield Research. It is considered by author that there is good diamond potential of the rocks on the property containing fosteritic olivine (eg. DDI-3 SOUTH PIPE) since the olivine compositions are comparable most diamondiferous kimberlite containing similar olivine mantle fragments. Olivine with >90% MgO suggests crystallization within mantle conditions with sufficient pressure and temperature to promote diamond growth. The abundant eclogite minerals found in the heavy mineral concentrates associated with the dikes and pipes clearly dictates the diamond potential needs to be explored further.

IV. CONCLUSION AND RECOMMENDATIONS

Heavy mineral concentrates collected by Diamond Discoveries International in the Tomgat region contain kimberlite minerals. Many of the heavy mineral samples were collected on or very close to the source of the minerals. Concentrates made from kimberlitic rocks found in the project area also contain kimberlite minerals. Compositions of the kimberlitic minerals determined by an electron microprobe are similar to diamond and non diamond bearing kimberlite. An abundance of potential eclogite minerals were also found with the kimberlite minerals. Diamonds are frequently found in eclogite xenoliths in kimberlite.

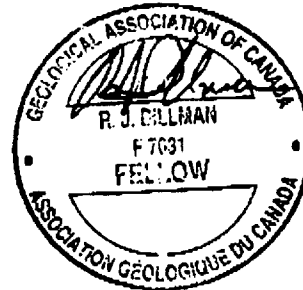
Additional heavy mineral sampling and ground exploration is recommended in the vicinity to samples containing kimberlite minerals. Emphasis should be placed on any region where olivine is present. Diamond analyses is recommended for the pipe-like structures reported to occur in the vicinity of the kimberlite-bearing DDI-3 series of concentrates. Diamond analyses is also recommended on any dike containing coarse olivine. Particular interest should be given to rocks containing perovskite, H2RX-10 and to any rocks with corundum, particularly represented by the DRX- series of samples.

Sincerely,



Robert J. Dillman B.Sc.
Arjadee Prospecting

June 24, 2002



REFERENCES

- Dawson, J.B. and Stephens, W.E. 1975. Statistical classification of garnets from kimberlite and associated xenoliths; *Journal of Geology*, v.83, no.5, p.589-607.
- Fipke, C.E. 1994. Significance of chromite, ilmenite, G5 Mg-almandine garnet, zircon and tourmaline in heavy mineral detection of diamond bearing lamproite; *in* *Diamonds: Characterization, Genesis and Exploration, Proceedings of the Fifth International Kimberlite Conference, Araxa, Minas Gerais, Brazil*, p.366.
- Gurney, J.J. 1984. A correlation between garnets and diamonds in kimberlite; *in* *Kimberlite Occurrence and Origin: A Basis for Conceptual Models in Exploration*, University of Western Australia, Perth, Western Australia, publication no.8 p.143-166.
- Sobolev, N.V. 1977. Deep-Seated Inclusions in Kimberlites and the Problem of the Composition of the Upper Mantle. American Geophysical Union.

C E R T I F I C A T E

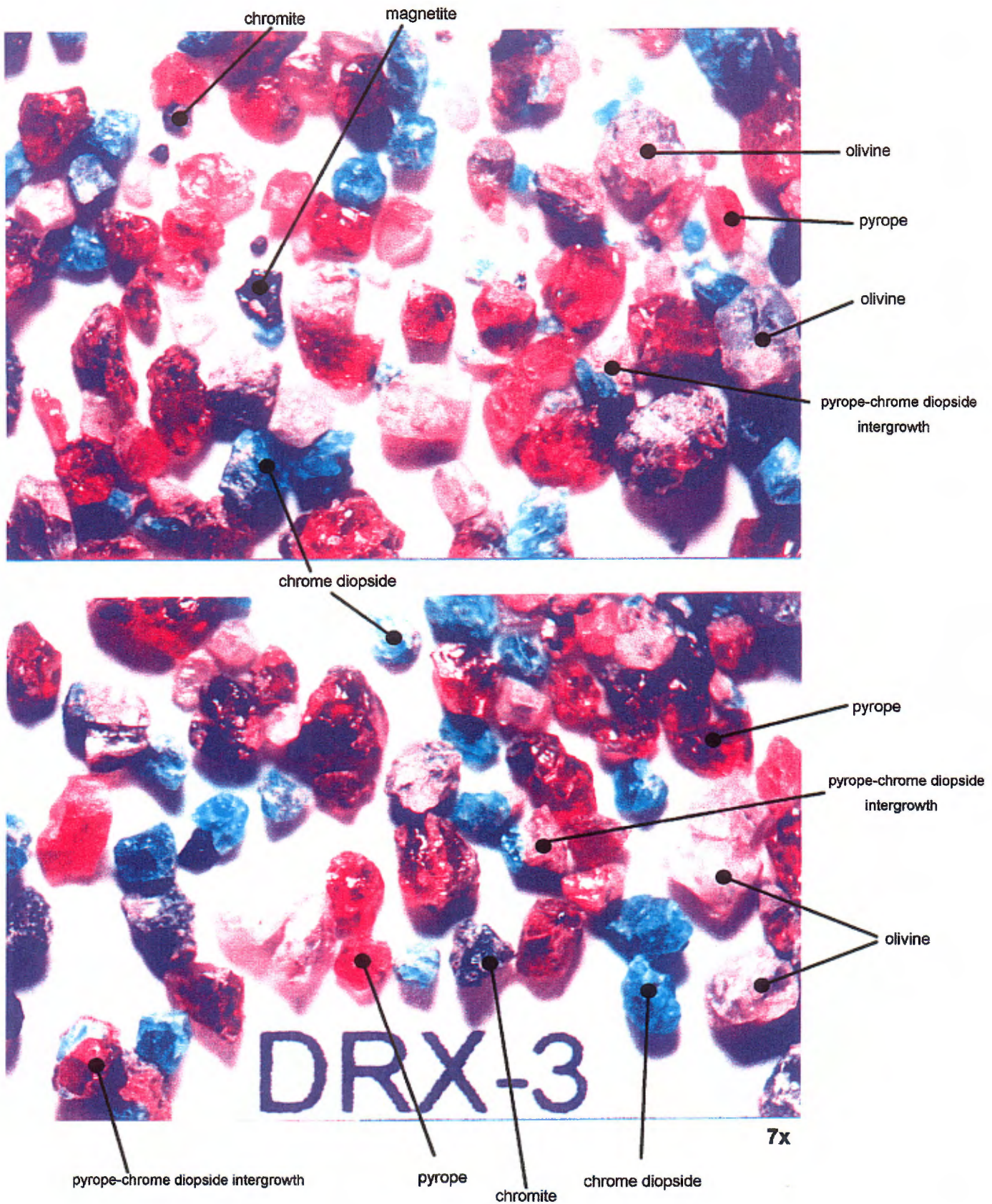
I, **ROBERT JAMES DILLMAN**, do hereby certify as follows:

- [1.] I am a **Mining Exploration Geologist** and that I reside and carry on business at **8901 Reily Drive**, in the town of **Mount Brydges, Ontario**.
- [2.] I am a **Graduate of the University of Western Ontario**, and hold a **Bachelor of Science Degree** and majored in **Geology**.
- [3.] I have been practicing my profession as a **Geologist** since **1992**.
- [4.] I am a **Licenced Prospector** in **Ontario** and have been actively engaged as a **Professional Prospector** since **1978**.
- [5.] My report, dated June 24, 2002, titled: "**REPORT ON HEAVY MINERAL EXAMINATION AND ANALYSIS, DIAMOND DISCOVERIES INTERNATIONAL, TORNGAT PROJECT, QUEBEC**" is based on information collected by myself between **September, 2001** and **June, 2002**. Any other information which has been gathered from additional sources has been cited in this report.
- [6.] The information given in this report is as **accurate** as to the best of my knowledge and I have **not stated false information** for personal gain. The interpretation of information given in this report is based on **8 years** experience as **Diamond Exploration Geologist**.
- [7.] I **authorize** the use of this report or any part of, if **proper credit** is given to the original author.
- [8.] I have **no direct, indirect or financial interest** in the property or **Diamond Discoveries International**.
- [9.] I have not visited the property.
- [10.] I am a member of the **Geological Association of Canada**.

ROBERT JAMES DILLMAN, B.Sc.
GEOLOGIST



Dated at Mount Brydges, Ontario
This 24th day of June, 2002



PHOTOGRAPH 1

Sample DRX-3 KIMBERLITE MINERALS

G9 PYROPE, CHROME DIOPSIDE, OLIVINE, CHROMITE, TI MAGNETITE

TORNGAT PROJECT, QUEBEC

DIAMOND DISCOVERIES INTERNATIONAL



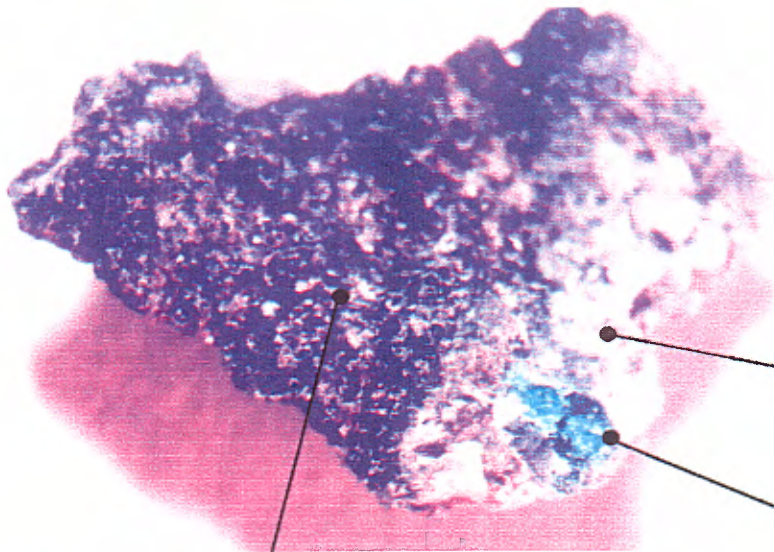
303 corundum grains
in residue



pyrope garnets &
pink corundum

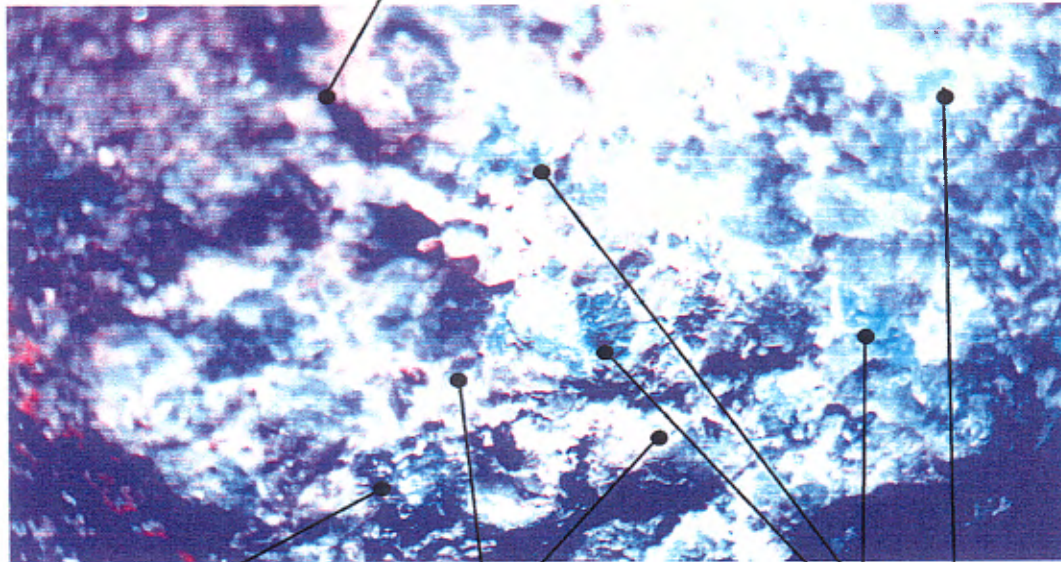
7x

PHOTOGRAPH 2
SAMPLES: DRX- 1 & DRX-2; CAUSTIC FUSION RESIDUE
PINK CORUNDUM AND PYROPE GARNET
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL



DDI-3 SOUTH PIPE
3 X 2 cm NODULE OF
OLIVINE &
CHROME DIOPSIDE

KIMBERLITE? GROUNDMASS

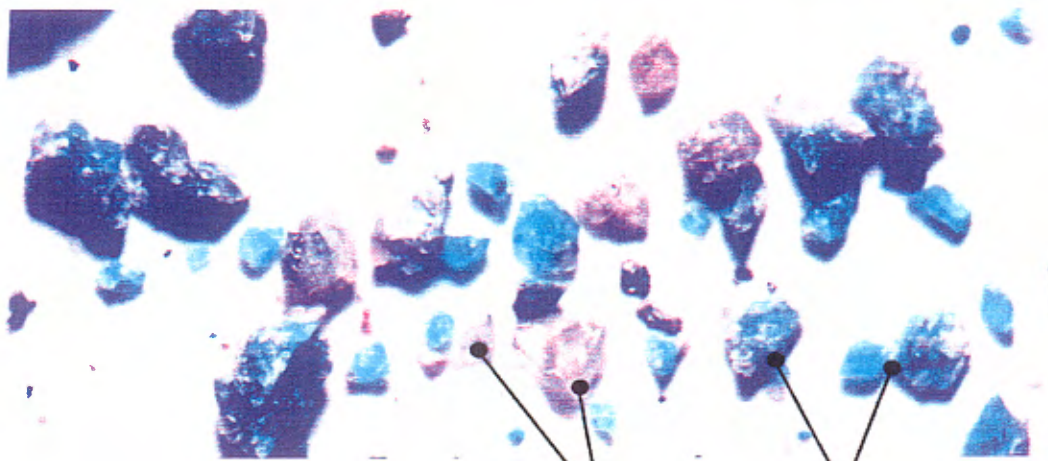


H DIKE
5 x 3 cm NODULE OF
OLIVINE +
CHROME DIOPSIDE
& Ti MAGNETITE

Ti MAGNETITE

OLIVINE

CHROME DIOPSIDE



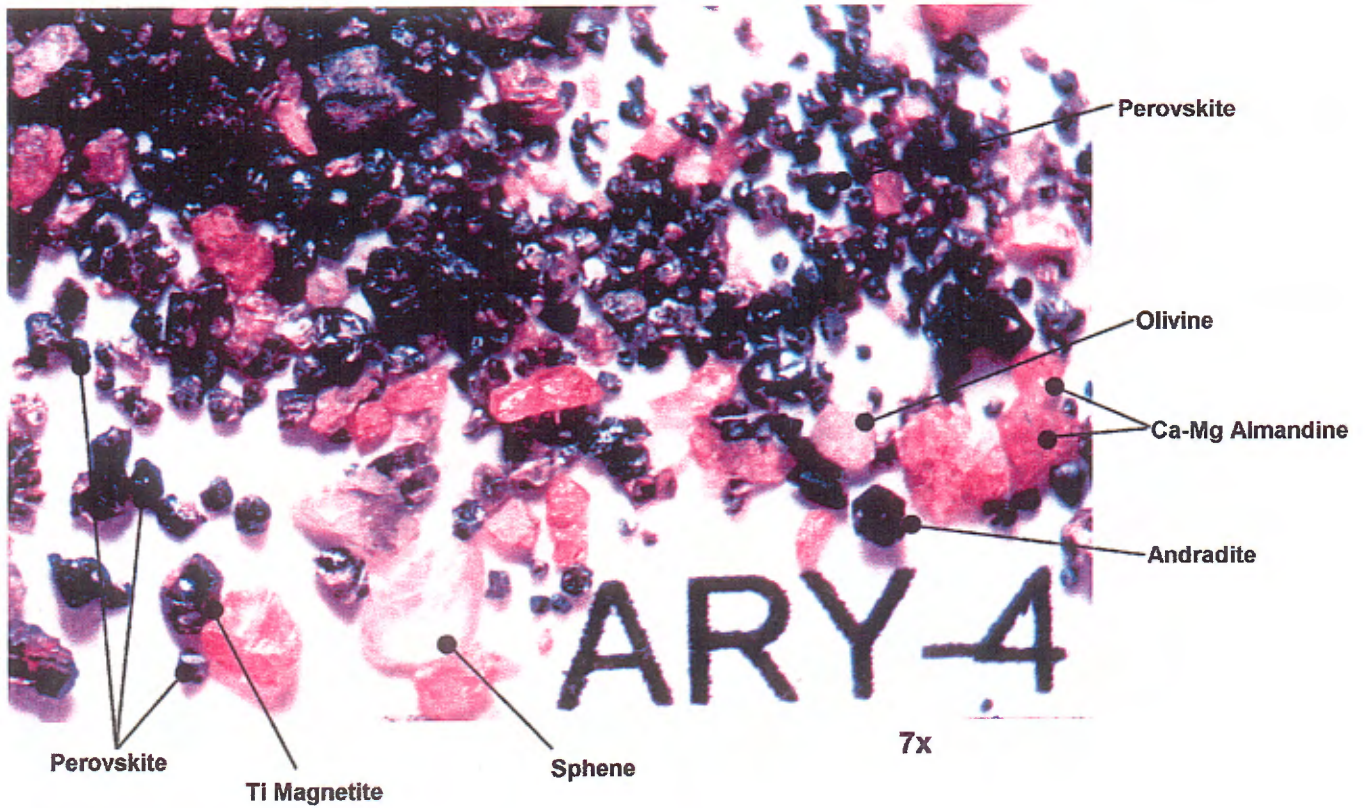
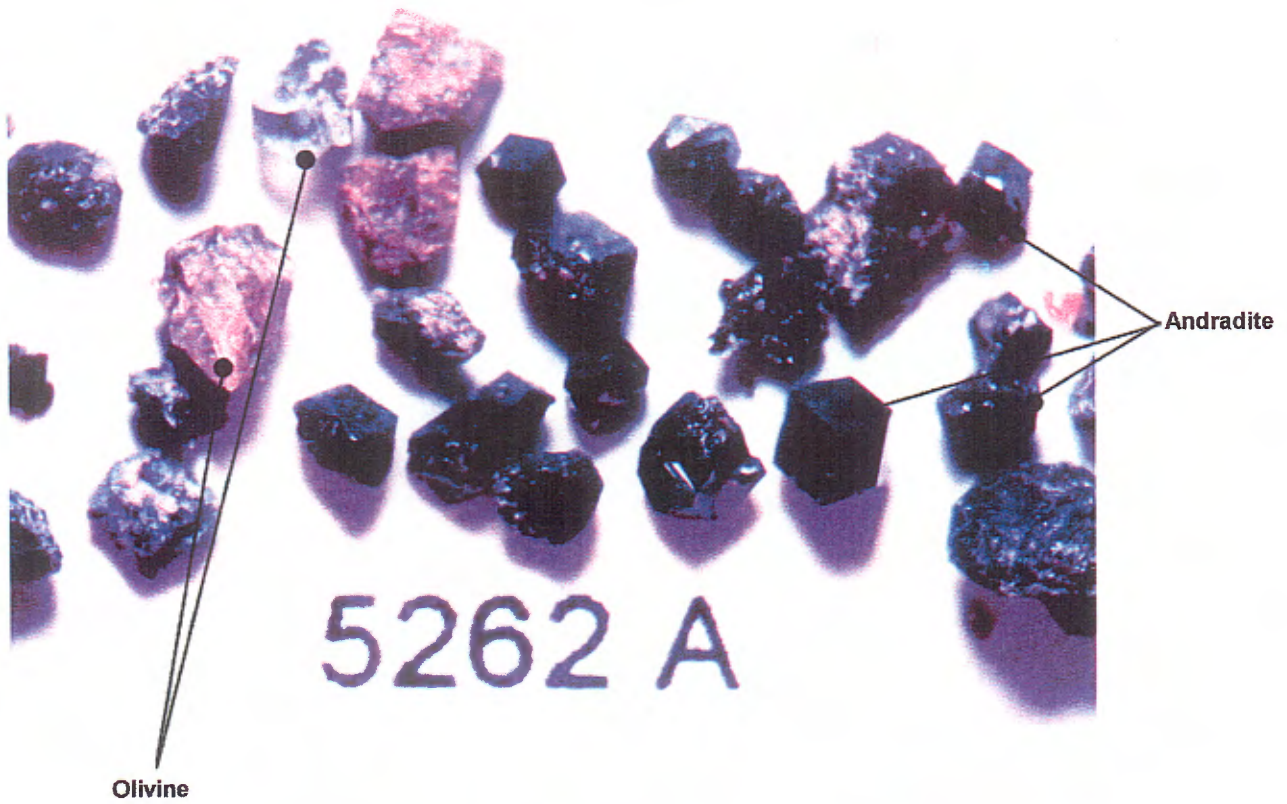
H DIKE
CRUSHED NODULE

OLIVINE

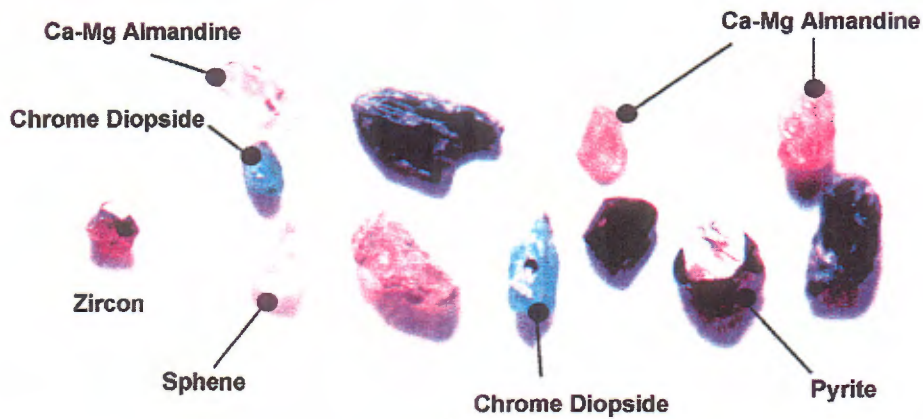
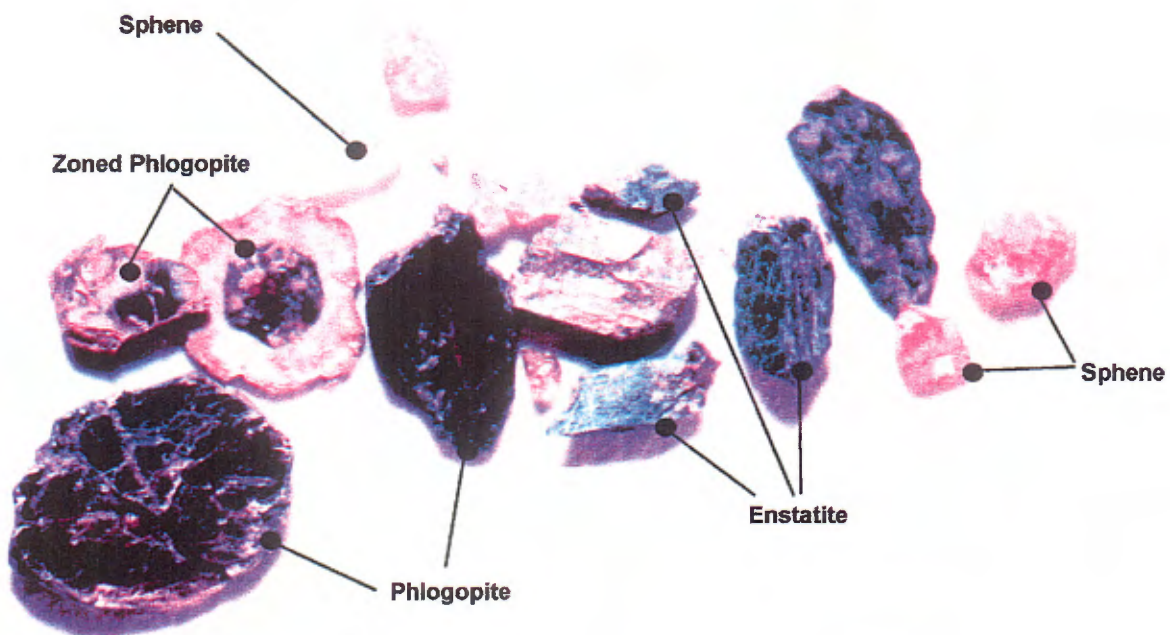
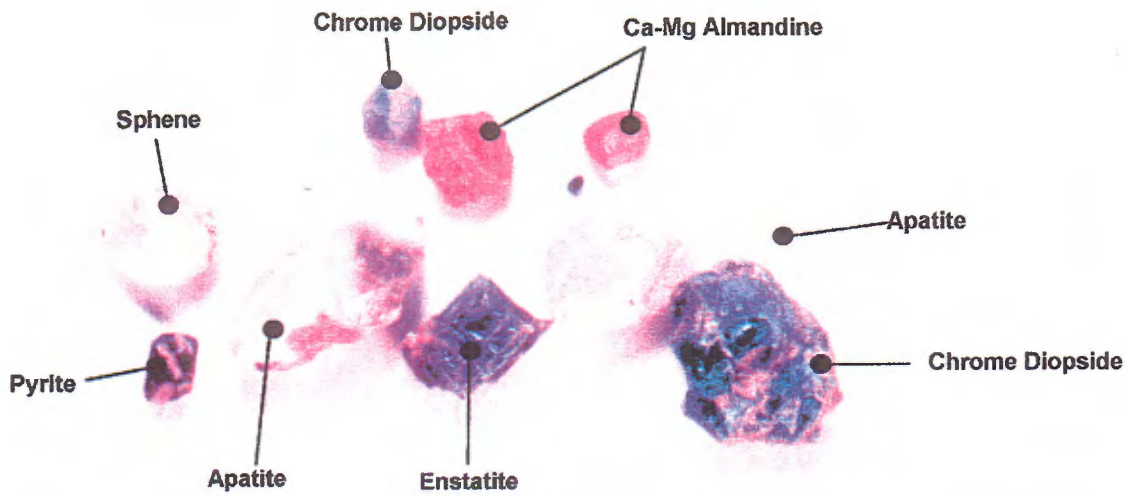
CHROME DIOPSIDE

7x

PHOTOGRAPH 3.
SOUTH PIPE & H DIKE
OLIVINE - CHROME DIOPSIDE MANTLE NODULES
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL



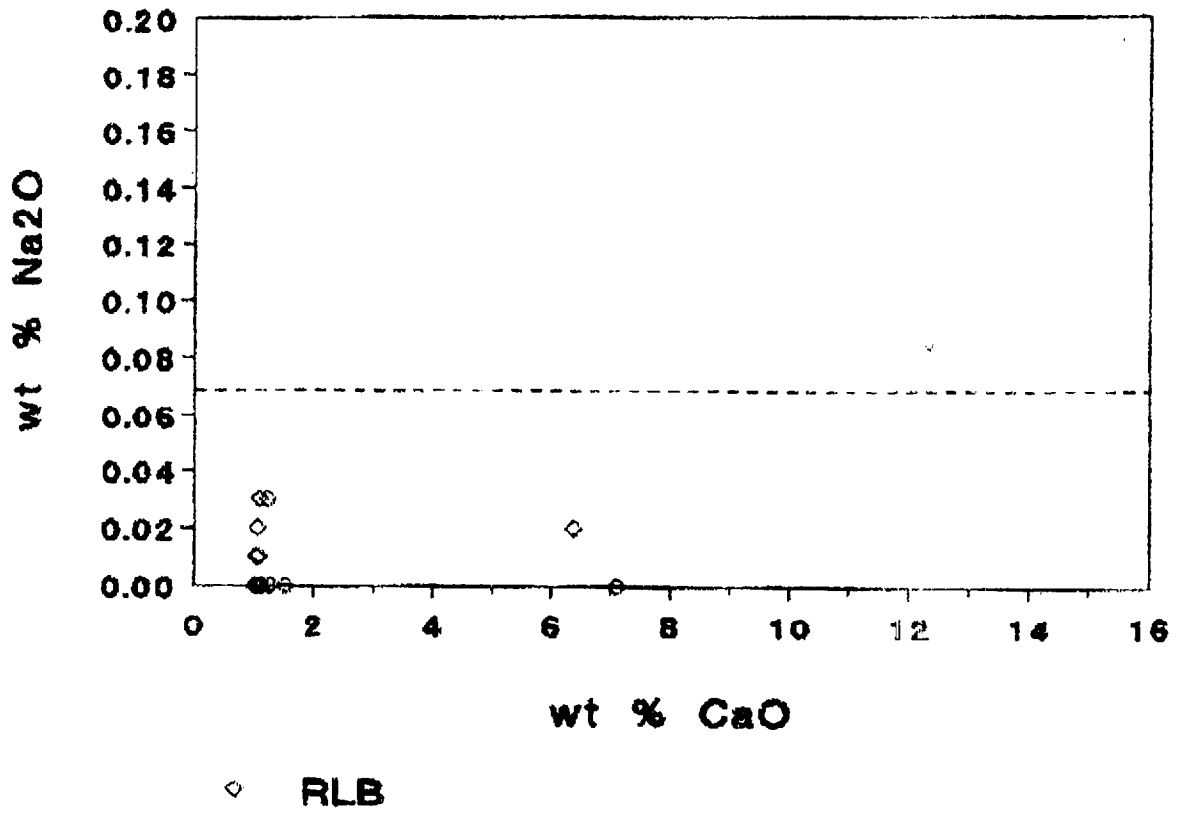
PHOTOGRAPH 4.
SAMPLES 5262 & ARY-4
PEROVSKITE, ANDRADITE, OLIVINE SUITE OF INDICATOR MINERALS
TORGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL



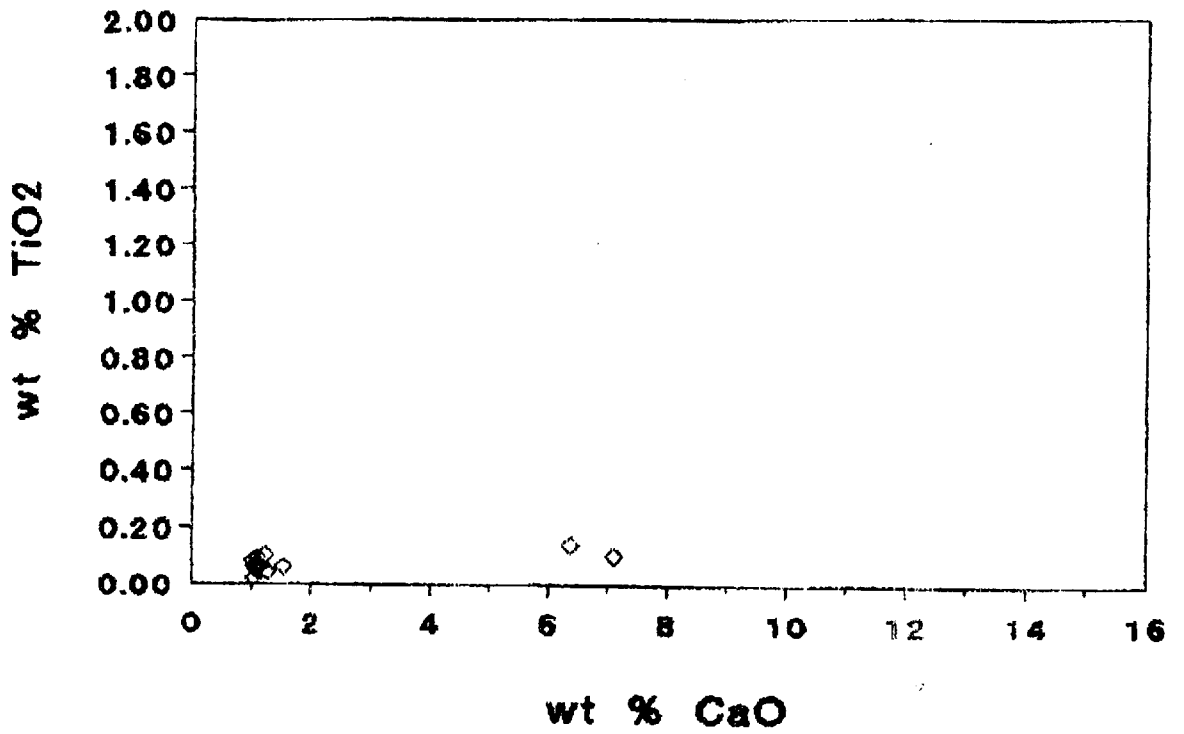
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PHOTOGRAPH 5.
DDI-3 SERIES SAMPLES
CHROME DIOPSIDE, PHLOGOPITE, SPHENE, Ca-Mg ALMANDINE
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL

ECLOGITIC GARNET - DIAMOND DISC. INT.
SAMPLE 5294

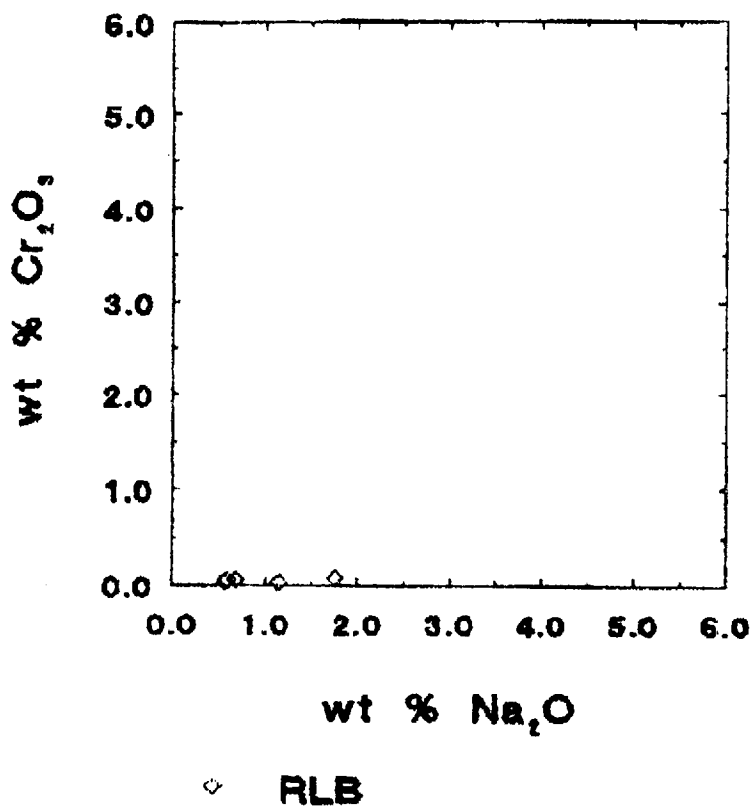


**ECLOGITIC GARNET - DIAMOND DISC. INT.
SAMPLE 5294**

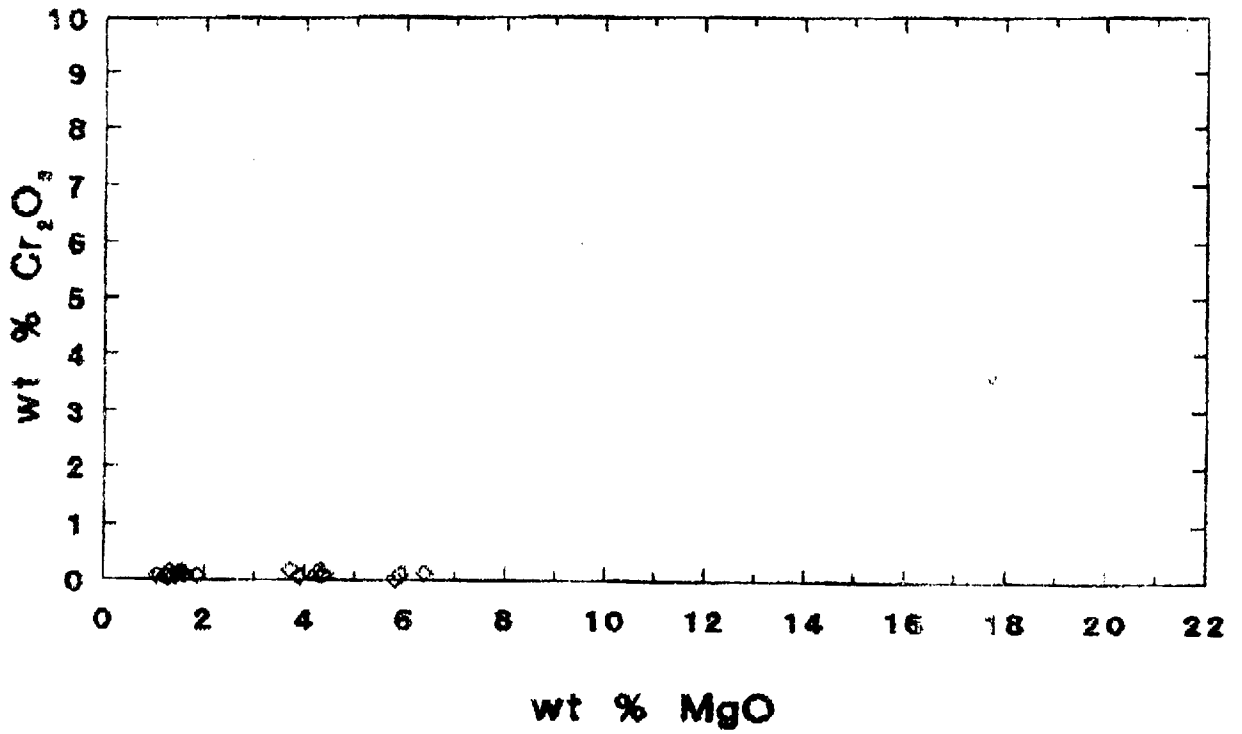


◇ RLB

**CLINOPYROXENE - DIAMOND DISC. INT.
SAMPLE 5294**

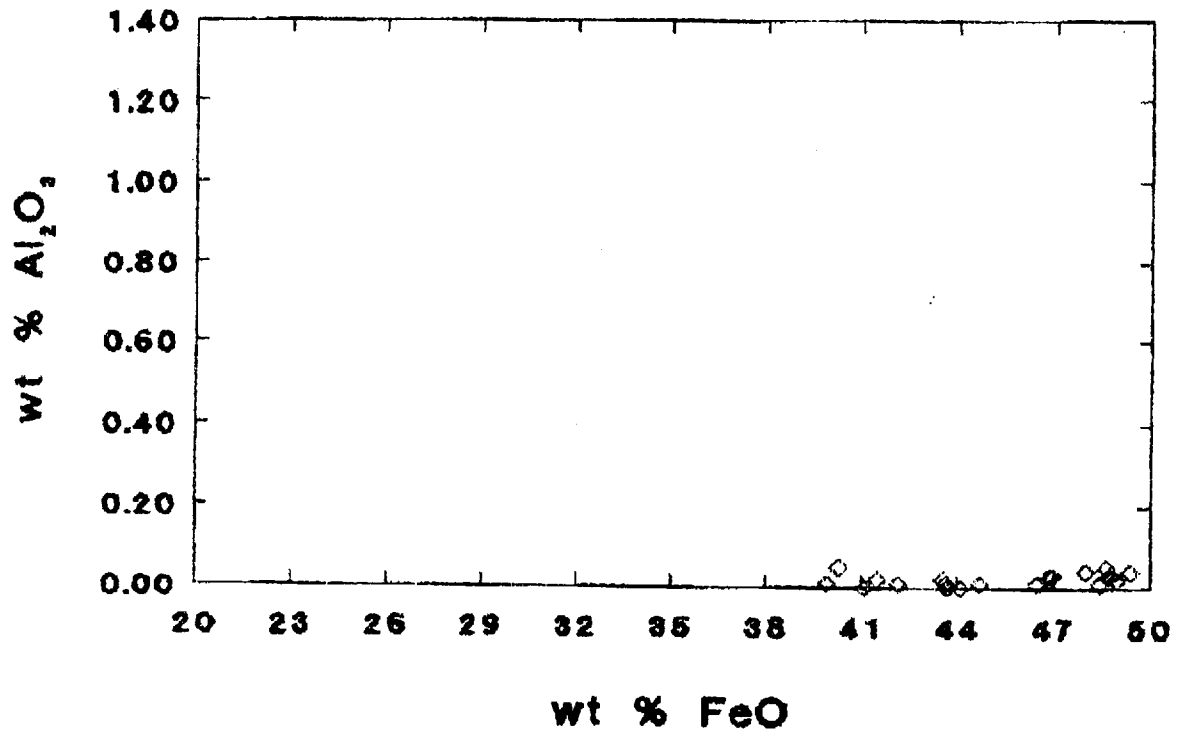


**ILMENITE - DIAMOND DISCOVERIES INT.
SAMPLE 5294**



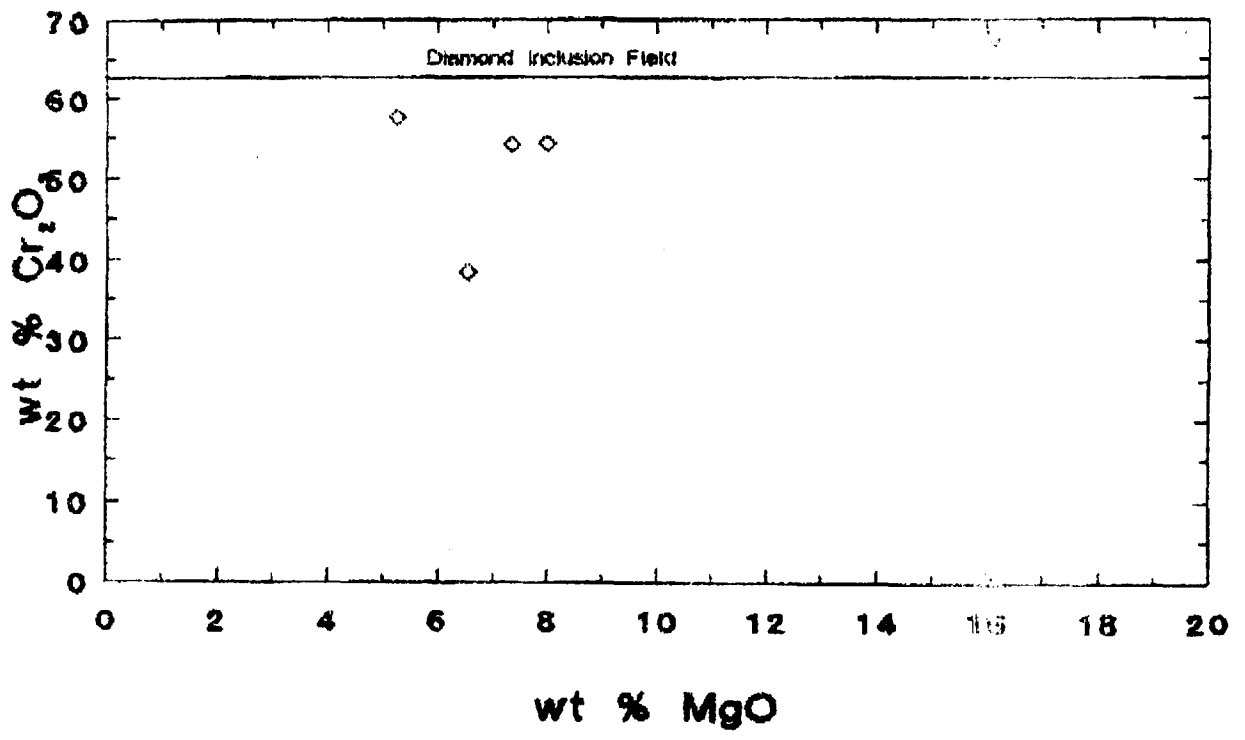
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**ILMENITE - DIAMOND DISCOVERIES INT.
SAMPLE 5294**



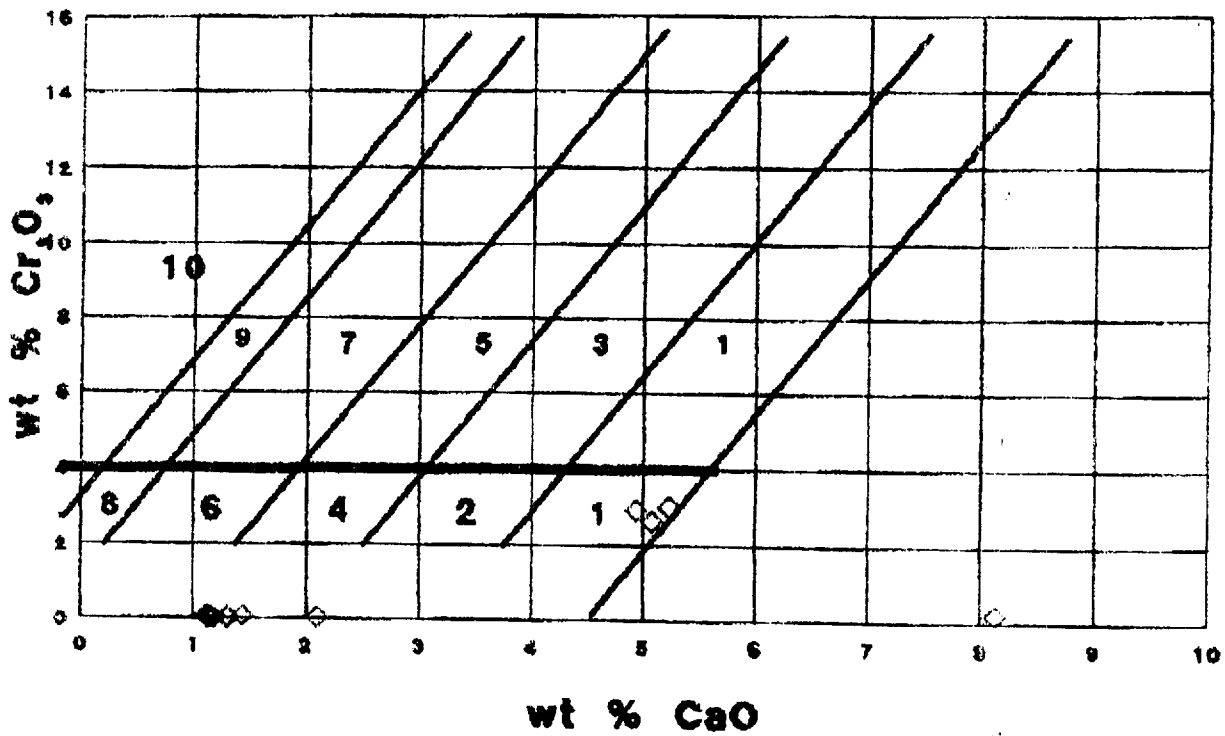
◊ RLB

**CHROMITE - DIAMOND DISCOVERIES INT.
SAMPLE 5294**



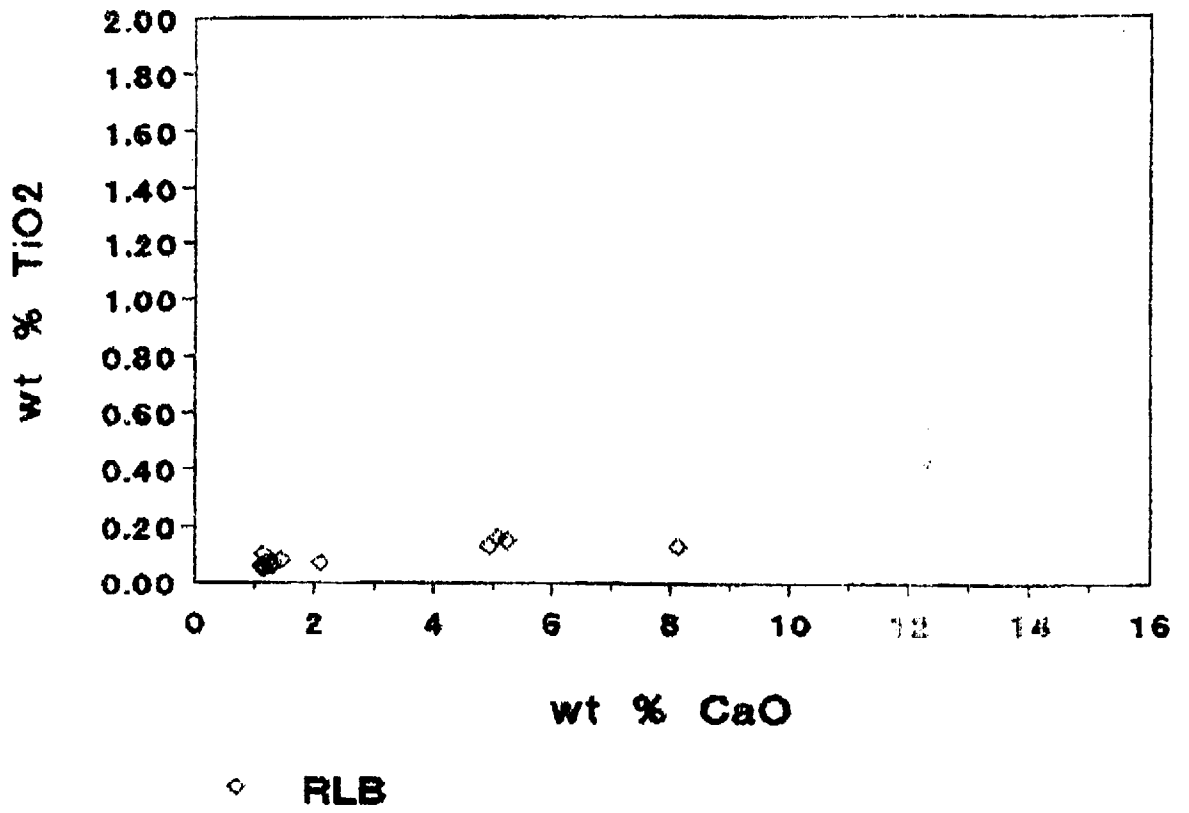
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ECLOGITIC GARNET - DIAMOND DISC. INT. SAMPLE DRX-1

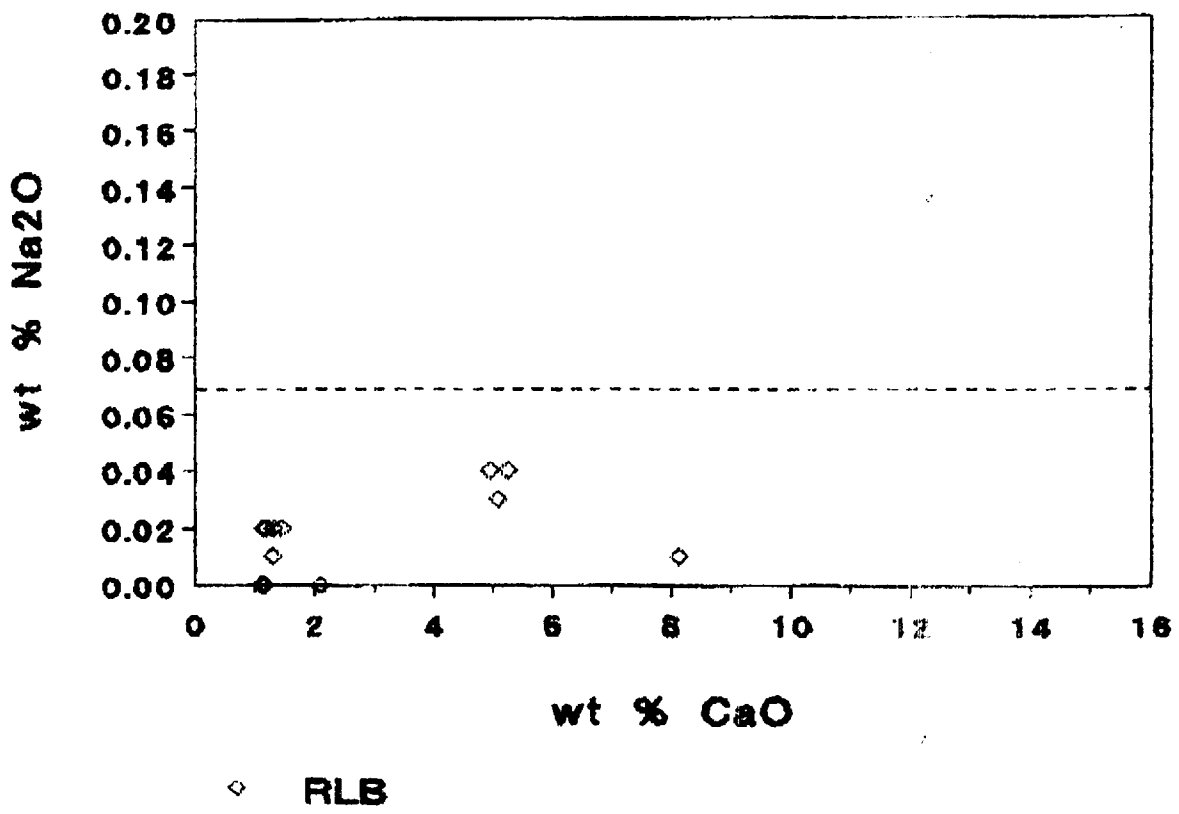


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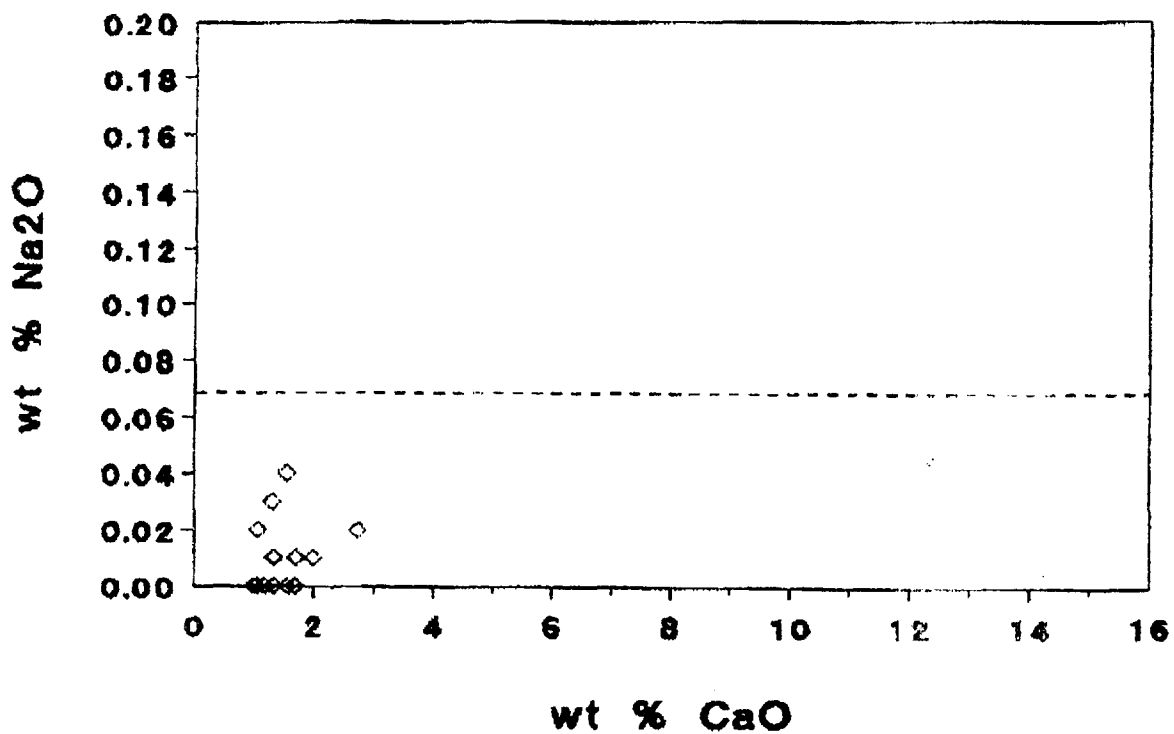
**ECLOGITIC GARNET - DIAMOND DISC. INT.
SAMPLE DRX-1**



ECLOGITIC GARNET - DIAMOND DISC. INT. SAMPLE DRX-1

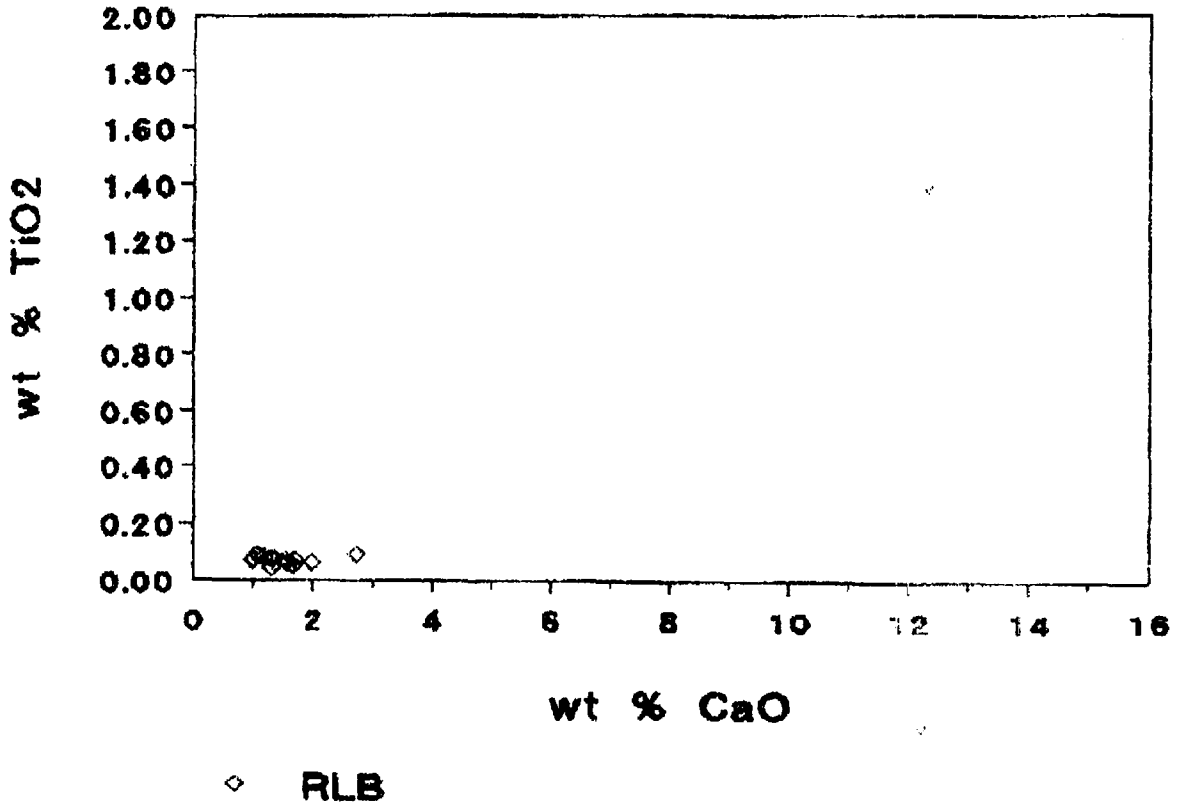


ECLOGITIC GARNET - DIAMOND DISC. INT. SAMPLE DRX-2



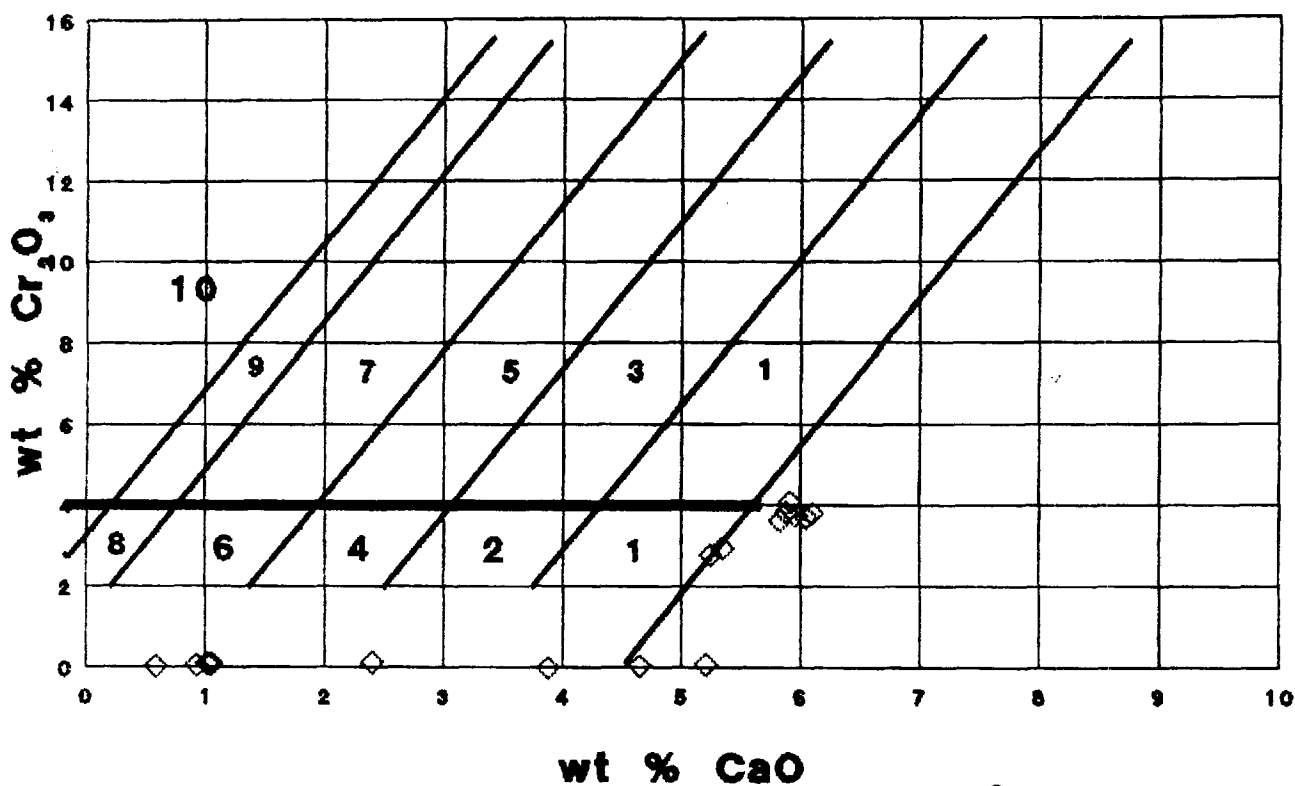
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**ECLOGITIC GARNET - DIAMOND DISC. INT.
SAMPLE DRX-2**



GARNET - TORNGAT PROJECT

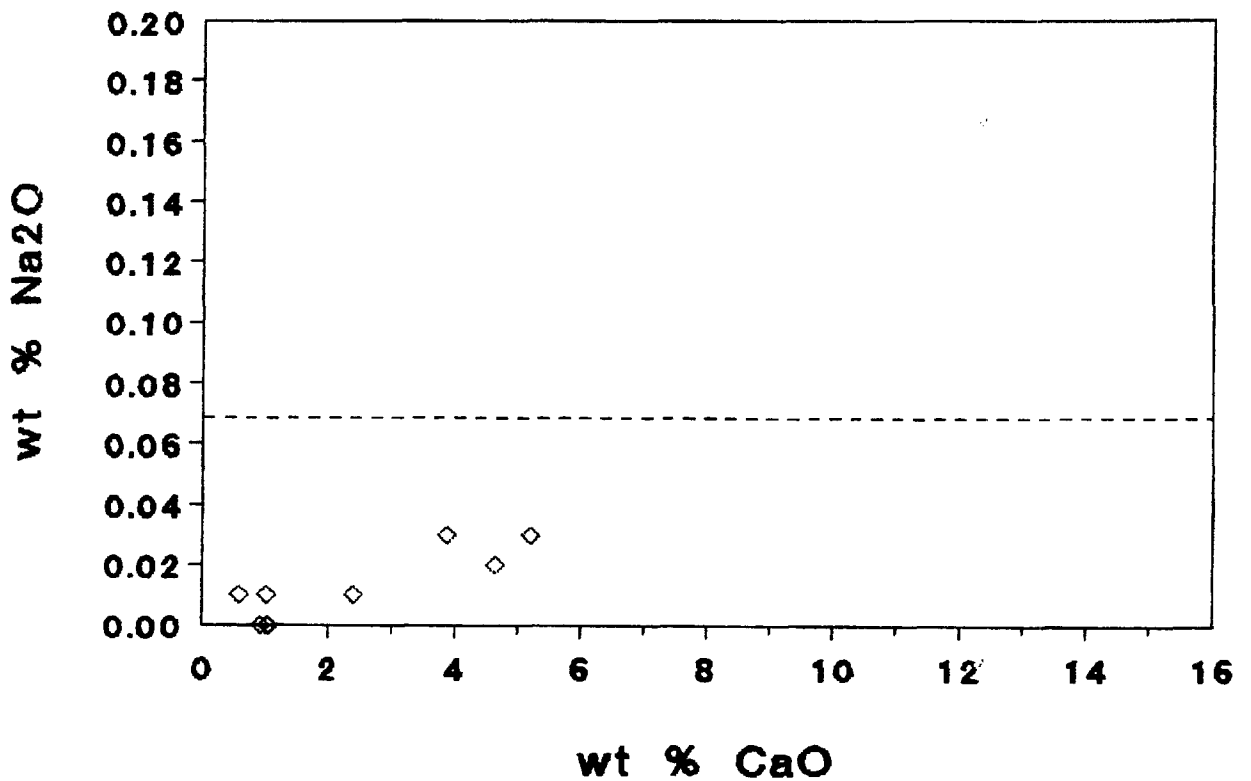
DIAMOND DISCOVERIES INT., (Sept 3 2001)



◇ RLB

DRX-3
 DDI-6-17 (6-17)
 CHASSIN-1 (CH-1)
 MC-2
 AY-2
 DDI-6-12 (6-12)

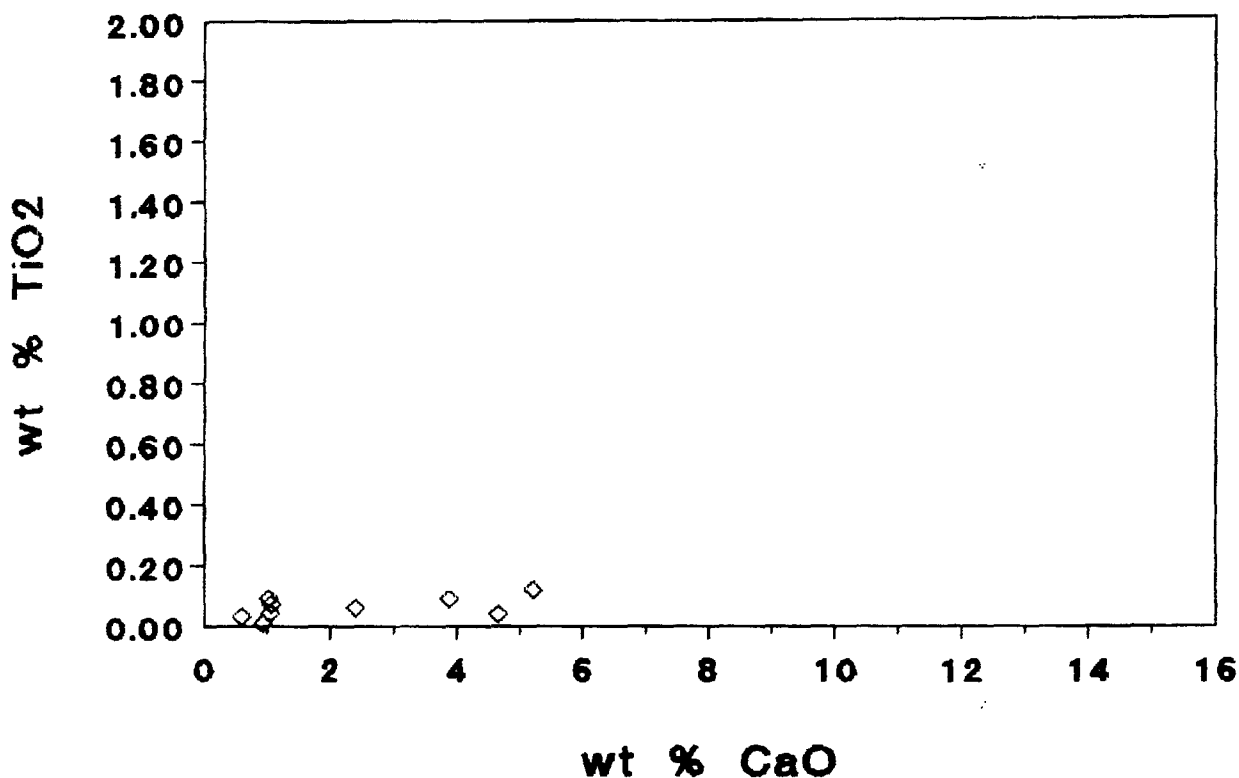
**ECLOGITIC GARNET - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 3 2001)**



◇ RLB

DRX-3
DDI-6-12 (6-12)
DDI-6-17 (6-17)
CHASSIN-1 (CH-1)
MC-2
AY-2

**ECLOGITIC GARNET - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 3 2001)**



◇ RLB

DRX-3
DDI-6-12 (6-12)
DDI-6-17 (6-17)
CHASSIN-1 (CH-1)
MC-2
A4-2

PYROPE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, September 3, 2001, R.I.E.

	1	2	3	4	5	6	7	8
SiO2	42.33	41.88	42.25	41.73	41.86	41.94	41.76	41.69
TiO2	.07	.13	.16	.11	.15	.09	.11	.08
Al2O3	22.62	21.85	21.79	21.80	21.65	22.23	22.07	21.81
Cr2O3	2.77	3.80	3.70	3.84	4.11	3.75	2.94	3.63
FeO	7.78	7.35	7.75	7.95	7.46	7.13	8.20	7.69
MgO	19.18	18.46	18.13	18.79	18.81	19.04	19.34	18.79
MnO	.44	.45	.28	.42	.35	.36	.41	.46
CaO	5.25	6.10	6.05	5.88	5.92	5.96	5.35	5.83
SUM	100.44	100.02	100.11	100.52	100.31	100.41	100.58	99.98
SI	6.006 *	5.994 *	6.040 *	5.960 *	5.979 *	5.968 *	5.955 *	5.976 *
AL	.000 6.006	.006 6.000	.000 6.040	.040 6.000	.021 6.000	.032 6.030	.045 6.000	.024 6.000
AL	3.782 *	3.680 *	3.671 *	3.629 *	3.624 *	3.695 *	3.697 *	3.659 *
TI	.007 *	.014 *	.017 *	.012 *	.016 *	.000 *	.012 *	.009 *
CR	.311 *	.430 *	.418 *	.434 *	.464 *	.422 *	.331 *	.411 *
FE	.923 *	.880 *	.927 *	.950 *	.891 *	.848 *	.978 *	.922 *
MN	.053 *	.055 *	.034 *	.051 *	.042 *	.043 *	.050 *	.056 *
MG	4.057 *	3.938 *	3.863 *	4.000 *	4.005 *	4.038 *	4.110 *	4.014 *
CA	.798 9.931	.935 9.932	.927 9.856	.900 9.975	.906 9.948	.909 9.950	.817 9.995	.895 9.96
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	.241	.237	.249	.250	.233	.221	.250	.244
F/FM	.194	.192	.199	.200	.189	.181	.200	.196

- 1 SAMPLE DRX-3 GRAIN 3
- 2 SAMPLE DRX-3 GRAIN 4
- 3 SAMPLE DRX-3 GRAIN 4
- 4 SAMPLE DRX-3 GRAIN 5
- 5 SAMPLE DRX-3 GRAIN 6
- 6 SAMPLE DRX-3 GRAIN 7
- 7 SAMPLE DRX-3 GRAIN 8
- 8 SAMPLE DRX-3 GRAIN 24

G9 PYROPE



ECL-GARNET, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, September 3 2001, R.L.B.

	9
S102	38.87
I102	.01
A203	22.78
C203	.06
FEC	27.73
MGO	9.17
NAO	.42
CAO	.93
HAZO	.00
SUM	99.97

SI	5.968	*
AL	.032	6.000
AL	4.089	*
TI	.001	*
CR	.007	*
FE	3.561	*
MN	.055	*
MG	2.099	*
CA	.153	*
NA	.000	9.964
O	24.000	*
F/M	1.723	
F/FM	.633	

9 SAMPLE 6-17 GRAIN 2

Mg ALMANDINE

ECL-GARNET, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, September 3 2001, R.I.B.

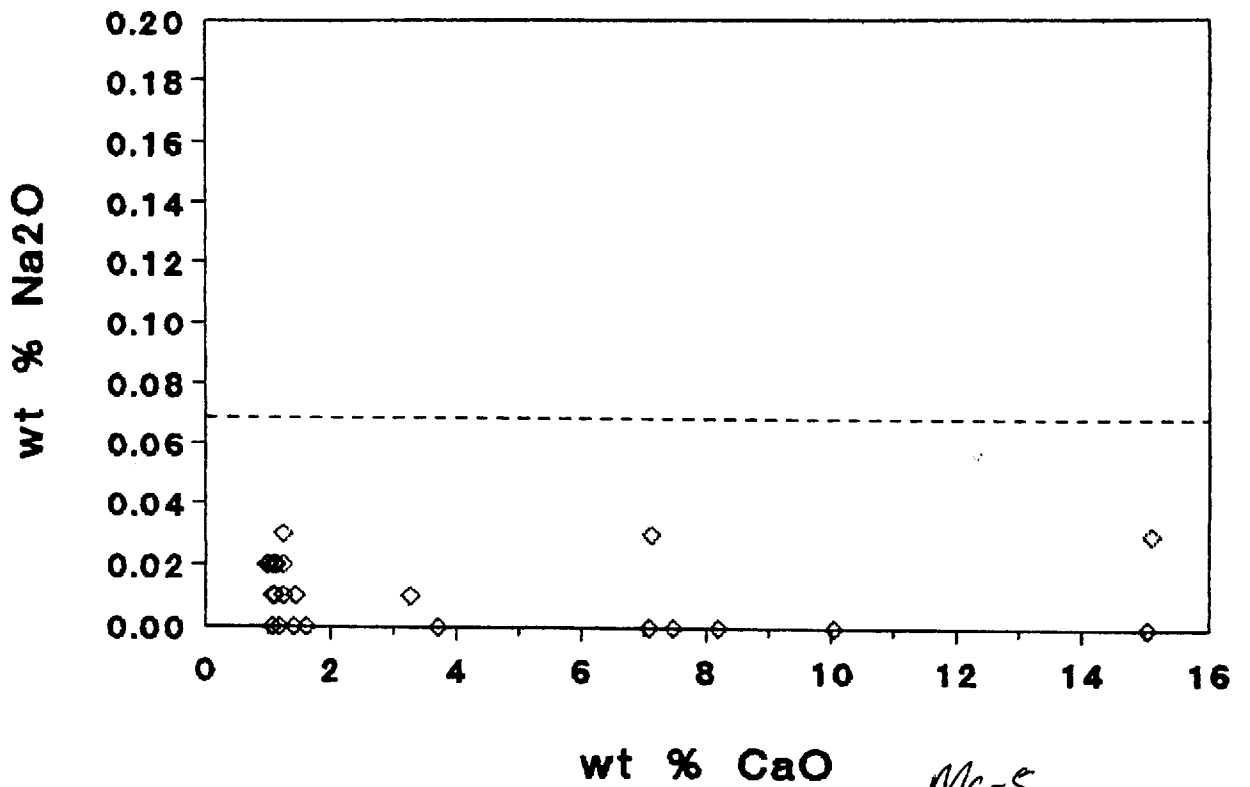
	1	2	3	4	5	6	7	8
SiO2	40.01	39.08	39.19	37.74	38.19	37.51	38.92	38.66
TiO2	.06	.07	.03	.04	.09	.12	.04	.09
Al2O3	23.15	23.07	23.30	21.86	22.25	21.81	23.07	23.29
Cr2O3	.13	.10	.04	.05	.00	.08	.09	.10
FeO	24.01	27.35	25.15	30.61	30.86	30.43	26.95	27.76
MgO	10.36	9.04	10.63	2.98	4.60	2.52	9.45	9.06
MnO	.35	.41	1.00	1.90	.62	2.10	.45	.41
CaO	2.40	1.06	.59	4.65	3.88	5.21	1.04	1.02
Na2O	.01	.00	.01	.02	.03	.03	.00	.01
SUM	100.48	100.18	99.94	99.85	100.52	99.81	99.97	100.40
Si	6.017 *	5.974 *	5.952 *	6.002 *	5.981 *	5.984 *	5.954 *	5.913 *
Al	.000 6.017	.026 6.000	.048 6.000	.000 6.002	.019 6.000	.016 6.000	.046 6.000	.087 6.000
Al	4.102 *	4.129 *	4.121 *	4.097 *	4.088 *	4.083 *	4.113 *	4.110 *
Ti	.007 *	.008 *	.003 *	.005 *	.011 *	.014 *	.005 *	.010 *
Cr	.015 *	.012 *	.005 *	.006 *	.000 *	.010 *	.011 *	.012 *
Fe	3.020 *	3.496 *	3.194 *	4.071 *	4.042 *	4.059 *	3.445 *	3.551 *
Mn	.045 *	.053 *	.129 *	.256 *	.082 *	.284 *	.056 *	.053 *
Mg	2.322 *	2.060 *	2.406 *	.706 *	1.074 *	.599 *	2.155 *	2.065 *
Ca	.387 *	.174 *	.096 *	.792 *	.651 *	.890 *	.170 *	.167 *
Na	.003 9.900	.000 9.932	.003 9.957	.006 9.940	.009 9.957	.009 9.950	.000 9.954	.003 9.970
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	1.320	1.723	1.381	6.126	3.841	7.249	1.625	1.745
F/FM	.569	.633	.580	.860	.793	.879	.619	.636

- 1 SAMPLE DRX-3 GRAIN 2
 2 SAMPLE DRX-3 GRAIN 9
 3 SAMPLE CH-1 GRAIN 1
 4 SAMPLE MC-2 GRAIN 8
 5 SAMPLE AY-2 GRAIN 1
 6 SAMPLE AY-2 GRAIN 2
 7 SAMPLE 6-12 GRAIN 1
 8 SAMPLE 6-17 GRAIN 1

Ca-Mg ALMANDINE



**ECLOGITIC GARNET - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 2001)**

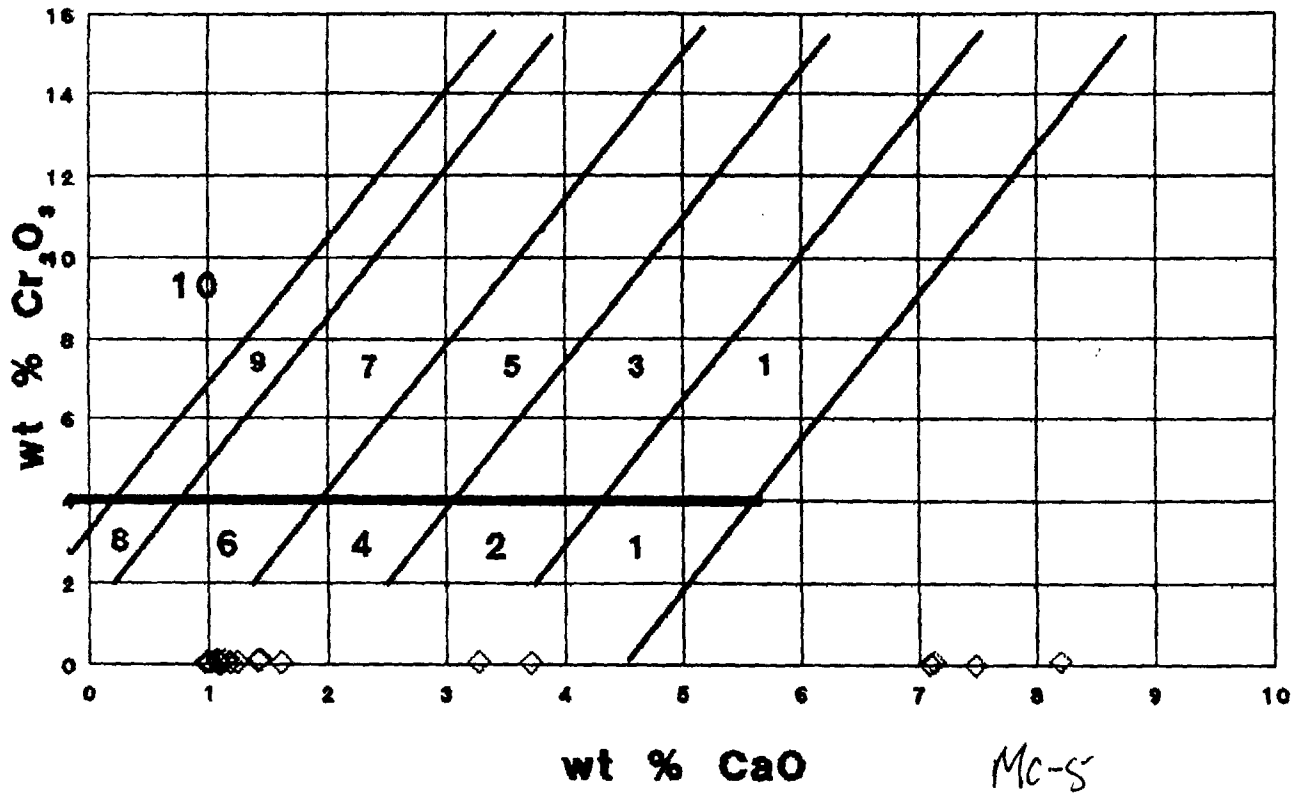


◇ RLB

MC-5
MC-9
MC-10
MC-13
MCW-3
MCW-6
MCW-8

ECLOGITIC GARNET - TORNGAT PROJECT

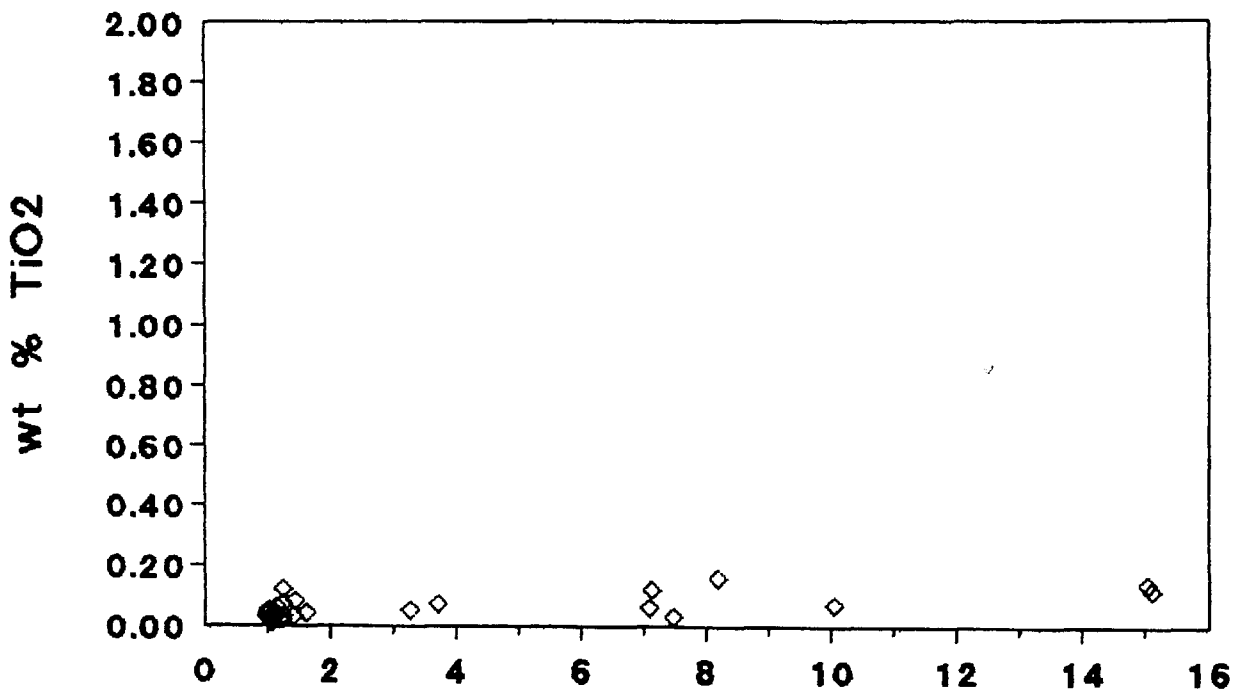
DIAMOND DISCOVERIES INT. (Sept. 11 2001)



◇ RLB

MC-5
 MC-9
 MC-10
 MC-13
 MCW-3
 MCW-6
 MCW-8

**ECLOGITIC GARNET - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 2001)**



◊ RLB
 MC-5
 MC-9
 MC-10
 MC-13
 MCW-3
 MCW-6
 MCW-8

GARRET, DIAMOND DISCOVERIES INTERNATIONAL, September 11, 2001, R.L.H.

	9	10	11	12	13	14	15	16
S102	38.42	38.10	38.87	39.04	39.24	37.81	39.51	38.05
T102	.08	.12	.02	.03	.02	.06	.04	.12
A203	22.81	22.60	22.71	22.63	22.67	21.02	22.88	21.35
C203	.13	.06	.06	.07	.07	.03	.05	.08
FE0	31.19	31.27	30.19	29.32	28.74	30.78	27.61	23.41
MG0	5.81	5.67	6.27	7.56	7.39	1.91	8.42	.62
MHC	.55	.89	.78	.51	.65	.77	.38	1.69
CAU	1.43	1.24	1.24	1.24	1.18	7.09	.99	15.11
HA20	.01	.01	.02	.02	.00	.00	.02	.03
SUM	100.43	99.96	100.16	100.42	99.96	100.07	100.19	100.46
SI	5.980 *	5.972 *	6.034 *	6.014 *	6.055 *	6.017 *	6.045 *	5.997 *
AL	.020 6.000	.028 6.000	.000 6.034	.000 6.014	.000 6.055	.000 6.017	.000 6.045	.003 6.000
AR	4.163 *	4.147 *	4.154 *	4.108 *	4.122 *	4.054 *	4.124 *	3.962 *
TI	.009 *	.014 *	.002 *	.003 *	.002 *	.007 *	.005 *	.014 *
CR	.016 *	.007 *	.007 *	.009 *	.009 *	.004 *	.011 *	.010 *
FE	4.060 *	4.099 *	3.919 *	3.777 *	3.709 *	4.096 *	3.562 *	3.086 *
MR	.073 *	.118 *	.103 *	.067 *	.085 *	.104 *	.049 *	.226 *
MG	1.348 *	1.325 *	1.451 *	1.736 *	1.700 *	.453 *	1.920 *	.146 *
CA	.238 *	.208 *	.206 *	.205 *	.195 *	1.209 *	.162 *	2.552 *
NA	.003 9.910	.003 9.922	.006 9.849	.006 9.911	.000 9.821	.000 9.927	.006 9.839	.009 10.004
C	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	3.066	3.184	2.772	2.214	2.232	2.271	1.861	22.734
F/FH	.754	.761	.735	.689	.691	.903	.653	.958

- 9 SAMPLE MC-13 GRAIN 1
- 10 SAMPLE MC-13 GRAIN 2
- 11 SAMPLE MC-13 GRAIN 3
- 12 SAMPLE MC-13 GRAIN 4
- 13 SAMPLE MC-13 GRAIN 5
- 14 SAMPLE MC-13 GRAIN 6
- 15 SAMPLE MCW-3 GRAIN 1
- 16 SAMPLE MCW-3 GRAIN 7

Ca-Mg ALMANDINE

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GARNET, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R.L.B.

	1	2	3	4	5	6	7	8
SiO2	38.78	39.01	37.60	38.57	38.72	39.86	39.23	39.35
TiO2	.03	.04	.12	.16	.07	.03	.05	.04
Al2O3	23.15	22.13	21.34	22.36	22.78	21.01	23.15	23.17
Cr2O3	.11	.06	.08	.10	.06	.08	.11	.02
FeO	27.40	30.06	31.78	25.57	31.09	26.23	26.75	27.67
MgO	8.08	6.13	1.13	3.71	5.51	9.61	9.61	8.51
MnO	1.09	.93	.99	1.85	.70	.36	.33	.38
CaO	1.41	1.61	7.13	8.20	1.24	.97	1.13	1.10
K2O	.00	.00	.03	.00	.03	.02	.02	.01
SUM	100.05	99.97	100.20	100.32	100.20	100.34	100.41	100.25
SI	5.964 *	6.077 *	6.017 *	5.984 *	6.032 *	6.038 *	5.965 *	5.012 *
AL	.036 6.000	.000 6.077	.000 6.017	.016 6.000	.000 6.032	.001 6.038	.035 6.000	.000 6.01
AL	4.159 *	4.062 *	4.024 *	4.092 *	4.182 *	4.107 *	4.113 *	4.171 *
TI	.003 *	.005 *	.014 *	.019 *	.008 *	.003 *	.007 *	.005 *
CR	.013 *	.007 *	.010 *	.012 *	.007 *	.003 *	.013 *	.002 *
FE	3.524 *	3.916 *	4.253 *	3.335 *	4.050 *	3.323 *	3.402 *	3.535 *
MN	.142 *	.125 *	.134 *	.244 *	.092 *	.045 *	.045 *	.049 *
MG	1.852 *	1.423 *	.270 *	.862 *	1.279 *	2.215 *	2.178 *	1.938 *
CA	.232 *	.269 *	1.222 *	1.370 *	.207 *	.157 *	.184 *	.180 *
NA	.000 9.926	.000 9.805	.009 9.937	.000 9.935	.009 9.836	.006 9.864	.006 9.948	.003 9.81
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	1.979	2.838	16.277	4.150	3.238	1.571	1.582	1.851
F/FM	.664	.759	.942	.806	.764	.663	.613	.641

- 1 SAMPLE MC-5 GRAIN 1 Ca-Mg ALMANDINE
- 2 SAMPLE MC-5 GRAIN 2 "
- 3 SAMPLE MC-5 GRAIN 3 Ca ALMANDINE
- 4 SAMPLE MC-9 GRAIN 3 Ca-Mg ALMANDINE
- 5 SAMPLE MC-10 GRAIN 1 "
- 6 SAMPLE MC-10 GRAIN 2 "
- 7 SAMPLE MC-10 GRAIN 4 "
- 8 SAMPLE MC-10 GRAIN 5 "

GARNET, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, U.S.B.

	1	2	3	4	5	6	7	8
SI02	38.78	39.01	37.60	38.57	38.72	39.86	39.23	39.35
TIO2	.03	.04	.12	.16	.07	.33	.06	.04
Al2O3	23.15	22.13	21.34	22.36	22.78	23.01	23.16	23.17
Cr2O3	.11	.06	.08	.10	.06	.05	.11	.02
FeO	27.40	30.06	31.78	25.57	31.09	26.23	26.75	27.67
K2O	8.08	6.13	1.13	3.71	5.51	9.61	9.61	8.51
Na2O	1.09	.93	.99	1.85	.70	.36	.35	.38
CaO	1.41	1.61	7.13	8.20	1.24	.97	1.13	1.10
MgO	.00	.00	.03	.00	.03	.02	.02	.01
SUM	100.05	99.97	100.20	100.32	100.20	100.34	100.41	100.25
SI	5.964 *	6.077 *	6.017 *	5.984 *	6.032 *	6.038 *	5.965 *	6.012 *
Al	.036 6.000	.000 6.077	.000 6.017	.016 6.000	.000 6.032	.003 6.038	.035 6.000	.000 6.012
Al	4.159 *	4.062 *	4.024 *	4.092 *	4.182 *	4.107 *	4.113 *	4.171 *
Ti	.003 *	.005 *	.014 *	.019 *	.008 *	.003 *	.007 *	.005 *
Cr	.013 *	.007 *	.010 *	.012 *	.007 *	.006 *	.013 *	.002 *
Fe	3.524 *	3.916 *	4.253 *	3.335 *	4.050 *	3.323 *	3.402 *	3.535 *
Mn	.142 *	.125 *	.134 *	.244 *	.092 *	.043 *	.045 *	.049 *
Mg	1.852 *	1.423 *	.270 *	.862 *	1.279 *	2.215 *	2.178 *	1.938 *
Ca	.232 *	.269 *	1.222 *	1.370 *	.207 *	.151 *	.184 *	.180 *
Na	.000 9.926	.000 9.805	.009 9.937	.000 9.935	.009 9.836	.006 9.864	.006 9.948	.003 9.881
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	1.979	2.838	16.277	4.150	3.238	1.521	1.582	1.851
F/FM	.664	.739	.942	.806	.764	.663	.613	.641

- 1 SAMPLE MC-5 GRAIN 1 Ca-Mg ALMANDINE
- 2 SAMPLE MC-5 GRAIN 2 "
- 3 SAMPLE MC-5 GRAIN 3 Ca ALMANDINE
- 4 SAMPLE MC-9 GRAIN 3 Ca-Mg ALMANDINE
- 5 SAMPLE MC-10 GRAIN 1 "
- 6 SAMPLE MC-10 GRAIN 2 "
- 7 SAMPLE MC-10 GRAIN 4 "
- 8 SAMPLE MC-10 GRAIN 5 "

GARNET, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R.115

	9	10	11	12	13	14	15	16
S102	38.42	38.10	38.87	39.04	39.24	37.31	39.51	38.05
T102	.08	.12	.02	.03	.02	.06	.06	.12
A203	22.81	22.60	22.71	22.63	22.67	21.62	22.88	21.35
D203	.13	.06	.06	.07	.07	.03	.09	.08
FEO	31.19	31.27	30.19	29.32	28.74	30.78	27.85	23.41
MGO	5.81	5.67	6.27	7.56	7.39	1.91	8.42	.62
MAL	.55	.89	.78	.51	.65	.77	.38	1.69
CAO	1.43	1.24	1.24	1.24	1.18	7.09	.99	15.11
NA2O	.01	.01	.02	.02	.00	.00	.02	.03
SUH	100.43	99.96	100.16	100.42	99.96	100.07	100.19	100.46
SI	5.980 *	5.972 *	6.034 *	6.014 *	6.055 *	6.017 *	6.045 *	5.997 *
AL	6.020 6.000	.028 6.000	.000 6.034	.030 6.014	.000 6.055	.000 6.017	.000 6.045	.003 6.000
AL	4.163 *	4.147 *	4.154 *	4.108 *	4.122 *	4.054 *	4.124 *	3.962 *
TC	.009 *	.014 *	.002 *	.003 *	.002 *	.007 *	.005 *	.014 *
CR	.016 *	.007 *	.007 *	.009 *	.009 *	.004 *	.011 *	.010 *
FE	4.060 *	4.099 *	3.919 *	3.777 *	3.709 *	4.096 *	3.562 *	3.086 *
MN	.073 *	.118 *	.103 *	.067 *	.085 *	.104 *	.049 *	.226 *
MG	1.348 *	1.325 *	1.451 *	1.736 *	1.700 *	.453 *	1.920 *	.146 *
CA	.238 *	.208 *	.206 *	.205 *	.195 *	1.209 *	.162 *	2.552 *
NA	.003 9.910	.003 9.922	.006 9.849	.006 9.911	.000 9.821	.000 9.927	.006 9.839	.009 10.004
CO	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	3.066	3.164	2.772	2.214	2.232	2.271	1.881	22.734
F/FM	.754	.761	.735	.689	.691	.906	.653	.958

9 SAMPLE MC-13 GRAIN 1
 10 SAMPLE MC-13 GRAIN 2
 11 SAMPLE MC-13 GRAIN 3
 12 SAMPLE MC-13 GRAIN 4
 13 SAMPLE MC-13 GRAIN 5
 14 SAMPLE MC-13 GRAIN 6
 15 SAMPLE MCW-3 GRAIN 1
 16 SAMPLE MCW-3 GRAIN 7

Ca-Mg ALMANDINE
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GARNET, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R.L.B.

	17	18	19	20	21	22	23	24
SiO2	37.75	38.07	36.84	38.55	39.45	39.63	38.65	39.53
TiO2	.07	.14	.03	.03	.02	.01	.01	.05
Al2O3	21.77	20.59	21.42	22.57	23.11	22.96	22.31	23.34
Cr2O3	.08	.02	.02	.10	.06	.13	.07	.07
FeO	27.62	23.36	32.07	30.54	26.65	26.57	29.50	26.47
MgO	1.60	.60	.96	6.56	9.58	9.76	8.10	9.51
MnO	1.41	2.14	.95	.41	.40	.29	.63	.30
CaO	10.05	15.04	7.48	1.14	1.07	1.07	3.71	1.01
Na2O	.00	.00	.00	.02	.00	.01	.00	.02
SUM	100.35	99.96	99.77	99.92	100.34	100.43	100.07	100.30
Si	5.975 *	6.045 *	5.946 *	6.005 *	5.996 *	6.012 *	6.033 *	5.999 *
Al	.025 6.000	.000 6.045	.054 6.000	.000 6.005	.004 6.000	.000 6.012	.000 6.033	.001 6.000
Al	4.035 *	3.853 *	4.020 *	4.143 *	4.134 *	4.105 *	4.103 *	4.172 *
Ti	.003 *	.017 *	.004 *	.004 *	.002 *	.001 *	.008 *	.006 *
Cr	.010 *	.003 *	.003 *	.012 *	.007 *	.016 *	.009 *	.008 *
Fe	3.656 *	3.102 *	4.329 *	3.978 *	3.387 *	3.371 *	3.851 *	3.359 *
Mn	.189 *	.288 *	.130 *	.054 *	.051 *	.037 *	.083 *	.039 *
Mg	.377 *	.142 *	.231 *	1.523 *	2.170 *	2.207 *	1.193 *	2.151 *
Ca	1.704 *	2.559 *	1.294 *	.190 *	.174 *	.174 *	.620 *	.164 *
Na	.000 9.980	.000 9.963	.000 10.010	.006 9.910	.000 9.927	.003 9.911	.000 9.868	.006 9.900
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	10.186	23.871	19.306	2.648	1.585	1.540	3.296	1.580
F/FM	.911	.960	.951	.726	.613	.607	.767	.612

17 SAMPLE NCW-3 GRAIN B ALMANDINE - Ca
 18 SAMPLE NCW-3 GRAIN 9 "
 19 SAMPLE NCW-3 GRAIN 10 -- "
 20 SAMPLE NCW-6 GRAIN 1 -- Mg-Ca ALMANDINE
 21 SAMPLE NCW-6 GRAIN 2 "
 22 SAMPLE NCW-6 GRAIN 3 "
 23 SAMPLE NCW-6 GRAIN 5 "
 24 SAMPLE NCW-8 GRAIN 1 "

GARNET, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R 1...

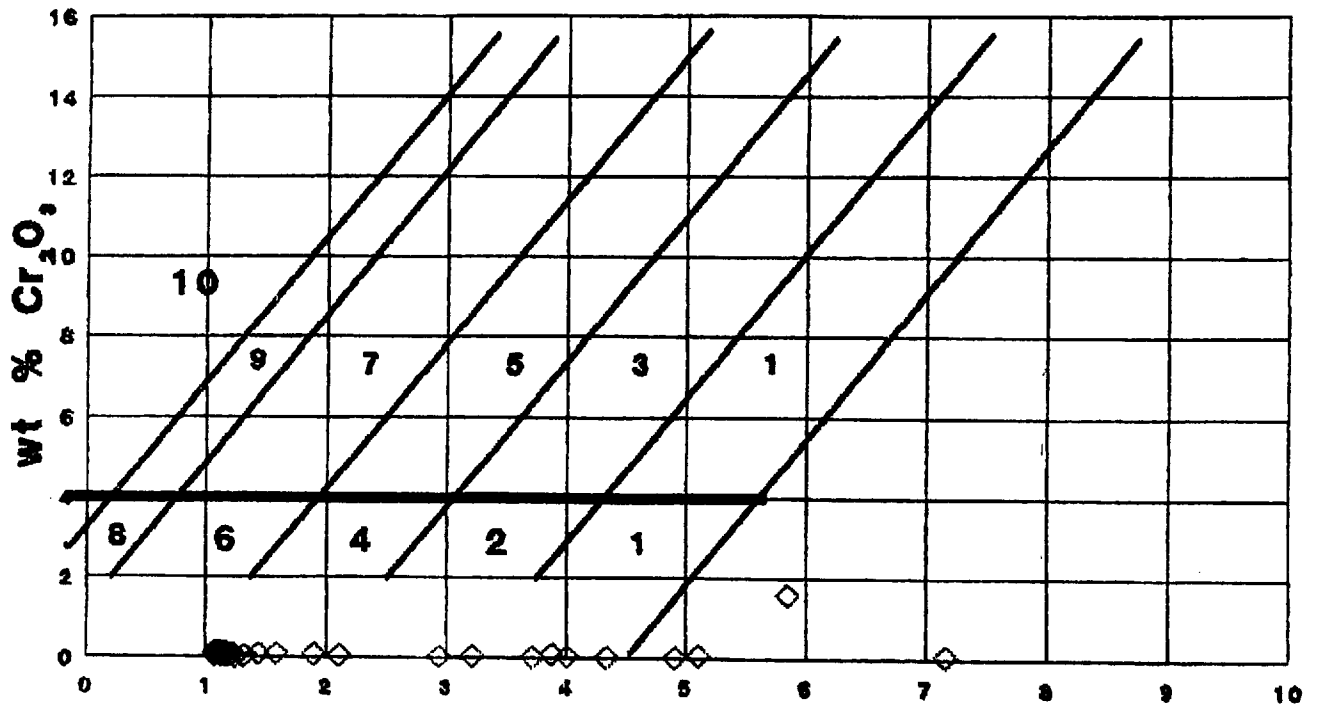
	25	26
SiO2	39.03	38.30
TiO2	.02	.05
Al2O3	22.98	22.36
Cr2O3	.05	.08
FeO	28.54	30.01
MgO	8.32	4.56
MnO	.43	1.53
CaO	1.08	3.27
Ni2O	.02	.01
SUM	100.57	100.17

Si	5.979	*	6.007	*
Al	.021	6.000	.000	6.007
Al	4.127	*	4.133	*
Ti	.002	*	.006	*
Cr	.006	*	.010	*
Fe	3.669	*	3.937	*
Mn	.056	*	.203	*
Mg	1.900	*	1.066	*
Ca	.177	*	.550	*
Na	.006	9.943	.003	9.907
O	24.000	*	24.000	*
F/M	1.961		3.883	
F/FM	.652		.795	

25 SAMPLE MCM-8 GRAIN 2 Ca-Mg ALMANDINE ECLOGITE?
 26 SAMPLE MCM-8 GRAIN 3

GARNET - DIAMOND DISCOVERIES INT.

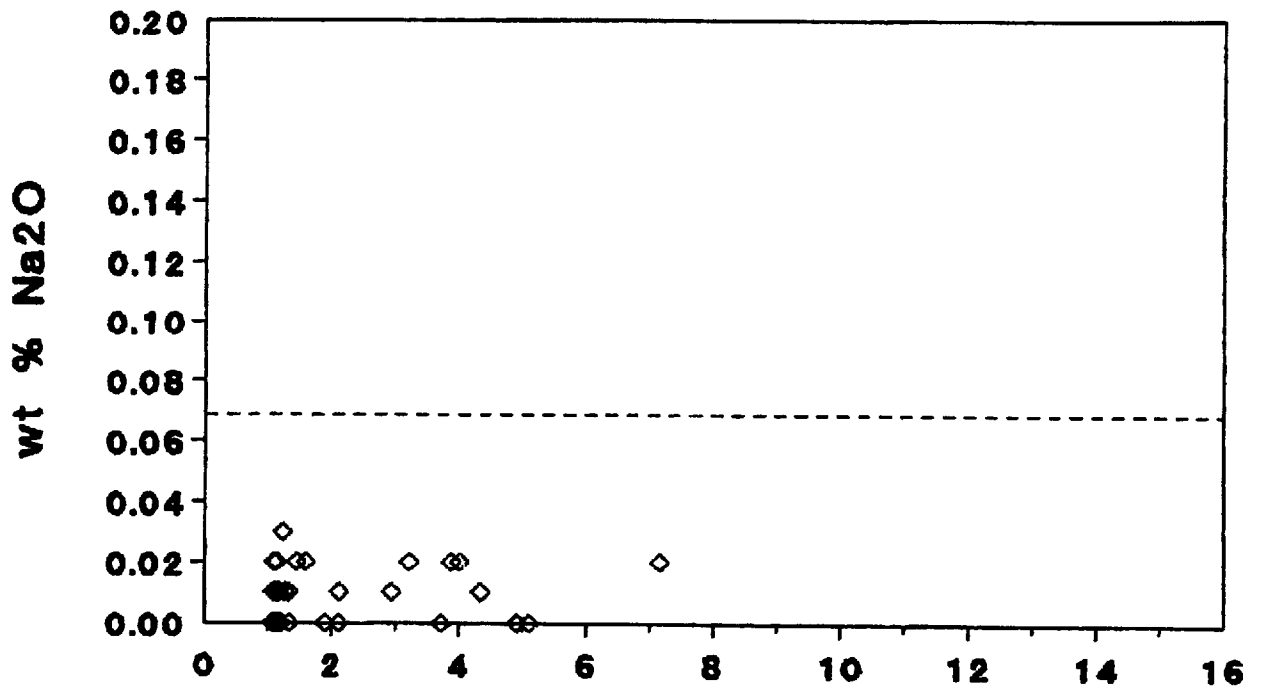
TORNGAT PROJECT November 15 2001



◇ RLB

- wt % CaO**
- DDI-3-30 (3-30)
 - DDI-3-32 (3-32)
 - DDI-3-33 (3-33)
 - DDI-3-34 (3-34)
 - DDI-3-39 (3-39)
 - ARY-4
 - CROSS DIKE F' (CDF)
 - MC-10
- HRRX-10 (H2-10)
 - XP-8
 - S262

**ECLOGITIC GARNET - DIAMOND DISCOVERIES
TORNGAT PROJECT November 15 2001**



◇ RLB

wt % CaO

XP-8

5262

DD1-3-30 (3-30)

DD1-3-32 (3-32)

DD1-3-33 (3-33)

DD1-3-34 (3-34)

DD1-3-39 (3-39)

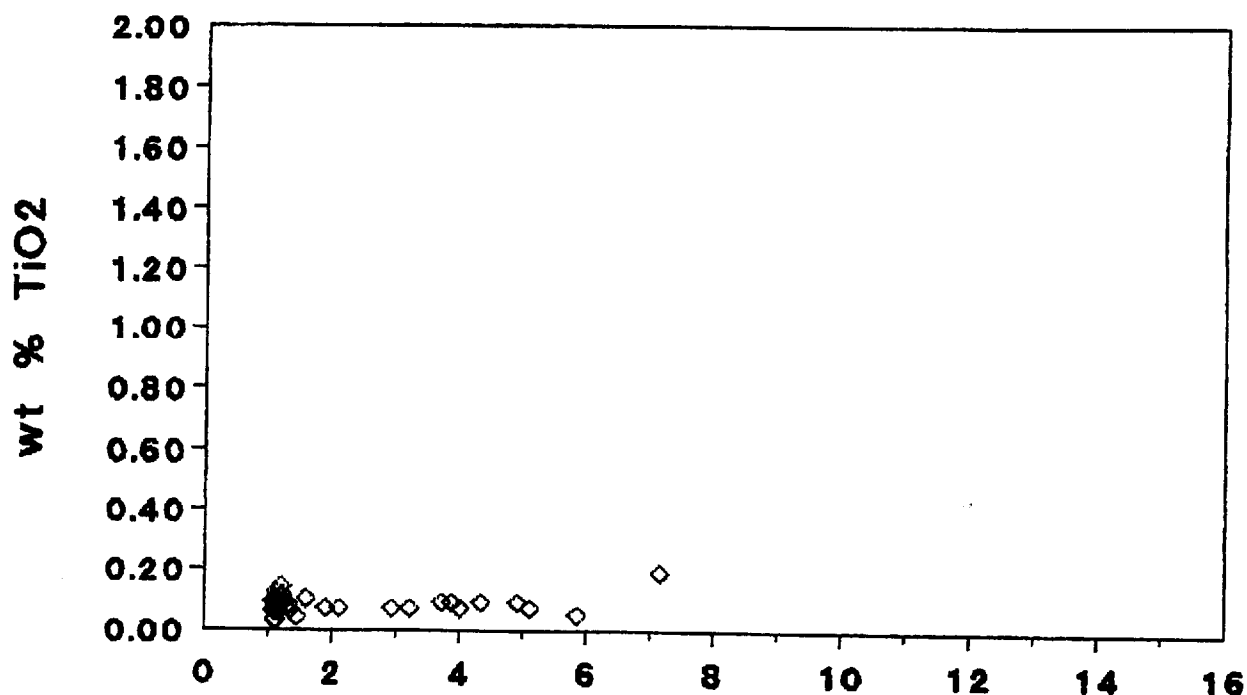
AR 4-4

CROSS DIKE(F) (CPF)

MC-10

H2RX-10 (A2-10)

**ECLOGITIC GARNET - DIAMOND DISCOVERIES
TORNGAT PROJECT November 15 2001**



◇ RLB

wt % CaO

XP-8
S262

DDI-3-30 (3-30)
DDI-3-32 (3-32)
DDI-3-33 (3-33)
DDI-3-34 (3-34)
DDI-3-39 (3-39)
ARY-4
CROSSDIKE F (CDF)
MC-10
H2RX-10 (H2-10)

ECL-GARNET, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	1	2	3	4	5	6	7	8
SiO2	38.32	38.03	37.66	38.19	38.19	38.49	38.12	38.04
TiO2	.07	.10	.07	.08	.09	.06	.10	.09
Al2O3	21.59	22.41	21.61	22.28	22.02	22.67	22.30	21.58
CaO	.05	.11	.07	.04	.11	.08	.10	.04
FeO	29.71	29.57	29.94	29.45	28.71	26.48	29.12	29.05
MgO	6.56	8.51	6.60	7.79	6.58	10.46	8.33	6.08
MnO	.93	.40	.86	.56	.81	.45	.63	1.24
CaO	2.94	1.17	3.22	1.32	3.88	1.15	1.59	3.72
Na2O	.01	.01	.02	.01	.02	.00	.02	.00
SUM	100.18	100.31	100.05	99.72	100.41	99.84	100.31	99.84
SI	5.989 *	5.889 *	5.915 *	5.949 *	5.942 *	5.899 *	5.904 *	5.974 *
AL	.011 6.000	.111 6.000	.085 6.000	.051 6.000	.058 6.000	.101 6.000	.096 6.000	.026 6.000
AL	3.966 *	3.979 *	3.915 *	4.038 *	3.979 *	3.993 *	3.974 *	3.968 *
TI	.008 *	.012 *	.008 *	.009 *	.011 *	.007 *	.012 *	.011 *
CR	.006 *	.013 *	.009 *	.005 *	.014 *	.010 *	.012 *	.005 *
FE	3.883 *	3.829 *	3.933 *	3.836 *	3.735 *	3.394 *	3.772 *	3.816 *
MN	.123 *	.052 *	.114 *	.074 *	.107 *	.058 *	.083 *	.165 *
MG	1.528 *	1.964 *	1.545 *	1.809 *	1.526 *	2.389 *	1.923 *	1.423 *
CA	.492 *	.194 *	.542 *	.220 *	.647 *	.189 *	.264 *	.626 *
NA	.003 10.010	.003 10.047	.006 10.073	.003 9.994	.006 10.023	.000 10.040	.006 10.044	.000 10.000
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	2.622	1.976	2.619	2.162	2.518	1.445	2.004	2.75
F/FM	.724	.664	.724	.684	.716	.501	.667	.73

- 1 SAMPLE 3-30 GRAIN 1
- 2 SAMPLE 3-30 GRAIN 2
- 3 SAMPLE 3-30 GRAIN 3
- 4 SAMPLE 3-30 GRAIN 12
- 5 SAMPLE 3-30 GRAIN 13
- 6 SAMPLE 3-32 GRAIN 2
- 7 SAMPLE 3-32 GRAIN 7
- 8 SAMPLE 3-33 GRAIN 1

ECL-GARNET, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	9	10	11	12	13	14	15	16
SI02	38.44	37.86	38.26	38.74	38.09	38.44	38.25	39.28
TI02	.11	.07	.09	.12	.09	.09	.07	.03
A203	22.06	21.95	22.04	22.52	21.61	22.31	21.61	22.83
C203	.08	.05	.02	.07	.04	.12	.09	.14
FEO	30.22	29.53	29.87	27.63	29.24	28.17	28.69	26.55
MGO	7.91	5.56	8.03	9.84	5.80	9.30	4.56	9.60
MNO	.46	1.00	.34	.35	.91	.38	1.46	.45
CAO	1.23	4.01	1.25	1.13	4.34	1.07	5.11	1.09
NA2O	.03	.02	.01	.00	.01	.00	.00	.02
SUM	100.54	100.05	99.91	100.40	100.13	99.88	99.84	99.99

SI	5.954	*	5.945	*	5.953	*	5.928	*	5.971	*	5.933	*	6.023	*	5.996
AL	.046	6.000	.055	6.000	.047	6.000	.072	6.000	.029	6.000	.067	6.000	.000	6.023	.004
AL	3.981	*	4.006	*	3.995	*	3.989	*	3.963	*	3.991	*	4.010	*	4.103
TI	.013	*	.008	*	.011	*	.014	*	.011	*	.010	*	.008	*	.003
CR	.010	*	.006	*	.002	*	.008	*	.005	*	.015	*	.011	*	.017
FE	3.915	*	3.878	*	3.887	*	3.536	*	3.833	*	3.636	*	3.778	*	3.389
MN	.060	*	.133	*	.045	*	.045	*	.121	*	.050	*	.195	*	.058
MG	1.826	*	1.301	*	1.862	*	2.244	*	1.355	*	2.140	*	1.070	*	2.184
CA	.204	*	.675	*	.208	*	.185	*	.729	*	.177	*	.862	*	.178
NA	.009	10.017	.006	10.014	.003	10.013	.000	10.022	.003	10.019	.000	10.018	.000	9.934	.006
O	24.000	*	24.000	*	24.000	*	24.000	*	24.000	*	24.000	*	24.000	*	24.000
F/M	2.177		3.082		2.111		1.596		2.918		1.723		3.712		1.5
F/FM	.685		.755		.679		.615		.745		.633		.788		.6

- 9 SAMPLE 3-33 GRAIN 2
- 10 SAMPLE 3-33 GRAIN 3
- 11 SAMPLE 3-33 GRAIN 7
- 12 SAMPLE 3-33 GRAIN 8
- 13 SAMPLE 3-33 GRAIN 9
- 14 SAMPLE 3-34 GRAIN 1
- 15 SAMPLE 3-34 GRAIN 2
- 16 SAMPLE 3-39 GRAIN 1

ECL-GARNET, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	17	18	19	20	21	22	23	24
SI02	37.78	38.06	38.69	38.93	39.21	38.71	38.69	38.87
TI02	.04	.09	.07	.09	.06	.06	.03	.14
A203	22.27	21.50	22.47	22.49	22.88	22.43	22.85	22.55
C203	.10	.04	.08	.13	.07	.07	.08	.07
FEO	31.26	30.68	27.35	27.96	25.26	29.25	25.93	26.93
MGO	6.56	4.16	9.39	9.15	10.97	7.94	11.14	9.86
MNO	.67	.66	.50	.35	.41	.39	.31	.31
CAO	1.44	4.91	1.90	1.14	1.08	1.13	1.12	1.20
NA2O	.02	.00	.00	.01	.01	.02	.01	.00
SUM	100.14	100.10	100.45	100.25	99.95	100.00	100.16	99.93
SI	5.920 *	6.010 *	5.928 *	5.971 *	5.954 *	5.990 *	5.889 *	5.954 *
AL	.080 6.000	.000 6.010	.072 6.000	.029 6.000	.046 6.000	.010 6.000	.111 6.000	.046 6.00
AL	4.032 *	4.000 *	3.985 *	4.037 *	4.049 *	4.079 *	3.987 *	4.025 *
TI	.005 *	.011 *	.008 *	.010 *	.007 *	.007 *	.003 *	.016 *
CR	.012 *	.005 *	.010 *	.016 *	.008 *	.009 *	.010 *	.008 *
FE	4.096 *	4.051 *	3.504 *	3.587 *	3.208 *	3.785 *	3.301 *	3.450 *
MN	.089 *	.088 *	.065 *	.045 *	.053 *	.051 *	.040 *	.040 *
MG	1.532 *	.979 *	2.144 *	2.092 *	2.483 *	1.831 *	2.527 *	2.251 *
CA	.242 *	.831 *	.312 *	.187 *	.176 *	.187 *	.183 *	.197 *
NA	.006 10.014	.000 9.965	.000 10.028	.003 9.977	.003 9.987	.006 9.955	.003 10.053	.000 9.98
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	2.732	4.228	1.664	1.736	1.313	2.092	1.322	1.550
F/FM	.732	.809	.625	.635	.568	.677	.569	.601

- 17 SAMPLE 3-39 GRAIN 2
- 18 SAMPLE 3-39 GRAIN 4
- 19 SAMPLE 6-22 GRAIN 6
- 20 SAMPLE ARY-4 GRAIN 9
- 21 SAMPLE ARY-4 GRAIN 10
- 22 SAMPLE CDF GRAIN 1
- 23 SAMPLE CDF GRAIN 2
- 24 SAMPLE CDF GRAIN 3

ECL-GARNET, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	25	26	27	28	29	30	31	32
SI02	37.70	38.84	38.99	38.69	38.83	38.34	38.34	37.66
TI02	.19	.08	.10	.06	.08	.07	.07	.06
A203	21.14	22.35	22.72	22.50	22.53	21.83	21.77	22.26
C203	.09	.07	.14	.10	.12	.06	.06	.05
FED	29.40	29.92	26.56	29.03	26.86	30.65	30.65	30.21
MGO	3.32	7.47	9.95	8.22	10.14	6.15	6.15	7.58
MND	.94	.43	.34	.46	.34	.70	.69	.57
CAO	7.16	1.17	1.12	1.16	1.12	2.11	2.11	1.33
NA20	.02	.01	.01	.01	.02	.00	.01	.00
SUM	99.96	100.34	99.93	100.23	100.04	99.91	99.85	99.72
SI	5.984 *	6.007 *	5.960 *	5.970 *	5.942 *	6.010 *	6.014 *	5.896 *
AL	.016 6.000	.000 6.007	.040 6.000	.030 6.000	.058 6.000	.000 6.010	.000 6.014	.104 6.000
AL	3.939 *	4.073 *	4.052 *	4.061 *	4.004 *	4.032 *	4.024 *	4.002 *
TI	.023 *	.009 *	.011 *	.007 *	.009 *	.008 *	.008 *	.007 *
CR	.011 *	.009 *	.017 *	.012 *	.015 *	.007 *	.007 *	.006 *
FE	3.903 *	3.870 *	3.395 *	3.746 *	3.437 *	4.018 *	4.021 *	3.955 *
MN	.126 *	.056 *	.044 *	.060 *	.044 *	.093 *	.092 *	.076 *
MG	.786 *	1.722 *	2.267 *	1.890 *	2.313 *	1.437 *	1.438 *	1.769 *
CA	1.218 *	.194 *	.183 *	.192 *	.184 *	.354 *	.355 *	.223 *
NA	.006 10.011	.003 9.936	.003 9.973	.003 9.971	.006 10.011	.000 9.950	.003 9.947	.000 10.000
O	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *	24.000 *
F/M	5.129	2.280	1.517	2.013	1.505	2.861	2.860	2.270
F/FM	.837	.695	.603	.668	.601	.741	.741	.690

25 SAMPLE CDF GRAIN 6
 26 SAMPLE MC-10 GRAIN 5
 27 SAMPLE H2-10 GRAIN 1
 28 SAMPLE H2-10 GRAIN 2
 29 SAMPLE H2-10 GRAIN 3
 30 SAMPLE MC-10 GRAIN 1
 31 SAMPLE MC-10 GRAIN 2
 32 SAMPLE MC-10 GRAIN 3

ECL-GARNET, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	33	34
STO2	41.43	38.98
TIO2	.05	.10
A2O3	22.84	22.33
C2O3	1.60	.14
FeO	9.07	26.84
MgO	18.94	10.12
MNO	.56	.29
CaO	5.85	1.11
NA2O	.35	.00
SUM	100.69	99.91

SI	5.915	*	5.969	*
AL	.085	6.000	.031	6.000
AL	3.757	*	3.999	*
TI	.005	*	.012	*
CR	.181	*	.017	*
FE	1.083	*	3.437	*
MN	.068	*	.038	*
Mg	4.030	*	2.310	*
CA	.895	*	.182	*
NA	.097	10.115	.000	9.994
O	24.000	*	24.000	*
F/M	.285		1.504	
F/FM	.222		.601	

33 SAMPLE XP-8 GRAIN 1

34 SAMPLE 5262 GRAIN 1

CLINOPYROXENE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, Sept. 3 2001, R.L.B.

	1	2	3	4	5	6	7	8
SiO2	54.37	54.67	54.71	53.81	54.76	54.88	54.26	54.21
TiO2	.24	.04	.21	.15	.09	.25	.15	.16
Al2O3	3.16	2.35	2.86	2.59	2.74	1.94	1.99	2.95
Cr2O3	1.94	1.78	1.95	1.93	1.87	1.68	1.31	1.91
FeO	1.46	1.59	1.50	1.59	1.71	2.93	3.05	1.38
MgO	15.49	15.85	15.66	15.90	15.36	16.92	17.83	15.50
MnO	.00	.03	.05	.00	.01	.05	.05	.03
CaO	21.16	22.07	21.68	21.99	21.78	19.71	19.73	21.74
K2O	.00	.00	.01	.00	.02	.03	.04	.00
Na2O	2.28	1.72	1.91	2.03	1.90	1.86	1.83	2.22
SUM	100.10	100.10	100.54	99.99	100.24	100.25	100.26	100.12
SI	1.963 *	1.977 *	1.968 *	1.954 *	1.976 *	1.981 *	1.961 *	1.961 *
AL	.037 2.000	.023 2.000	.032 2.000	.046 2.000	.024 2.000	.019 2.000	.039 2.000	.039 2.0
AL	.098 *	.077 *	.089 *	.064 *	.093 *	.064 *	.046 *	.086 *
TI	.007 *	.001 *	.006 *	.004 *	.002 *	.007 *	.005 *	.005 *
CR	.055 *	.051 *	.055 *	.055 *	.053 *	.048 *	.037 *	.055 *
FE	.044 *	.048 *	.045 *	.048 *	.052 *	.068 *	.092 *	.042 *
MG	.834 *	.854 *	.839 *	.860 *	.826 *	.910 *	.961 *	.836 *
MN	.000 *	.001 *	.002 *	.000 *	.000 *	.002 *	.002 *	.001 *
CA	.819 *	.855 *	.835 *	.855 *	.842 *	.762 *	.764 *	.842 *
NA	.160 *	.121 *	.133 *	.143 *	.133 *	.110 *	.128 *	.156 *
K	.000 2.015	.000 2.007	.000 2.005	.000 2.031	.001 2.003	.001 2.013	.002 2.038	.000 2.0
U	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *
F/M	.053	.057	.056	.056	.063	.045	.098	.05
F/FM	.050	.054	.053	.053	.059	.040	.089	.04

- 1 SAMPLE DRX-3 GRAIN 11
- 2 SAMPLE DRX-3 GRAIN 12
- 3 SAMPLE DRX-3 GRAIN 13
- 4 SAMPLE DRX-3 GRAIN 14 DARK CENTRAL DOMAIN
- 5 SAMPLE DRX-3 GRAIN 14 BRIGHT MARGINAL DOMAIN
- 6 SAMPLE DRX-3 GRAIN 15 GRAIN A
- 7 SAMPLE DRX-3 GRAIN 15 GRAIN B
- 8 SAMPLE DRX-3 GRAIN 16

Gr DIOPSIDE



CLINOPYROXENE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, Sept. 3 2001, R.L.B.

	9	10	11	12	13	14	15	16
SiO2	54.50	54.22	54.53	53.47	53.22	53.54	52.79	52.20
TiO2	.20	.14	.29	.32	.09	.10	.07	.04
Al2O3	3.26	2.69	2.94	4.34	1.28	.62	1.59	1.81
Cr2O3	1.78	2.04	1.76	1.77	.25	.04	.21	.10
FeO	1.38	1.70	1.43	1.31	5.15	6.07	6.37	8.66
MgO	15.31	15.50	15.32	14.84	15.80	15.76	13.80	13.18
MnO	.06	.02	.05	.08	.16	.22	.25	.29
CaO	21.20	21.94	21.42	21.34	23.67	23.65	24.56	23.59
K2O	.01	.00	.01	.01	.01	.00	.01	.02
Na2O	2.23	1.96	2.23	2.45	.28	.14	.45	.53
SUM	99.93	100.21	99.98	99.93	99.91	100.14	100.10	100.42

SI	1.969	*	1.962	*	1.971	*	1.936	*	1.962	*	1.976	*	1.960	*	1.949	*
AL	.031	2.000	.038	2.000	.029	2.000	.064	2.000	.038	2.000	.024	2.000	.040	2.000	.051	2.000
AL	.108	*	.077	*	.097	*	.121	*	.017	*	.003	*	.029	*	.028	*
TI	.005	*	.004	*	.008	*	.009	*	.002	*	.003	*	.002	*	.001	*
CR	.051	*	.058	*	.050	*	.051	*	.007	*	.001	*	.006	*	.003	*
FE	.042	*	.051	*	.043	*	.040	*	.159	*	.187	*	.198	*	.270	*
MG	.824	*	.836	*	.825	*	.801	*	.868	*	.867	*	.764	*	.733	*
MN	.002	*	.001	*	.002	*	.002	*	.005	*	.007	*	.008	*	.009	*
CA	.821	*	.851	*	.830	*	.828	*	.935	*	.935	*	.977	*	.944	*
NA	.156	*	.138	*	.156	*	.172	*	.020	*	.010	*	.032	*	.038	*
K	.000	2.009	.000	2.016	.000	2.011	.000	2.024	.000	2.014	.000	2.013	.000	2.017	.001	2.026
O	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*
F/M	.053		.062		.054		.053		.185		.220		.269		.381	
F/FM	.050		.059		.051		.050		.159		.183		.212		.276	

- 9 SAMPLE DRX-3 GRAIN 17
- 10 SAMPLE DRX-3 GRAIN 18
- 11 SAMPLE DRX-3 GRAIN 19
- 12 SAMPLE DRX-3 GRAIN 20
- 13 SAMPLE MC-2 GRAIN 1
- 14 SAMPLE MC-2 GRAIN 2 REPL BY AMPH
- 15 SAMPLE MC-2 GRAIN 12
- 16 SAMPLE MC-2 GRAIN 13

Cr DIOPHIDE

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AMPHIBOLE

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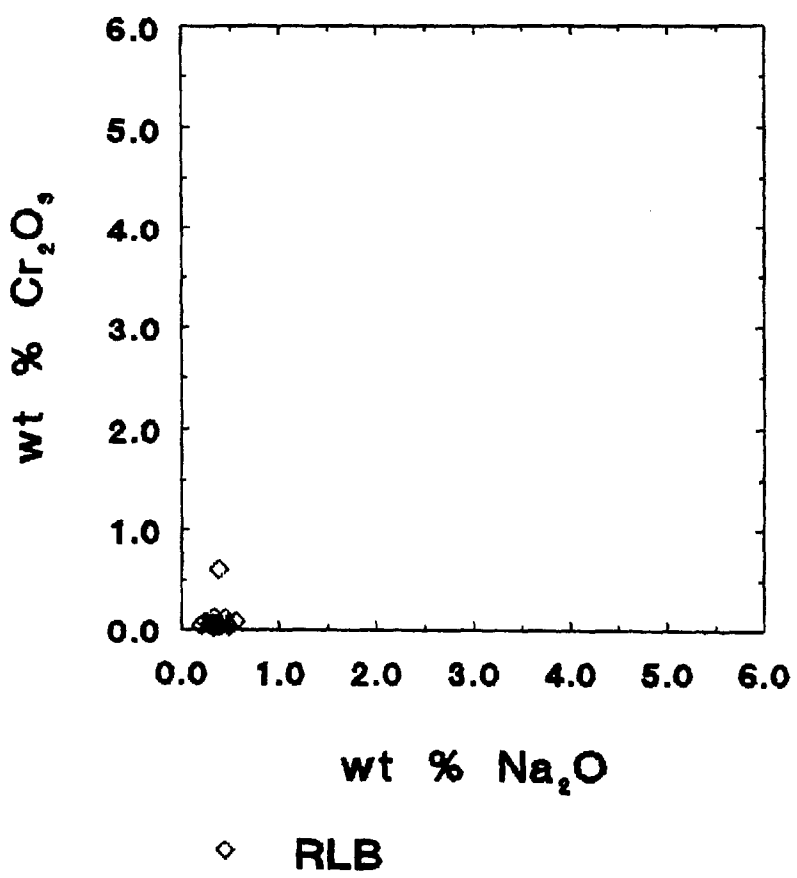
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CLINOPYROXENE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, Sept. 1, 1961, R.C.S.

	17	18	19
SiO2	51.94	52.80	51.08
TiO2	.03	.15	.17
Al2O3	1.45	1.71	1.77
Cr2O3	.07	.17	.13
FeO	9.68	8.90	11.40
MgO	12.21	13.60	11.18
MnO	.44	.14	.44
CaO	23.93	22.97	23.36
K2O	.01	.02	.02
Na2O	.17	.48	.50
SUM	99.93	100.04	100.05
Si	1.959 *	1.965 *	1.942 *
Al	.041 2.000	.035 2.000	.058 2.000
Al	.024 *	.040 *	.022 *
Ti	.001 *	.004 *	.005 *
Cr	.002 *	.005 *	.004 *
Fe	.305 *	.249 *	.363 *
Mg	.687 *	.754 *	.634 *
Mn	.014 *	.004 *	.014 *
Ca	.967 *	.916 *	.952 *
Na	.012 *	.035 *	.037 *
K	.000 2.013	.001 2.009	.001 2.030
O	6.000 *	6.000 *	6.000 *
F/M	.465	.336	.594
F/PM	.318	.251	.373

17 SAMPLE AY-2 GRAIN 3 AUGITE
 18 SAMPLE AY-2 GRAIN 4 AUGITE
 19 SAMPLE VEN-2A GRAIN 4 AUGITE

**CLINOPYROXENE - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 2001)**



MC-3
MCW-3
MCW-6
MCW-8

CLINOPYROXENE, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2003 R.L.B.

	1	2	3	4	5	6	7	8
SiO2	52.94	53.13	53.27	53.06	53.49	51.81	53.17	50.88
TiO2	.02	.03	.04	.03	.03	.06	.01	.05
Al2O3	1.67	1.23	1.11	1.71	1.00	.85	.39	.95
Cr2O3	.05	.03	.12	.06	.05	.01	.07	.06
FeO	7.49	7.82	6.60	8.09	7.66	14.94	10.39	13.92
MgO	13.30	13.91	14.19	13.82	14.04	7.86	11.91	9.22
MnO	.22	.20	.24	.24	.20	.41	.13	.39
CaO	23.90	23.27	24.54	23.01	23.12	24.16	23.87	24.40
K2O	.01	.01	.01	.00	.00	.00	.01	.02
Na2O	.47	.38	.33	.37	.38	.35	.24	.32
SUM	100.07	100.01	100.45	100.39	99.97	100.45	100.21	100.21

SI	1.970	*	1.977	*	1.971	*	1.967	*	1.987	*	1.993	*	2.000	*	1.960	*
AL	.030	2.000	.023	2.000	.029	2.000	.033	2.000	.013	2.000	.007	2.000	.000	2.000	.040	2.000
AL	.043	*	.031	*	.019	*	.042	*	.031	*	.031	*	.017	*	.003	*
TI	.001	*	.001	*	.001	*	.001	*	.001	*	.002	*	.001	*	.001	*
CR	.001	*	.001	*	.004	*	.002	*	.001	*	.000	*	.002	*	.002	*
FE	.233	*	.243	*	.204	*	.251	*	.238	*	.481	*	.327	*	.448	*
MG	.738	*	.771	*	.782	*	.764	*	.777	*	.451	*	.668	*	.529	*
MN	.007	*	.006	*	.008	*	.008	*	.006	*	.013	*	.004	*	.013	*
CA	.953	*	.928	*	.973	*	.914	*	.926	*	.996	*	.962	*	1.007	*
NA	.034	*	.027	*	.024	*	.027	*	.027	*	.025	*	.018	*	.024	*
K	.000	2.010	.000	2.009	.000	2.014	.000	2.007	.000	2.003	.001	1.999	.000	1.999	.001	2.021
O	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*
F/M		.325		.324		.271		.338		.314		1.094		.496		.871
F/fm		.245		.244		.213		.253		.239		.523		.331		.466

- 1 SAMPLE MC-3 GRAIN 1 **Average**
 2 SAMPLE MC-3 GRAIN 2 "
 3 SAMPLE MC-3 GRAIN 4 "
 4 SAMPLE MC-3 GRAIN 5 "
 5 SAMPLE MC-3 GRAIN 6 "
 6 SAMPLE MCW-3 GRAIN 5 "
 7 SAMPLE MCW-6 GRAIN 6 "
 8 SAMPLE MCW-6 GRAIN 7 "

CLINOPYROXENE, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R.L.B.

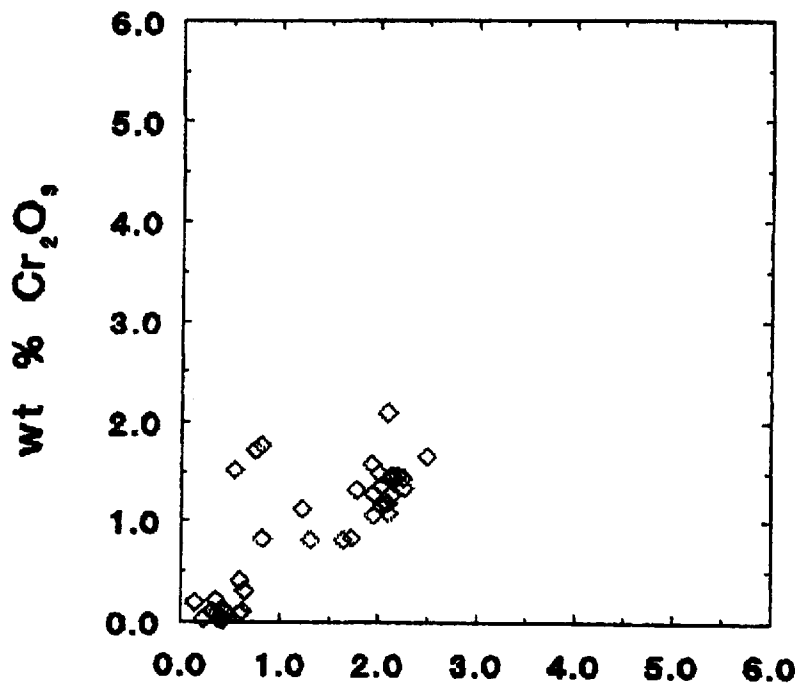
	9	10	11	12	13	14	15	16
STO2	52.09	53.45	53.67	53.99	53.25	50.43	53.61	49.91
TIO2	.01	.04	.01	.09	.03	.09	.01	.08
AL2O3	.96	1.47	1.04	1.27	1.44	1.20	1.45	1.01
CR2O3	.04	.02	.05	.61	.11	.03	.03	.08
FE0	11.95	6.59	6.29	4.58	7.69	15.51	5.56	20.11
NGO	10.28	14.01	14.89	16.05	13.61	8.21	14.52	4.99
MNO	.20	.19	.16	.07	.15	.17	.12	.26
CAO	24.34	24.03	23.50	23.37	23.76	23.98	24.32	23.13
K2O	.01	.00	.01	.02	.00	.01	.00	.01
NA2O	.29	.49	.37	.38	.44	.20	.40	.56
SUM	100.17	100.39	100.00	100.43	100.48	99.83	100.02	100.14

SI	1.981	*	1.974	*	1.983	*	1.971	*	1.973	*	1.960	*	1.977	*	1.975	*
AL	.019	2.000	.026	2.000	.017	2.000	.029	2.000	.027	2.000	.040	2.000	.023	2.000	.025	2.00
AL	.024	*	.038	*	.028	*	.026	*	.036	*	.015	*	.040	*	.022	*
TI	.000	*	.001	*	.000	*	.002	*	.001	*	.003	*	.000	*	.002	*
CR	.001	*	.001	*	.002	*	.018	*	.003	*	.001	*	.001	*	.003	*
FE	.380	*	.207	*	.194	*	.140	*	.238	*	.504	*	.172	*	.665	*
MG	.583	*	.771	*	.820	*	.874	*	.752	*	.476	*	.798	*	.294	*
MN	.006	*	.006	*	.005	*	.002	*	.005	*	.006	*	.004	*	.009	*
CA	.992	*	.951	*	.930	*	.914	*	.943	*	.998	*	.961	*	.981	*
NA	.021	*	.035	*	.027	*	.027	*	.032	*	.015	*	.029	*	.043	*
K	.000	2.008	.000	2.010	.000	2.007	.001	2.004	.000	2.009	.000	2.017	.000	2.005	.001	2.02
C	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*
F/M		.663		.276		.243		.143		.323		1.072		.220		2.291
F/PM		.399		.216		.196		.140		.244		.517		.180		.696

9 SAMPLE MCW-6 GRAIN 8
 10 SAMPLE MCW-6 GRAIN 9
 11 SAMPLE MCW-6 GRAIN 11
 - 12 SAMPLE MCW-8 GRAIN 5 - LOW CR AUGITE
 13 SAMPLE MCW-8 GRAIN 6
 14 SAMPLE MCW-8 GRAIN 7
 15 SAMPLE MCW-8 GRAIN 8
 16 SAMPLE MCW-8 GRAIN 9

AUGITE
 " "
 " "
 " "
 AUGITE
 " "
 " "
 " "

**CLINOPYROXENE - DIAMOND DISCOVERIES INT.
TORNGAT PROJECT November 15 2001**



wt % Na₂O

◇ RLB

H2BX-10 (H2-10)

MC-10

X-P.8 (XP-8)

5262

DD1 - 3" SOUTH PIPE

DD1-6-22

DD1-3-30

DD1-3-32

DD1-3-33

DD1-3-34

DD1-3-39

CROSS DIKE F (CDF)

H DIKE (HDI)

CLINOPYROXENE, DIAMOND DISC., INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	1	2	3	4	5	6	7	8
SI02	53.96	54.41	54.71	54.42	53.47	53.88	52.51	54.27
TI02	.10	.30	.28	.27	.09	.46	.31	.41
A203	4.17	4.70	4.41	4.88	1.75	5.41	2.76	5.35
C203	.81	1.42	1.28	1.59	.10	1.49	.07	1.44
FEO	1.36	1.34	1.41	1.44	8.50	1.41	11.19	1.42
MGO	16.16	14.82	14.88	14.94	14.47	14.25	11.50	14.74
MNO	.00	.00	.00	.03	.17	.01	.21	.00
CAO	22.70	21.00	21.38	20.88	21.00	21.23	20.99	20.63
K2O	.01	.00	.00	.01	.01	.00	.01	.00
NA2O	1.31	2.13	1.95	1.93	.45	2.01	.60	2.25
SUM	100.58	100.12	100.30	100.39	100.01	100.15	100.15	100.51
SI	1.936 *	1.954 *	1.962 *	1.949 *	1.980 *	1.937 *	1.967 *	1.941 *
AL	.064 2.000	.046 2.000	.038 2.000	.051 2.000	.020 2.000	.063 2.000	.033 2.000	.059 2.000
AL	.112 *	.153 *	.148 *	.155 *	.056 *	.166 *	.088 *	.166 *
TI	.003 *	.008 *	.008 *	.007 *	.003 *	.012 *	.009 *	.011 *
CR	.023 *	.040 *	.036 *	.045 *	.003 *	.042 *	.002 *	.041 *
FE	.041 *	.040 *	.042 *	.043 *	.263 *	.042 *	.350 *	.042 *
MG	.864 *	.793 *	.795 *	.798 *	.799 *	.764 *	.642 *	.786 *
MN	.000 *	.000 *	.000 *	.001 *	.005 *	.000 *	.007 *	.000 *
CA	.873 *	.808 *	.821 *	.801 *	.833 *	.818 *	.842 *	.791 *
NA	.091 *	.148 *	.136 *	.134 *	.032 *	.140 *	.044 *	.156 *
K	.000 2.007	.000 1.992	.000 1.987	.000 1.985	.000 1.994	.000 1.985	.000 1.985	.000 1.985
O	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *
F/M	.047	.051	.053	.055	.336	.056	.556	.05
F/FM	.045	.048	.050	.052	.252	.053	.357	.05

- 1 SAMPLE 3-30 GRAIN 4
- 2 SAMPLE 3-30 GRAIN 6
- 3 SAMPLE 3-30 GRAIN 7
- 4 SAMPLE 3-30 GRAIN 8
- 5 SAMPLE 3-30 GRAIN 11
- 6 SAMPLE 3-32 GRAIN 4
- 7 SAMPLE 3-32 GRAIN 5
- 8 SAMPLE 3-32 GRAIN 8

CLINOPYROXENE, DIAMOND DISC., INT., TORNGAT PROJECT, November 15th 2001, R.L.B.

	9	10	11	12	13	14	15	16
SI02	52.39	53.66	54.61	53.76	54.75	52.46	53.70	53.37
TI02	.31	.36	.37	.60	.46	.07	.11	.10
A203	2.91	5.92	5.08	3.22	4.58	1.56	1.51	1.28
C203	.10	1.06	1.66	1.72	1.47	.10	.12	.10
FEO	10.89	1.31	1.36	1.73	1.50	8.56	7.15	8.82
MGO	11.59	14.71	14.85	15.90	14.54	12.96	13.37	12.28
MNO	.26	.00	.00	.00	.00	.28	.15	.40
CAO	21.20	21.54	20.07	22.56	20.90	23.53	23.62	23.73
K2O	.00	.00	.00	.00	.00	.02	.01	.01
NA2O	.62	1.95	2.49	.75	2.14	.45	.41	.32
SUM	100.27	100.51	100.49	100.24	100.34	99.99	100.15	100.41

SI	1.959	*	1.921	*	1.951	*	1.941	*	1.962	*	1.964	*	1.987	*	1.989	*
AL	.041	2.000	.079	2.000	.049	2.000	.059	2.000	.038	2.000	.036	2.000	.013	2.000	.011	2.000
AL	.088	*	.171	*	.165	*	.078	*	.155	*	.033	*	.053	*	.045	*
TI	.009	*	.010	*	.010	*	.016	*	.012	*	.002	*	.003	*	.003	*
CR	.003	*	.030	*	.047	*	.049	*	.042	*	.003	*	.004	*	.003	*
FE	.341	*	.039	*	.041	*	.052	*	.045	*	.268	*	.221	*	.275	*
MG	.646	*	.785	*	.791	*	.856	*	.777	*	.723	*	.738	*	.682	*
MN	.008	*	.000	*	.000	*	.000	*	.000	*	.009	*	.005	*	.013	*
CA	.850	*	.826	*	.768	*	.873	*	.802	*	.944	*	.937	*	.947	*
NA	.045	*	.135	*	.173	*	.052	*	.149	*	.033	*	.029	*	.023	*
K	.000	1.989	.000	1.997	.000	1.994	.000	1.976	.000	1.982	.001	2.015	.000	1.990	.000	1.990
O	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*
F/M	.540		.050		.051		.061		.058		.383		.306		.42	
F/FM	.351		.048		.049		.058		.055		.277		.235		.29	

- 9 SAMPLE 3-32 GRAIN 9
- 10 SAMPLE 3-33 GRAIN 5
- 11 SAMPLE 3-34 GRAIN 3
- 12 SAMPLE 3-34 GRAIN 4 CENTRAL DOMAIN
- 13 SAMPLE 3-34 GRAIN 4 OUTER ZONE
- 14 SAMPLE 3-39 GRAIN 6
- 15 SAMPLE 3-39 GRAIN 7
- 16 SAMPLE 3-39 GRAIN 8

CLINOPYROXENE, DIAMOND DISC., INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	17	18	19	20	21	22	23	24
SI02	53.55	52.39	53.08	53.93	52.80	54.80	53.03	53.34
TI02	.07	.21	.26	.31	.26	.08	.41	.35
A203	1.54	1.40	2.56	3.94	3.61	1.13	5.20	5.26
C203	.02	.08	.19	.83	1.77	.82	1.15	1.18
FEO	7.71	13.05	4.88	1.44	1.88	1.68	1.27	1.45
MGO	12.86	10.91	14.56	15.53	16.88	17.00	14.92	14.94
MNO	.23	.41	.02	.00	.00	.00	.00	.00
CAO	23.50	20.79	24.50	22.22	22.51	23.57	21.71	21.47
K2O	.01	.01	.00	.00	.02	.00	.02	.00
NA2O	.43	.47	.14	1.73	.81	.82	2.03	2.09
SUM	99.92	99.72	100.19	99.93	100.54	99.90	99.74	100.08

SI	1.991	*	1.990	*	1.948	*	1.948	*	1.907	*	1.987	*	1.919	*	1.923	*
AL	.009	2.000	.010	2.000	.052	2.000	.052	2.000	.093	2.000	.013	2.000	.081	2.000	.077	2.000
AL	.059	*	.053	*	.059	*	.116	*	.061	*	.035	*	.141	*	.147	*
TI	.002	*	.006	*	.007	*	.008	*	.007	*	.002	*	.011	*	.009	*
CR	.001	*	.002	*	.006	*	.024	*	.051	*	.024	*	.033	*	.034	*
FE	.240	*	.415	*	.150	*	.043	*	.057	*	.051	*	.038	*	.044	*
MG	.713	*	.618	*	.796	*	.836	*	.909	*	.919	*	.805	*	.803	*
MN	.007	*	.013	*	.001	*	.000	*	.000	*	.000	*	.000	*	.000	*
CA	.936	*	.846	*	.963	*	.860	*	.871	*	.916	*	.842	*	.829	*
NA	.031	*	.035	*	.010	*	.121	*	.057	*	.058	*	.142	*	.146	*
K	.000	1.989	.000	1.989	.000	1.992	.000	2.008	.001	2.013	.000	2.004	.001	2.014	.000	2.000
O	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*
F/M	.347		.692		.189		.052		.062		.055		.048		.05	
F/FM	.257		.409		.159		.049		.059		.053		.046		.05	

- 17 SAMPLE 3-39 GRAIN 6
- 18 SAMPLE 6-22 GRAIN 4
- 19 SAMPLE 6-22 GRAIN 13
- 20 SAMPLE 3-S.P. GRAIN 1 INT W OLIV
- 21 SAMPLE 3-S.P. GRAIN 2 CENTRAL
- 22 SAMPLE 3-S.P. GRAIN 2 INT ZONE
- 23 SAMPLE 3-S.P. GRAIN 2 OUTER ZONE
- 24 SAMPLE 3-S.P. GRAIN 3 INT W OLIV

CLINOPYROXENE, DIAMOND DISC., INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	25	26	27	28	29	30	31	32
SI02	52.73	52.97	52.72	53.91	52.64	51.76	52.67	53.27
TI02	.20	.35	.32	.41	1.70	.26	.38	.39
A203	2.60	4.50	3.62	5.28	1.33	2.29	5.76	5.28
C203	1.52	1.32	.81	1.18	.07	.03	1.44	1.26
FEO	1.49	1.60	1.65	1.25	4.98	14.45	1.46	1.36
MGD	17.65	15.35	16.32	14.58	15.16	9.77	14.52	14.48
MND	.00	.00	.00	.01	.00	.25	.00	.04
CAO	23.32	22.19	22.80	21.08	24.23	21.34	21.79	22.02
K20	.00	.01	.01	.00	.00	.00	.00	.00
NA20	.54	1.78	1.64	2.07	.36	.39	2.14	2.12
SUM	100.05	100.07	99.89	99.77	100.47	100.54	100.16	100.22
SI	1.915 *	1.918 *	1.917 *	1.942 *	1.934 *	1.964 *	1.903 *	1.921 *
AL	.085 2.000	.082 2.000	.083 2.000	.058 2.000	.058 1.991	.036 2.000	.097 2.000	.079 2.000
AL	.026 *	.110 *	.072 *	.166 *	.000 *	.067 *	.148 *	.146 *
TI	.005 *	.010 *	.009 *	.011 *	.047 *	.007 *	.010 *	.011 *
CR	.044 *	.038 *	.023 *	.034 *	.002 *	.001 *	.041 *	.036 *
FE	.045 *	.048 *	.050 *	.038 *	.153 *	.459 *	.044 *	.041 *
MG	.955 *	.828 *	.884 *	.783 *	.830 *	.553 *	.782 *	.778 *
MN	.000 *	.000 *	.000 *	.000 *	.000 *	.008 *	.000 *	.001 *
CA	.907 *	.861 *	.888 *	.814 *	.954 *	.868 *	.843 *	.851 *
NA	.038 *	.125 *	.116 *	.145 *	.026 *	.029 *	.150 *	.148 *
K	.000 2.021	.000 2.020	.000 2.043	.000 1.990	.000 2.011	.000 1.991	.000 2.019	.000 2.019
D	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *
F/M	.047	.058	.057	.048	.184	.844	.056	.05
F/FM	.045	.055	.054	.046	.156	.458	.053	.05

25 SAMPLE 3-S.P. GRAIN 3 LINEAR DOMAIN CENTRAL
 26 SAMPLE 3-S.P. GRAIN 4 DARK GRAIN
 27 SAMPLE 3-S.P. GRAIN 4 LINEAR BRIGHT
 28 SAMPLE 3-S.P. GRAIN 5 INT W OLIV
 29 SAMPLE CDF GRAIN 7
 30 SAMPLE CDF GRAIN 8
 31 SAMPLE HD GRAIN 1
 32 SAMPLE HD GRAIN 2

CLINOPYROXENE, DIAMOND DISC, INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	33	34	35	36	37	38	39	40
SI02	53.27	53.01	53.21	53.32	56.42	55.10	53.79	54.12
TI02	.31	.30	.31	.40	.20	.11	.07	.16
A203	5.74	5.65	5.63	5.49	2.12	1.54	2.93	3.68
C203	1.34	1.47	1.08	1.36	2.09	.21	.30	1.12
FEO	1.42	1.47	1.40	1.44	2.93	4.72	4.77	1.25
MGO	14.41	14.29	14.73	14.36	15.46	15.34	15.14	15.56
MNO	.00	.00	.00	.00	.01	.10	.07	.00
CAO	21.64	21.49	21.86	21.78	18.63	23.06	22.84	23.21
K2O	.00	.01	.00	.02	.05	.00	.00	.00
NA2O	2.26	2.19	2.10	2.03	2.09	.35	.64	1.22
SUM	100.39	99.88	100.32	100.20	100.00	100.53	100.55	100.32
SI	1.916 *	1.917 *	1.915 *	1.922 *	2.028 *	2.000 *	1.957 *	1.949 *
AL	.084 2.000	.083 2.000	.085 2.000	.078 2.000	.000 2.028	.000 2.000	.043 2.000	.051 2.000
AL	.160 *	.158 *	.154 *	.155 *	.090 *	.066 *	.082 *	.105 *
TI	.008 *	.008 *	.008 *	.011 *	.005 *	.003 *	.002 *	.004 *
CR	.038 *	.042 *	.031 *	.039 *	.059 *	.006 *	.009 *	.032 *
FE	.043 *	.044 *	.042 *	.043 *	.088 *	.143 *	.145 *	.038 *
MG	.773 *	.770 *	.790 *	.771 *	.828 *	.830 *	.821 *	.835 *
MN	.000 *	.000 *	.000 *	.000 *	.000 *	.003 *	.002 *	.000 *
CA	.834 *	.833 *	.843 *	.841 *	.718 *	.897 *	.890 *	.896 *
NA	.158 *	.154 *	.147 *	.142 *	.146 *	.025 *	.045 *	.085 *
K	.000 2.013	.000 2.010	.000 2.015	.001 2.003	.002 1.937	.000 1.973	.000 1.997	.000 1.997
O	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *
F/M	.055	.058	.053	.056	.107	.176	.179	.04
F/FM	.052	.055	.051	.053	.096	.150	.152	.04

33 SAMPLE HD GRAIN 3
 34 SAMPLE HD GRAIN 4
 35 SAMPLE HD GRAIN 5
 36 SAMPLE HD GRAIN 6
 37 SAMPLE H2-10 GRAIN 6
 38 SAMPLE MC-10 GRAIN 4
 39 SAMPLE X-P.B. GRAIN 3
 40 SAMPLE X-P.B. GRAIN 5

CLINOPYROXENE, DIAMOND DISC., INT., TORNGAT PROJECT, November 15' 2001, R.L.B.

	41	42
SI02	53.82	54.35
TI02	.03	.38
A203	2.76	.54
C203	.40	.03
FE0	5.73	3.54
MGO	14.67	16.60
MNO	.07	.00
CA0	22.44	24.58
K20	.01	.00
NA20	.60	.23
SUM	100.53	100.25

SI	1.964	*	1.982	*
AL	.036	2.000	.018	2.000
AL	.083	*	.005	*
TI	.001	*	.010	*
CR	.012	*	.001	*
FE	.175	*	.108	*
MG	.798	*	.902	*
MN	.002	*	.000	*
CA	.878	*	.960	*
NA	.042	*	.016	*
K	.000	1.991	.000	2.004
O	6.000	*	6.000	*
F/M	.222		.120	
F/FM	.182		.107	

41 SAMPLE X-P.8. GRAIN 6

42 SAMPLE 5262 GRAIN 2 W PEROV IN SERP

ORTHOPYROXENE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.

	1	2	3	4	5
SI02	56.01	56.12	55.65	55.81	56.91
TI02	.07	.07	.10	.07	.04
A203	2.87	3.20	3.41	2.97	1.98
C203	.44	.47	.55	.40	.24
FE0	5.54	5.52	5.31	5.18	5.67
MGO	34.90	34.52	35.18	35.30	35.13
MNO	.03	.00	.07	.03	.01
CA0	.12	.13	.17	.18	.11
K2O	.00	.00	.00	.02	.00
NA2O	.02	.02	.02	.03	.02
NIO	.11	.05	.04	.09	.05
SUM	100.11	100.10	100.50	100.08	100.16
SI	1.924 *	1.926 *	1.905 *	1.916 *	1.952 *
AL	.076 2.000	.074 2.000	.095 2.000	.084 2.000	.048 2.000
AL	.041 *	.055 *	.042 *	.037 *	.032 *
TI	.002 *	.002 *	.003 *	.002 *	.001 *
CR	.012 *	.013 *	.015 *	.011 *	.007 *
FE	.159 *	.158 *	.152 *	.149 *	.163 *
MN	.001 *	.000 *	.002 *	.001 *	.000 *
MG	1.787 *	1.766 *	1.795 *	1.807 *	1.796 *
CA	.004 *	.005 *	.006 *	.007 *	.004 *
K	.000 *	.000 *	.000 *	.001 *	.000 *
NA	.001 *	.001 *	.001 *	.002 *	.001 *
NI	.003 2.010	.001 2.002	.001 2.017	.002 2.018	.001 2.005
O	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *
ENST	91.82	91.77	92.19	92.39	91.70
FERR	8.18	8.23	7.81	7.61	8.30
F/M	.090	.090	.086	.083	.091
F/FM	.082	.082	.079	.076	.083

- 1 SAMPLE HD2 GRAIN 7
- 2 SAMPLE HD2 GRAIN 8
- 3 SAMPLE HD2 GRAIN 9
- 4 SAMPLE HD2 GRAIN 10 ???? W CR-DIOP AT MARGIN ??
- 5 SAMPLE 3-S.P. GRAIN 4 INT W CPX

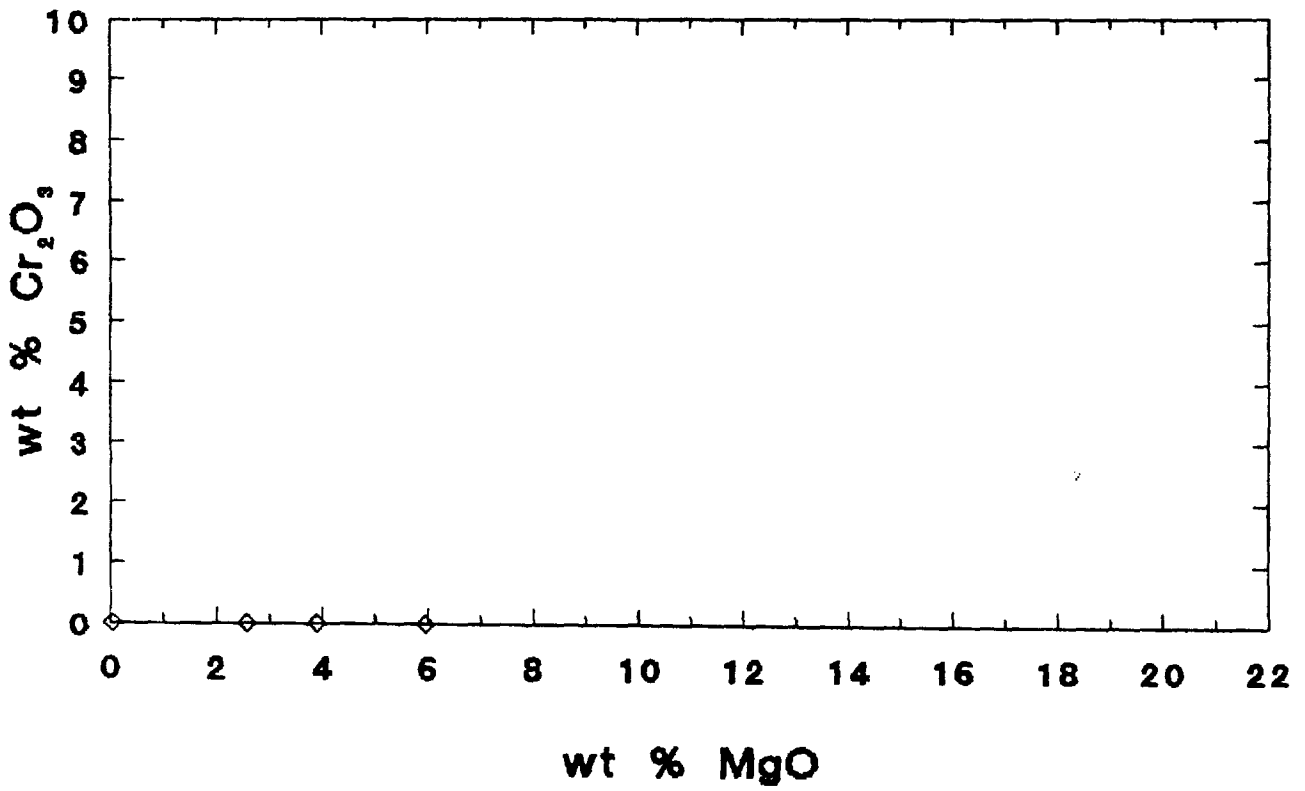
ORTHOPYROXENE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT SEPTEMBER 3, 2001, R.L.

	1	2	3	4
SiO2	57.27	56.53	56.49	56.72
TiO2	.00	.02	.02	.05
Al2O3	1.89	2.22	1.77	1.66
Cr2O3	.40	.47	.39	.28
FeO	4.96	5.19	4.83	4.89
MgO	35.72	35.21	36.16	36.37
MnO	.12	.13	.09	.07
CaO	.14	.26	.15	.19
K2O	.00	.00	.02	.00
Na2O	.03	.06	.02	.05
NiO	.08	.06	.04	.07
SUM	100.61	100.15	99.98	100.35

Si	1.951	*	1.939	*	1.939	*	1.940	*
Al	.049	2.000	.061	2.000	.061	2.000	.060	2.000
Al	.027	*	.029	*	.010	*	.007	*
Ti	.000	*	.001	*	.001	*	.001	*
Cr	.011	*	.013	*	.011	*	.008	*
Fe	.141	*	.149	*	.139	*	.140	*
Mn	.003	*	.004	*	.003	*	.002	*
Mg	1.814	*	1.800	*	1.850	*	1.854	*
Ca	.005	*	.010	*	.006	*	.007	*
K	.000	*	.000	*	.001	*	.000	*
Na	.002	*	.004	*	.001	*	.003	*
Ni	.002	2.006	.002	2.011	.001	2.021	.002	2.023
O	6.000	*	6.000	*	6.000	*	6.000	*
ENST	92.77		92.36		93.03		92.99	
FERR	7.23		7.64		6.97		7.01	
F/M	.080		.085		.076		.077	
F/FM	.074		.078		.071		.071	

1 SAMPLE DRX-3 GRAIN 1 Cr ENSTATITE
 2 SAMPLE DRX-3 GRAIN 25 h //
 3 SAMPLE DRX-3 GRAIN 26 h //
 4 SAMPLE DRX-3 GRAIN 27 // //

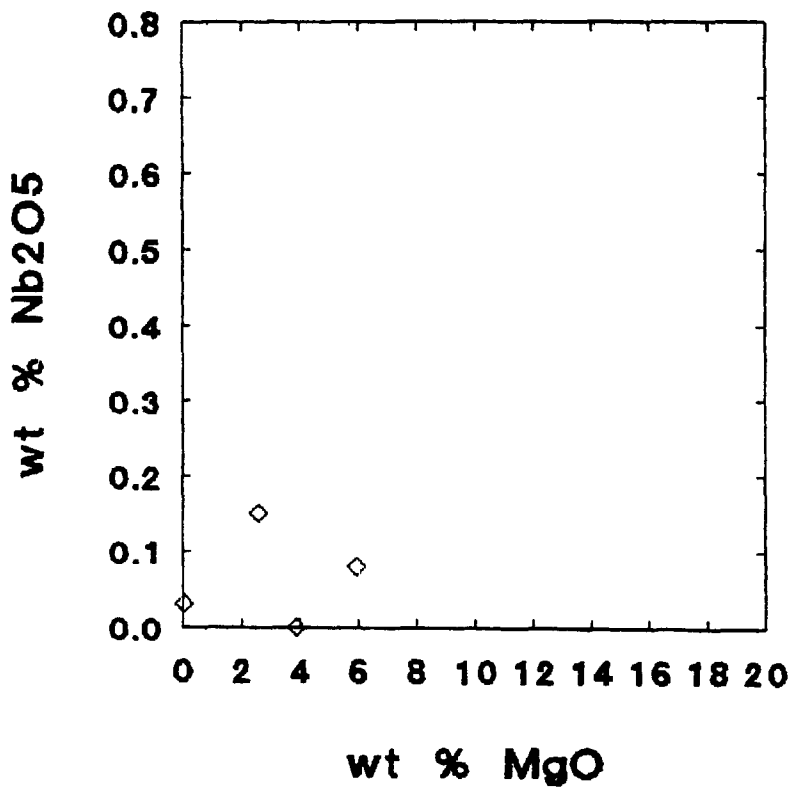
**ILMENITE - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 '2001)**



◇ RLB

MC-10

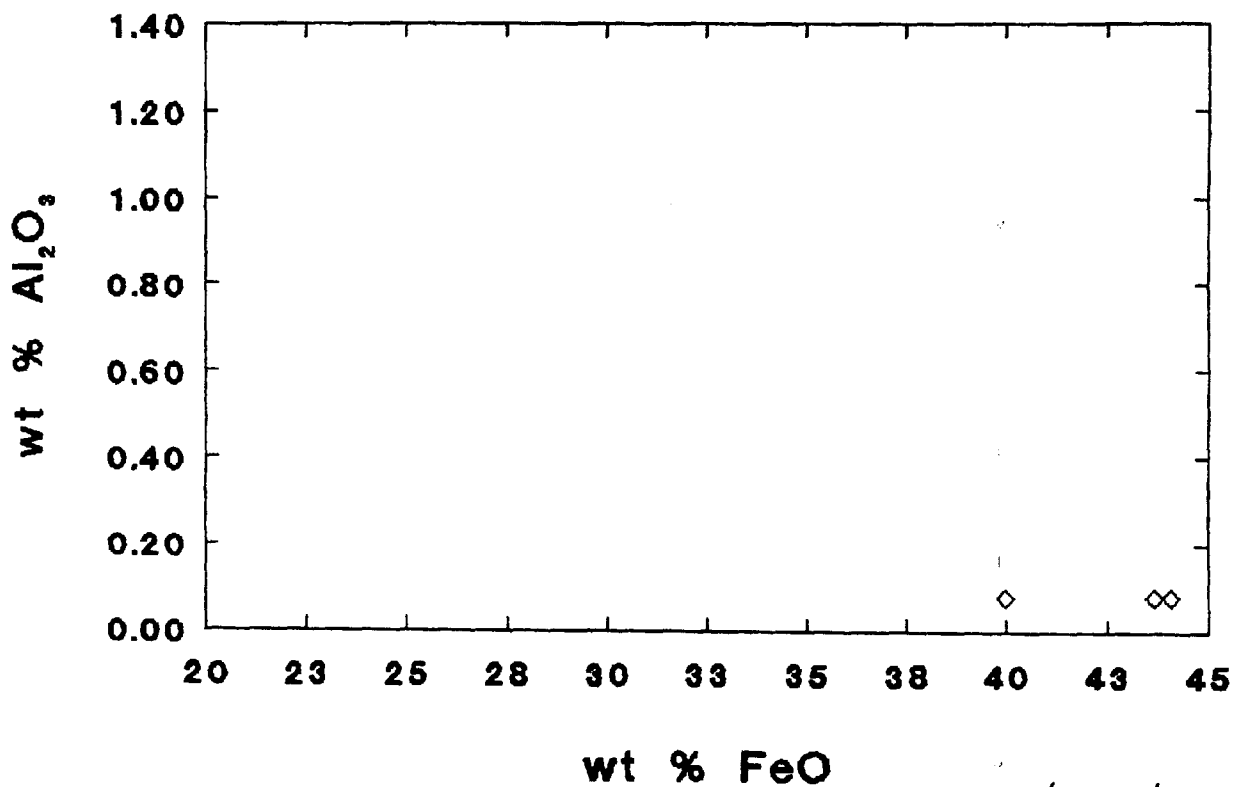
**ILMENITE - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 2001)**



◇ RLB

MC-10

**ILMENITE - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 2001)**



◇ RLB

MC-10

ILMENITE, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, 3:13.

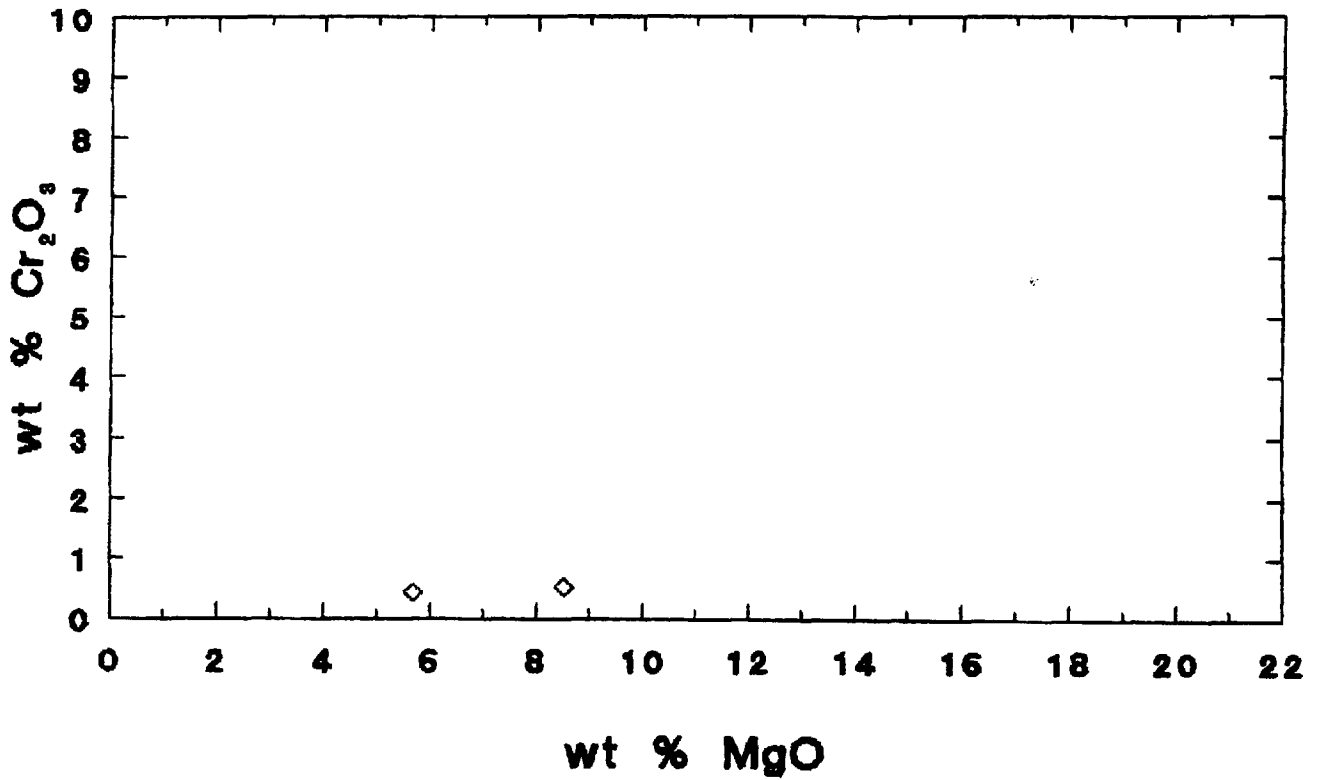
	1	2	3	4
SI02	.02	.04	.01	.05
YI02	53.07	50.69	50.68	49.36
A203	.08	.08	.08	.06
C293	.00	.00	.00	.00
FE0	39.98	44.08	43.67	46.36
MNO	.86	2.26	.70	3.97
MGO	5.95	2.57	3.89	.04
ZNO	.00	.07	.02	.08
HIO	.19	.18	.11	.18
H2O5	.08	.15	.00	.03
SUM	100.23	100.12	99.16	100.13
SI	.005 *	.011 *	.003 *	.014 *
TI	10.360 *	10.213 *	10.214 *	10.163 *
AL	.024 *	.025 *	.025 *	.019 *
CR	.000 *	.000 *	.000 *	.000 *
FE	8.679 *	9.877 *	9.788 *	10.615 *
MN	.189 *	.513 *	.159 *	.921 *
MG	2.302 *	1.026 *	1.554 *	.016 *
ZN	.000 *	.014 *	.004 *	.016 *
NI	.040 *	.039 *	.024 *	.040 *
NR	.009 21.609	.018 21.736	.000 21.770	.004 21.808
D	32.000 *	32.000 *	32.000 *	32.000 *
T/M	3.852	10.123	6.401	706.686
F/M	.794	.910	.865	.999

- 1 SAMPLE MC-10 GRAIN 10 CENTRAL
- 2 SAMPLE MC-10 GRAIN 10 MARGINAL ZONE
- 3 SAMPLE MC-10 GRAIN 11 MAIN GRAIN
- 4 SAMPLE MC-10 GRAIN 11 NARROW BRIGHT MARGIN

Mg ILMENITE



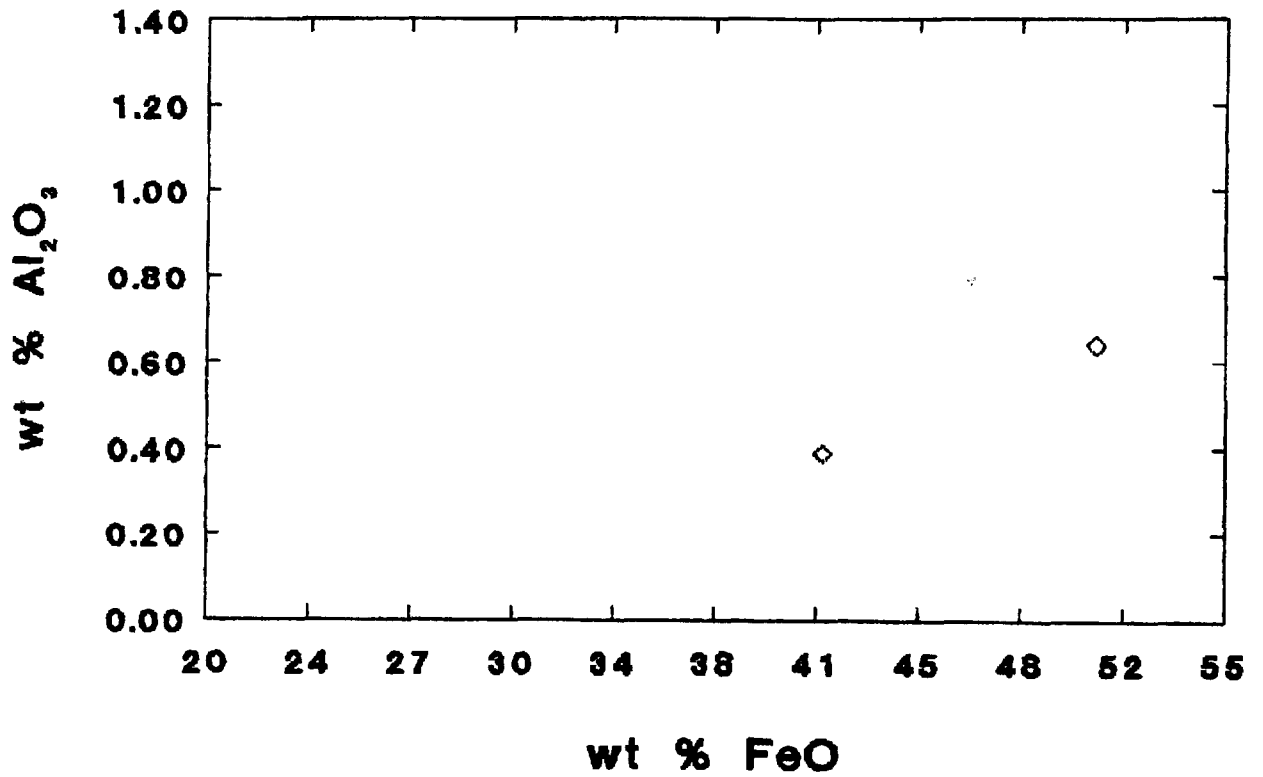
**ILMENITE - DIAMOND DISCOVERIES INT.
TORNGAT PROJECT November 15 2001**



◇ RLB

H2RX-10 (H2-10)

**ILMENITE - DIAMOND DISCOVERIES INT.
TORNGAT PROJECT November 15 2001**



◇ RLB

H2RX-10(H2-10)

ILMENITE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, Nov. 15 2001, R.L.B.

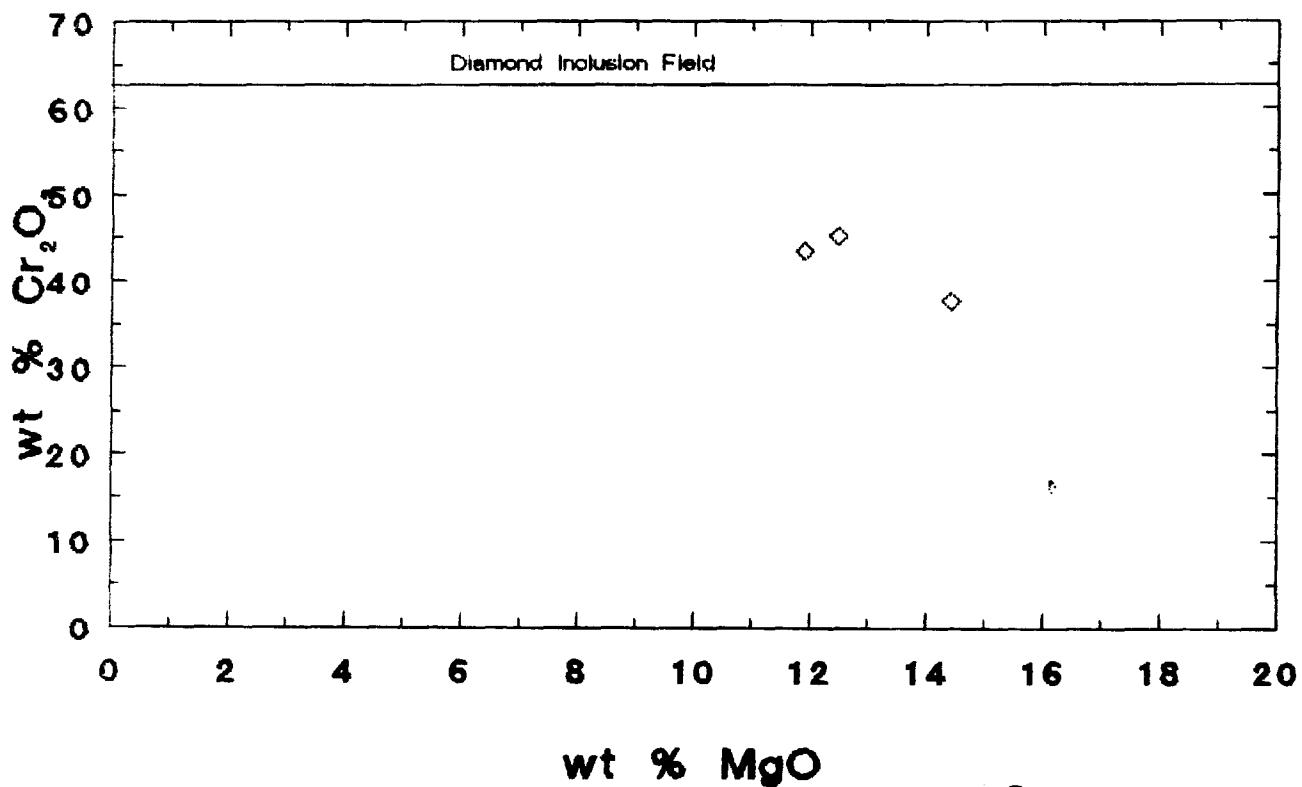
	1	2
SI02	.00	.02
TI02	41.94	48.98
A203	.64	.39
C203	.43	.52
FE0	50.57	41.23
MNO	.12	.49
MGO	5.68	8.52
ZNO	.07	.00
NIO	.04	.10
N2O5	.22	.00
SUM	99.71	100.25

SI	.000	*	.005	*
TI	8.707	*	9.607	*
AL	.208	*	.120	*
CR	.094	*	.107	*
FE	11.675	*	8.993	*
MN	.028	*	.108	*
MG	2.337	*	3.312	*
ZN	.014	*	.000	*
NI	.009	*	.021	*
NB	.027	23.101	.000	22.274
O	32.000	*	32.000	*
F/M	5.007		2.748	
F/FM	.834		.733	

1 SAMPLE H2-10 GRAIN 10 BRIGHT CENTRAL

2 SAMPLE H2-10 GRAIN 10 DARK AT MARGIN W RIND TI MT

**CHROMITE - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 3 2001)**



◇ RLB

DRX-3
CHASSIN-1 (CH-1)

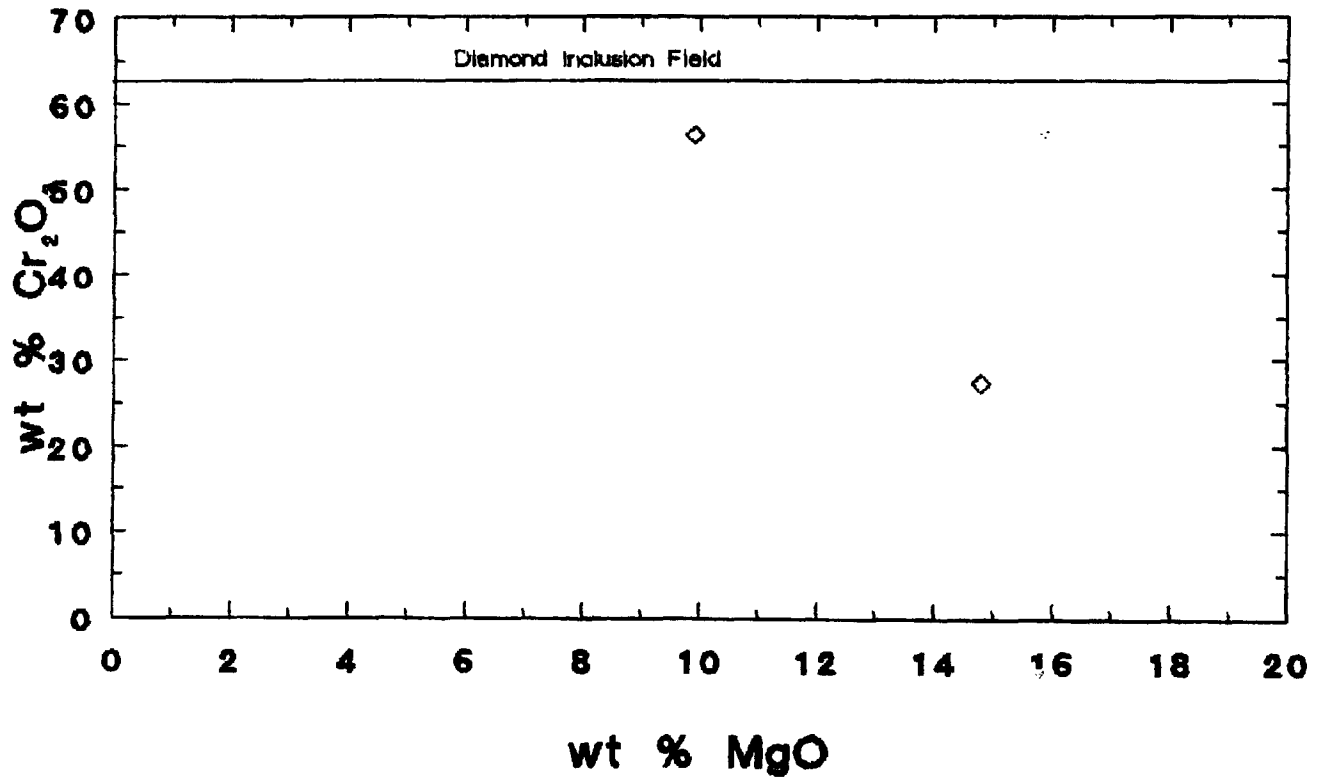
CHROMITE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, September 3 2001, R.L.B

	1	2	3
SI02	.00	.00	.01
TI02	.02	.38	2.84
AL03	32.34	21.43	14.54
CR03	37.71	45.26	43.45
FE0	15.49	19.54	26.47
MND	.28	.43	.34
MGB	14.43	12.49	11.92
ZND	.01	.28	.18
NIB	.10	.06	.30
SUM	100.38	99.89	100.05
SI	.000 *	.000 *	.003 *
TI	.004 *	.072 *	.560 *
AL	8.919 *	6.331 *	4.490 *
CR	6.978 *	8.963 *	9.003 *
FE	3.032 *	4.093 *	5.802 *
MN	.056 *	.091 *	.075 *
MG	5.034 *	4.663 *	4.656 *
CN	.002 *	.052 *	.035 *
NI	.019 24.043	.012 24.277	.063 24.688
O	32.000 *	32.000 *	32.000 *
F/M	.613	.897	1.262
F/FM	.380	.473	.558

- 1 SAMPLE DRX-3 GRAIN 10
- 2 SAMPLE DRX-3 GRAIN 22
- 3 SAMPLE CH-1 GRAIN 5

CHROMITE
↓

**CHROMITE - DIAMOND DISCOVERIES INT.
TORNGAT PROJECT November 15 2001**



◇ RLB

DDI-3-30 (3-30)
H2RX-10 (H2-10)

CHROMITE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, Nov. 15 2001, R.L.B.

	1		2	
SI02	.00		.00	
TI02	.01		.75	
A2O3	41.75		12.70	
C2O3	27.26		56.25	
FE0	15.84		19.84	
MNO	.13		.36	
MGO	14.82		9.92	
ZNO	.04		.18	
NIO	.15		.19	
SUM	100.00		100.19	
SI	.000	*	.000	*
TI	.002	*	.148	*
AL	11.105	*	3.917	*
CR	4.865	*	11.640	*
FE	2.990	*	4.343	*
MN	.025	*	.080	*
MG	4.986	*	3.870	*
ZN	.007	*	.035	*
NI	.027	24.007	.040	24.071
O	32.000	*	32.000	*
F/M	.605		1.143	
F/FM	.377		.533	

1 SAMPLE 3-30 GRAIN 5
 2 SAMPLE H2-10 GRAIN 9

OLIVINE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, September 3 2001, R.L.B.

	1		2	
SiO2	40.62		40.89	
TiO2	.00		.00	
Al2O3	.00		.00	
Cr2O3	.02		.00	
FeO	7.19		7.36	
MgO	51.82		51.27	
MnO	.09		.11	
CaO	.00		.00	
K2O	.00		.01	
Na2O	.01		.02	
NiO	.34		.27	
SUM	103.09		99.53	
Si	.985	*	.993	*
Al	.000	.985	.000	.993
Al	.000	*	.000	*
Ti	.000	*	.000	*
Cr	.000	*	.000	*
Fe	.146	*	.149	*
Mn	.002	*	.002	*
Mg	1.874	*	1.856	*
Ca	.000	*	.000	*
K	.000	*	.000	*
Na	.000	*	.001	*
Ni	.007	2.029	.005	2.014
O	4.000	*	4.000	*
FO	92.78		92.55	
FA	7.22		7.45	
F/M	.079		.082	
F/FM	.073		.076	

1 SAMPLE DRX-3 GRAIN 28
 2 SAMPLE DRX-3 GRAIN 29

OLIVINE FO 92.8
 OLIVINE FO 92.6

OLIVINE, DIAMOND DISCOVERIES INTERNATIONAL, September 11, 2001, R...B.

	1	
SiO2	36.66	
TiO2	.01	
Al2O3	.00	
Cr2O3	.02	
FeO	30.67	
MgO	32.01	
MnO	.42	
CaO	.01	
K2O	.01	
Na2O	.00	
NiO	.00	
SUM	99.81	
SI	.997	*
AL	.000	.997
AL	.000	*
TI	.000	*
CR	.000	*
FE	.697	*
MN	.010	*
MG	1.297	*
CA	.000	*
K	.000	*
NA	.000	*
NI	.000	2.006
O	4.000	*
FO	65.04	
FA	34.96	
F/M	.545	
F/FM	.353	

1 SAMPLE MC- 9 GRAIN 6 OLIVINE Fo 65

OLIVINE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	1	2	3	4	5	6	7	8
SI02	40.58	40.16	40.48	41.05	41.20	41.04	41.50	41.41
TI02	.04	.00	.01	.00	.00	.03	.02	.00
A203	.00	.00	.00	.00	.00	.00	.00	.00
C203	.01	.05	.07	.01	.01	.00	.02	.04
FEO	8.14	8.12	8.09	7.96	7.85	8.29	8.13	8.22
MGD	51.24	51.25	51.39	50.94	50.73	50.13	50.31	50.14
MNO	.01	.00	.00	.00	.05	.00	.03	.03
CAO	.00	.01	.00	.00	.00	.00	.00	.00
K2O	.00	.00	.00	.00	.00	.00	.00	.00
NA2O	.01	.00	.00	.00	.02	.01	.02	.00
NiO	.39	.36	.33	.30	.35	.40	.34	.41
SUM	100.42	99.95	100.37	100.26	100.21	99.90	100.37	100.25
SI	.985 *	.980 *	.983 *	.996 *	.999 *	1.000 *	1.005 *	1.005 *
AL	.000 .985	.000 .980	.000 .983	.000 .996	.000 .999	.000 1.000	.000 1.005	.000 1.005
AL	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
TI	.001 *	.000 *	.000 *	.000 *	.000 *	.001 *	.000 *	.000 *
CR	.000 *	.001 *	.001 *	.000 *	.000 *	.000 *	.000 *	.001 *
FE	.165 *	.166 *	.164 *	.161 *	.159 *	.169 *	.165 *	.167 *
MN	.000 *	.000 *	.000 *	.000 *	.001 *	.000 *	.001 *	.001 *
MG	1.854 *	1.865 *	1.860 *	1.841 *	1.834 *	1.821 *	1.816 *	1.814 *
CA	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
K	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
NA	.000 *	.000 *	.000 *	.000 *	.001 *	.000 *	.001 *	.000 *
NI	.008 2.029	.007 2.039	.006 2.033	.006 2.009	.007 2.002	.008 1.999	.007 1.990	.008 1.990
O	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *
FD	91.82	91.84	91.88	91.94	92.01	91.51	91.69	91.5
FA	8.18	8.16	8.12	8.06	7.99	8.49	8.31	8.4
F/M	.089	.089	.088	.088	.087	.083	.091	.08
F/FM	.082	.082	.081	.081	.080	.085	.083	.08

- 1 SAMPLE 3-S.P. GRAIN 1 INT W CPX
- 2 SAMPLE 3-S.P. GRAIN 2 INT W CPX
- 3 SAMPLE 3-S.P. GRAIN 3 INT W CPX
- 4 SAMPLE 3-S.P. GRAIN 4 W CPX & OPX
- 5 SAMPLE 3-S.P. GRAIN 5 INT W CPX
- 6 SAMPLE 3-S.P. GRAIN 6
- 7 SAMPLE 3-S.P. GRAIN 7
- 8 SAMPLE 3-S.P. GRAIN 8

OLIVINE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.8.

	9	10	11	12	13	14	15	16
STO2	40.86	41.51	41.12	40.84	41.40	41.37	40.64	41.40
TIO2	.02	.04	.03	.00	.00	.00	.04	.04
A2O3	.00	.00	.00	.00	.00	.00	.00	.00
C2O3	.03	.00	.08	.00	.03	.04	.06	.05
FE0	8.38	8.27	9.02	8.32	7.90	7.64	13.09	8.08
MGO	50.89	49.74	49.50	50.65	50.27	50.86	46.39	50.32
MNO	.00	.03	.00	.01	.00	.06	.14	.01
CAO	.00	.00	.00	.00	.00	.00	.01	.00
K2O	.00	.00	.02	.00	.00	.00	.02	.01
NA2O	.02	.00	.01	.00	.00	.00	.00	.03
NIO	.30	.33	.37	.42	.37	.38	.02	.33
SUM	100.50	99.92	100.15	100.24	99.97	100.35	100.41	100.27
SI	.991 *	1.010 *	1.003 *	.993 *	1.006 *	1.001 *	1.006 *	1.004 *
AL	.000 .991	.000 1.010	.000 1.003	.000 .993	.000 1.006	.000 1.001	.000 1.006	.000 1.0
AL	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
TI	.000 *	.001 *	.001 *	.000 *	.000 *	.000 *	.001 *	.001 *
CR	.001 *	.000 *	.002 *	.000 *	.001 *	.001 *	.001 *	.001 *
FE	.170 *	.168 *	.184 *	.169 *	.160 *	.155 *	.271 *	.164 *
MN	.000 *	.001 *	.000 *	.000 *	.000 *	.001 *	.003 *	.000 *
MG	1.840 *	1.804 *	1.799 *	1.836 *	1.820 *	1.834 *	1.711 *	1.818 *
CA	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
K	.000 *	.000 *	.001 *	.000 *	.000 *	.000 *	.001 *	.000 *
NA	.001 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.001 *
NI	.006 2.018	.006 1.980	.007 1.994	.008 2.014	.007 1.988	.007 1.998	.000 1.988	.006 1.9
O	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *
FO	91.54	91.47	90.72	91.56	91.90	92.23	86.33	91.7
FA	8.46	8.53	9.28	8.44	8.10	7.77	13.67	8.1
F/M	.092	.094	.102	.092	.088	.085	.160	.09
F/FM	.085	.086	.093	.084	.081	.078	.138	.08

- 9 SAMPLE 3-S.P. GRAIN 9
- 10 SAMPLE 3-S.P. GRAIN 11
- 11 SAMPLE ARY-4 GRAIN 11
- 12 SAMPLE ARY-4 GRAIN 12
- 13 SAMPLE H2-3 GRAIN 9
- 14 SAMPLE H2-3 GRAIN 10
- 15 SAMPLE H2-10 GRAIN 4
- 16 SAMPLE H2-10 GRAIN 5

OLIVINE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	17	18	19	20	21	22	23	24
SI02	40.98	41.37	40.63	40.58	41.22	41.46	41.03	40.73
TI02	.00	.03	.03	.04	.02	.01	.00	.03
A203	.00	.00	.00	.00	.04	.00	.00	.00
C203	.03	.07	.06	.03	.05	.03	.03	.01
FEO	7.90	7.49	12.98	13.87	8.16	7.89	8.20	7.90
MGO	51.16	50.61	45.81	45.57	50.62	50.59	50.79	51.51
MNO	.03	.00	.02	.09	.00	.03	.01	.02
CAO	.00	.00	.00	.00	.00	.00	.00	.00
K2O	.01	.00	.01	.00	.00	.00	.00	.00
NA2O	.01	.00	.02	.03	.00	.00	.00	.00
NIO	.33	.39	.25	.24	.29	.30	.38	.33
SUM	100.45	99.96	99.81	100.45	100.40	100.31	100.44	100.53
SI	.992 *	1.004 *	1.011 *	1.008 *	.999 *	1.004 *	.995 *	.986 *
AL	.000 .992	.000 1.004	.000 1.011	.000 1.008	.001 1.000	.000 1.004	.000 .995	.000 .986
AL	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
TI	.000 *	.001 *	.001 *	.001 *	.000 *	.000 *	.000 *	.001 *
CR	.001 *	.001 *	.001 *	.001 *	.001 *	.001 *	.001 *	.000 *
FE	.160 *	.152 *	.270 *	.288 *	.165 *	.160 *	.166 *	.160 *
MN	.001 *	.000 *	.000 *	.002 *	.000 *	.001 *	.000 *	.000 *
MG	1.847 *	1.830 *	1.699 *	1.687 *	1.828 *	1.825 *	1.836 *	1.859 *
CA	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
K	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *	.000 *
NA	.000 *	.000 *	.001 *	.001 *	.000 *	.000 *	.000 *	.000 *
NI	.006 2.015	.008 1.992	.005 1.978	.005 1.984	.006 2.000	.006 1.992	.007 2.010	.006 2.020
O	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *
FO	92.03	92.33	86.28	85.41	91.71	91.95	91.69	92.08
FA	7.97	7.67	13.72	14.59	8.29	8.05	8.31	7.92
F/M	.087	.083	.159	.172	.090	.088	.091	.086
F/FM	.080	.077	.137	.147	.083	.081	.083	.079

17 SAMPLE H-23 GRAIN 1 H2-3
 18 SAMPLE H-23 GRAIN 2 H2-3
 19 SAMPLE H-23 GRAIN 3 H2-3
 20 SAMPLE H-23 GRAIN 4 H2-3
 21 SAMPLE HD GRAIN 5
 22 SAMPLE HD GRAIN 6
 23 SAMPLE HD GRAIN 7
 24 SAMPLE HD2 GRAIN 10

OLIVINE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, November 15 2001, R.L.B.

	25	26	27	28
SI02	40.70	41.31	39.74	40.87
TIO2	.03	.02	.06	.01
AZ03	.00	.00	.00	.00
C2O3	.00	.08	.00	.03
FE0	8.01	7.93	16.78	7.72
MGO	50.84	50.38	43.70	51.36
MNO	.06	.02	.15	.02
CAO	.00	.00	.00	.00
K2O	.00	.00	.00	.00
NA2O	.00	.01	.02	.01
NIO	.28	.36	.05	.29
SUM	99.92	100.11	100.50	100.31

SI	.991	*	1.003	*	1.000	*	.990	*
AL	.000	.991	.000	1.003	.000	1.000	.000	.990
AL	.000	*	.000	*	.000	*	.000	*
TI	.001	*	.000	*	.001	*	.000	*
CR	.000	*	.002	*	.000	*	.001	*
FE	.163	*	.161	*	.353	*	.156	*
MN	.001	*	.000	*	.003	*	.000	*
MG	1.846	*	1.823	*	1.639	*	1.855	*
CA	.000	*	.000	*	.000	*	.000	*
K	.000	*	.000	*	.000	*	.000	*
NA	.000	*	.000	*	.001	*	.000	*
NI	.005	2.016	.007	1.994	.001	1.999	.006	2.019
O	4.000	*	4.000	*	4.000	*	4.000	*
FO	91.88		91.89		82.27		92.22	
FA	8.12		8.11		17.73		7.78	
F/M	.089		.089		.217		.085	
F/FM	.082		.081		.179		.078	

25 SAMPLE HD2 GRAIN 11
 26 SAMPLE 5262 GRAIN 3
 27 SAMPLE 5262 GRAIN 4
 28 SAMPLE 5262 GRAIN 7

AMPHIBOLE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, September 3 2001, R.1.3.

	1	2	3	4	5
SiO2	47.13	45.35	50.06	51.64	51.92
TiO2	.82	.10	.07	.14	.07
Al2O3	9.74	14.56	10.50	7.60	4.19
Cr2O3	.34	.39	.52	1.78	.98
FeO	8.52	5.33	4.50	3.79	9.82
MgO	15.97	16.07	17.97	20.71	17.21
MnO	.12	.03	.05	.02	.25
CaO	12.32	13.12	13.22	11.25	11.91
K2O	.67	.40	.18	.16	.30
Na2O	1.61	1.21	.89	.71	.85
F	.29	.01	.01	.01	.01
CL	.00	.00	.00	.00	.00
SUM	97.53	96.57	97.97	97.81	97.51
-O= F+CL	.12	.00	.00	.00	.00
SUM	97.41	96.57	97.97	97.81	97.51

Si	6.784 *	6.479 *	6.971 *	7.157 *	7.446 *
Al	1.216 8.000	1.521 8.000	1.029 8.000	.843 8.000	.554 8.000
Al	.436 *	.930 *	.695 *	.398 *	.154 *
Ti	.089 *	.011 *	.007 *	.015 *	.008 *
Cr	.039 *	.044 *	.057 *	.195 *	.111 *
Fe	1.026 *	.637 *	.524 *	.439 *	1.178 *
Mg	3.426 *	3.422 *	3.730 *	4.278 *	3.679 *
Mn	.015 5.029	.004 5.047	.006 5.019	.002 5.327	.030 5.159
Ca	1.900 *	2.008 *	1.973 *	1.671 *	1.830 *
K	.123 *	.073 *	.032 *	.028 *	.055 *
Na	.449 2.472	.335 2.416	.240 2.245	.191 1.890	.236 2.121
F	.132 *	.005 *	.004 *	.004 *	.005 *
CL	.000 *	.000 *	.000 *	.000 *	.000 *
O	23.000 *	23.000 *	23.000 *	23.000 *	23.000 *
FE	23.04	15.69	12.32	9.31	24.25
MG	76.96	84.31	87.68	90.69	75.75
F/M	.304	.187	.142	.103	.328
F/FM	.233	.158	.124	.094	.247

- 1 SAMPLE MC-2 GRAIN 2 REPL CPX
- 2 SAMPLE VEN-2A GRAIN 1, CENTRAL DOMAIN
- 3 SAMPLE VEN-2A GRAIN 1, OUTER DOMAIN
- 4 SAMPLE VEN-2A GRAIN 2
- 5 SAMPLE VEN-2A GRAIN 3

OF AMPHIBOLE (IGNEOUS)
 ''
 ''
 OF AMPHIBOLE
 ''

CR-AMPHIBOLE, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001 R.L.B.

	1	2	3
SIG2	54.18	55.27	45.55
TGC2	.01	.04	.02
A2O3	3.40	2.57	13.87
C2O3	1.05	.64	.07
FEC	4.67	4.00	7.84
MGO	20.81	22.12	15.59
MNO	.00	.01	.12
CAO	12.16	12.12	11.87
K2O	.13	.07	.17
NA2O	.63	.42	1.66
F	.01	.01	.01
CL	.00	.00	.00
SUM	97.05	97.27	96.77
-O= F+CL	.00	.00	.00
SUM	97.05	97.27	96.77

SI	7.588 *	7.673 *	6.544 *
AL	.415 8.000	.327 8.000	1.456 8.000
BL	.146 *	.093 *	.893 *
TI	.001 *	.004 *	.002 *
CR	.116 *	.070 *	.008 *
FE	.547 *	.464 *	.942 *
MG	4.342 *	4.577 *	3.339 *
HA	.000 5.152	.001 5.210	.015 5.198
CA	1.824 *	1.803 *	1.827 *
K	.023 *	.012 *	.031 *
NA	.171 2.018	.113 1.928	.452 2.321
F	.004 *	.004 *	.005 *
CL	.000 *	.000 *	.000 *
O	23.000 *	23.000 *	23.000 *
FE	11.18	9.21	22.01
MG	88.82	90.79	77.99
F/M	.126	.102	.287
F/FH	.112	.092	.223

- 1 SAMPLE MCH-3 GRAIN 2
- 2 SAMPLE MCH-3 GRAIN 3
- 3 SAMPLE MCH-3 GRAIN 4

CR AMPHIBOLE
"11"

AMPHIBOLE (IGNEOUS)

September 21, 2001

Mr. Robert Dillman,
For:
Mr. Peter Farderber,
Diamond Discoveries International,
C/O Prospecting Geophysics Ltd.,
117 Rue Villeneuve,
VAL D'OR, Quebec Fax 1-819-824-3966.

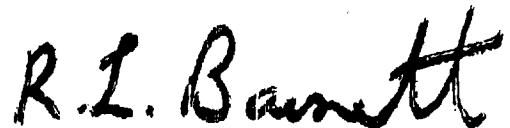
R. L. Barnett Geological Consulting,
9684 Longwoods Road,
RR32, London,
Ontario, N6P 1P2 Ph 1-519-652-1498 Fax 1-519-652-1475

Dear Bob,

For your records, the purpose of this letter is provide information concerning the nature and fate of mineral grains for which analyses were not provided in the batch of grains given to me with your letter of September 3, 2001. These grains were identified using the EDS system on the microprobe during the course of mineral analyses.

Sample DEX-3 - grains 21,23 - Ti-magnetite
Sample CH-1 - grains 2,3,7,8,9,11 - magnetite
 grains 4,6,9,10,12- ilmenite
Sample MC-2 - grain 3,4 - epidote
 grain 5,6,7,9,10 - spessartine-almandine ss.
 grains 14,15 - ilmenite
Sample AY-2 - grains 5-12 - rutile
Sample VEN-2A - grains 5-7,11-16 - ilmenite
 grain 17 - rutile
 grains 8-10 - Fe clinopyroxene
Sample 6-12 - grains 1,4,58 - rutile
 grains 2,36,7 - ilmenite
Sample 6-17 - grain 1 - rutile
 grain 2 - ilmenite
 grain 3 - rutile + ilmenite
 grain 4 - Ti-magnetite

Sincerely,



R. L. Barnett

September 21, 2001

Mr. Robert Dillman,
For:
Mr. Peter Ferderber,
Diamond Discoveries International,
C/O Prospecting Geophysics Ltd.,
117 Rue Villeneuve,
VAL D'OR, Quebec Fax 1-819-824-3966

R. L. Barnett Geological Consulting,
9684 Longwoods Road,
RR32, London,
Ontario, N6P 1P2

Ph 1-519-652-1498 Fax 1-519-652-1475

Dear Bob,

For your records, the purpose of this letter is provide information concerning the nature and fate of mineral grains for which analyses were not provided in the batch of grains given to me with your letter of September 11, 2001. These grains were identified using the EDS system on the microprobe during the course of mineral analyses.

Sample MC-3 - grain 3 - amphibole

Sample MC-5 - grains 4-9 - ilmenite

Sample MC-9 - grains 1,5 - almandine
grain 2 - grossular-almandine ss.
grain 4 - lost

Sample MC-10 - grain 3 - sphene
grain 6 - amphibole
grains 7,8 - ilmenite
grains 9,11 - pyrite enclosed in Fe oxide

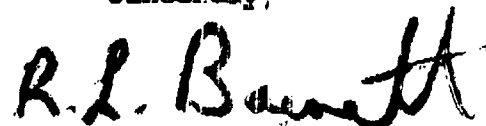
Sample MC-13 - grains 7-12 - ilmenite

Sample MCW-3 - grain 6 - Fe oxide - possible welding band

Sample MCW-6 - grain 4 - monazite
grains 10,16 - amphibole
grain 12 - apatite
grain 14 - rutile
grains 13,15,17 - Fe clinopyroxene

Sample MCW-8 - grain 4 - grossular-almandine ss.
grains 10,12,14 - ilmenite
grain 11,13 - amphibole
grain 15 - rutile

Sincerely,

A handwritten signature in black ink, reading "R. L. Barnett". The signature is written in a cursive style with a prominent, sweeping flourish at the end of the name.

R. L. Barnett

Mr. Robert Dillman,
For
Mr. Peter Ferderber,
Diamond Discoveries International,
114, Rue Villeneuve,
Val-D'Or, Quebec,
J9P 3L7 Fax 1-819-824-3966

October 24, 2001

R. L. Barnett Geological Consulting Inc.,
9684 Longwoods Road,
RR 32, London,
Ontario,
N6P 1P2
Ph. 1-519-653-1498
Fax 1-519-653-1475

Dear Bob,

For your records, the identity of the "non-indicator" minerals in the batch of grains given to me October 5, 2001 is:

Sample DRX-1 - grain 15 - lithic fragment

Sample DRX-2 - grains 2,3,6,9,12,
13,14,17,20-23,28,29,31 - corundum
- grain 32 - Mg,Al,Cr-Ti magnetite (altered)

Sample 5294 - grains 1-5,12 - in plastic
grains 7,13 - pyrite
grains 8,21,24,27,34,37,38,
43,45,56,67,71 - apatite
grain 11 - grossular-almandine ss.
grains 15,30C,31,32,50,58,69,70 - sphene
grains 16,35 - amphibole
grain 29b - chalcopyrite
grain 36 - quartz
grain 60 - Mn ilmenite + phlogopite

Sincerely,



R. L. Barnett

November 22, 2001

Mr. Robert Dillman,
For:
Mr. Peter Ferderber,
Diamond Discoveries International,
C/O Prospecting Geophysics Ltd.,
117 Rue Villeneuve,
VAL D'OR, Quebec Fax 1-819-824-3966

R. L. Barnett Geological Consulting,
9684 Longwoods Road,
RR32, London,
Ontario, N6P 1P2

Ph 1-519-652-1498 Fax 1-519-652-1475

Dear Bob,

For your records, the purpose of this letter is provide information concerning the nature and fate of mineral grains for which analyses were not provided in the batch of grains given to me with your letter of November 15, 2001. These grains were identified using the EDS system on the microprobe during the course of mineral analyses.

Sample HD2 - grain 13 - perovskite

Sample 3-30 - grain 9 - quartz
grain 10 - sphene

Sample 3-32 - grain 1 - spessartine-almandine ss.
grains 3,6 - sphene

Sample 3-33 - grain 4 - apatite
grain 6 - lithic fragment
grain 10 - sphene

Sample 3-34 - grain 5 - ilmenite

Sample 3-39 - grains 3,5 - grossular-almandine ss.

Sample HD - grains 1-4 - Cu(S) chloride

Sample H2-10 - grain 7 - quartz

Sample H2-3 - grain 5 - melanite
12RX-3/5262 grain 11 - magnetite
grains 6,7,12, - Ti magnetite
grains 8,13,14, - perovskite
grains 15,16 - Ti magnetite + perovskite

Sample 6-22 - grains 1-3,13,14,16 - rutile
grains 4,5 - epidote
grains 7 - phlogopite-biotite ss.
grain 9 - magnetite
grains 10,11 - grossular-almandine ss.
grain 15 - Mn ilmenite

Sample MC-10 - grain 6 - zircon
grains 7,8,9,10 - grossular-almandine ss.

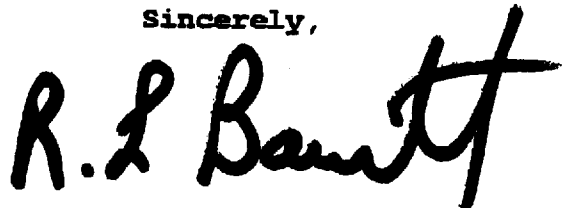
Sample XP-8 - grains 1,2,4 - grossular-almandine ss.

Sample ARY-4 - grains 1,4,5,6,7 - perovskite
grains - 2,3 - melanite

Sample CDF - grains 4,5 - quartz
grain 6 - ilmenite

Sample 5262 - grain 5 - serpentine
grain 6 - melanite

Sincerely,



R. L. Barnett

D.D.I. #1

SAMPLE NUMBER: DRX-1 -6m TO 20m
DIGESTION

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 5.23

SIZE FRACTION: <5.0 - 1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 5.23 grams
TOTAL 5.23 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 5.23 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						10%
BROWN											1%											
BLACK															5%							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL											1%				5%							10%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 5% graphite flakes, 80% undigested lamprophyric rock fragments.
abundant large and small pink corundum. Some magnetite could be chromite or ilmenite.

SIGNED BY:

Robert J. Dillman Apr. 1 '13/0:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D. D. I. #1

SAMPLE NUMBER: DRX-1 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 6.73

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 6.73 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 6.73 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 6.73 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE	8 g																					
LILAC																						
RED																						
ORANGE	3 g																					
PINK		5%																				5%
BROWN											20%											
BLACK														5%	20%							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL	11 g	5%									20%			5%	20%							5%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: small pyropes of gem quality.

COMMENTS: abundant pink corundum. Some magnetite could be chromite or ilmenite.

SIGNED BY:

RJD April 13, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.T. #1

SAMPLE NUMBER: DRX-2 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0.65

SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 0.65 grams
TOTAL 0.65 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0.65 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					6 g
BROWN											5%										
BLACK														5%	80%						
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL											5%			5%	80%						6 g

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant graphite 5%, 8 large flakes. Some magnetite could be chromite or ilmenite.
trace clear apatite. 7 5mm lamprophyre rock fragments.

SIGNED BY:

Robert J. Dillman April 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: DRX-2 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0.6

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

NONMAGNETIC FRACTION: 0.6 grams

TOTAL 0.6 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0.6 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE	5 g																					
LILAC																						
RED																						
ORANGE	1 g																					
PINK																						5%
BROWN																						
BLACK														Tr.	40%							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL	6 g													Tr.	40%							5%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: all pyropes are gem quality, small grains

COMMENTS: 55% clear to translucent white apatite.

SIGNED BY:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.P.T. #1

SAMPLE NUMBER: DRX-2 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 4.82

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 4.82 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 4.82 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 4.82 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE	12 g																				
LILAC																					
RED																					
ORANGE		3 g																			tr.
PINK																					5%
BROWN																					
BLACK															95%						
Br. GREEN					1 g																
Dk. GREEN						2 g															
YELLOW																					
CLEAR																					
SILVER																					
TOTAL	12 g	3 g			1 g	2 g									95%						5%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: all pyropes are gem quality, small grains

COMMENTS: Some magnetite could be chromite, ilmenite, perovskite, andradite.
trace clear apatite. 7 5mm lamprophyre rock fragments.

SIGNED BY:

Robert J. Dillman Apr. 13/2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: DRX-3 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 3 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 3 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 3 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE		1 g																			
PINK																					
BROWN																					
BLACK															95%						
Br. GREEN					1 g																
Dk. GREEN						1 g															
YELLOW																				2 g	
CLEAR																					
SILVER																					
TOTAL		1 g			1 g	1 g									95%					2 g	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS: 2

OTHER MINERALS OF INTEREST:

COMMENTS: variety of black metalics , could be chromite-ilmenite-magnetite-perovskite-andradite.
Trace clear apatite.

SIGNED BY:

RJD Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: DRX-3 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3 SIZE FRACTION: >1 millimetres

MAGNETIC FRACTION: 3 grams COARSE OR FINER FRACTION AVAILABLE?: yes
NONMAGNETIC FRACTION: 0 grams
TOTAL 3 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 3 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE	2 g																				
LILAC																					
RED																					
ORANGE		1 g																			
PINK																					2 g
BROWN											70%										
BLACK			5%									5%	5%?	5%	5%						
Br. GREEN					3 g																
Dk. GREEN						7 g															
YELLOW																					2 g
CLEAR																					4 g
SILVER																					
TOTAL	2 g	1 g	5%		3 g	7 g						70%	5%	5%?	5%	5%					2 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS: 2

OTHER MINERALS OF INTEREST:

COMMENTS: variety of black metalics , could be chromite-ilmenite-magnetite-perovskite-andradite.
Very small pyropes and Cr diopside.

SIGNED BY:

[Handwritten Signature] Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DRX-3 D.D.I. #1

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 12.5 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 12.5 grams
 TOTAL 12.5 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 12.5 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 31

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC	25%																				
RED																					
ORANGE	13 g	30%																			
PINK																					
BROWN							Tr.														
BLACK												?	5%		20%						
Br. GREEN					5%																
Dk. GREEN																					
YELLOW									15%												
CLEAR									Tr.												
SILVER																					
TOTAL	25%	30%			5%		Tr.		15%			?	5%		20%						

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source

TOTAL KIMBERLITE OR RELATED MINERALS: 99%

COMMENTS: KIMBERLITE INDICATOR MINERAL SUITE: lilac pyrope many with outer rinds, some with chrome diopside intergrowths. Many metallic opaques with well-preserved outer rind.

MICROPROBE RESULTS: DRX-3

Photograph

KIMBERLITIC, POTENTIAL OR RELATED: 2 Ti magnetite, 8 pyrope (G-9), 2 Ca-Mg almandine, 11 Cr diopside, 4 enstatite, 2 olivine (92.5 - 92.7), 2 chromite

NON KIMBERLITIC:

SIGNED BY:



Nov 25/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DRX-3 Digestion *D.D.I.* / DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: yes
 NONMAGNETIC FRACTION: 1 grams
 TOTAL 1 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 1 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.		
PURPLE																							
LILAC																							
RED																							
ORANGE																							
PINK																							
BROWN											Tr.												
BLACK																							
Br. GREEN																							
Dk. GREEN																							
YELLOW																							
CLEAR																							
SILVER																							
TOTAL											Tr.												

Tr. : Trace (<1%) g : grains


KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 80% graphite flakes.
 20% clear apatite.

SIGNED BY:  APR 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DRX-3 Digestion *D.D.I. #1* DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0.36 SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0.36 grams
 NONMAGNETIC FRACTION: 0 grams
 TOTAL 0.36 grams
 COARSE OR FINER FRACTION AVAILABLE?: yes
 PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0.36 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES				OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					5 g
BROWN																					
BLACK															80%						
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL															80%						5 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 4 +5mm corundum grains

COMMENTS: 15% graphite flakes, 5% digested white silicate residue.
 Trace clear apatite.

SIGNED BY:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DRX-4 Digestion *D.D.I. #1* DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 2 SIZE FRACTION: >5.0 - 1.0 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: yes
 NONMAGNETIC FRACTION: 2 grams
 TOTAL 2 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 2 grams DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						80%
BROWN																						
BLACK															5 g							
Br. GREEN																						
Dk. GREEN																						
YELLOW									Tr.													
CLEAR																						
SILVER																						
TOTAL															5 g							80%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant fractured pink pellet-shaped corundum, most with outer silicate rind.
 some cores could be olivine.

SIGNED BY:

[Handwritten Signature] Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: ARX-1 DIGESTION *D.D.I.* DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 2.24 SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 2.24 grams
 NONMAGNETIC FRACTION: 0 grams
 TOTAL 2.24 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 2.24 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						4 g
BROWN											Tr.											
BLACK											Tr.	Tr.?	Tr.?		95%							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL											Tr.	Tr.?	Tr.?		95%							4 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: pink corundum grains >3.0 mm

COMMENTS: magnetic fraction, mostly magnetite, some could be chromite or Mg-ilmenite

SIGNED BY:

RJD March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.O.I. #1

SAMPLE NUMBER: ARX-1 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3.1

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 3.1 grams
TOTAL 3.1 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 3.1 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						1%
BROWN											5%											
BLACK										1%	10%			Tr.	Tr.				Tr.			
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL										1%	15%			Tr.	Tr.				Tr.			1%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: approximately 80% light brownish-yellow translucent silicate residue.
Trace. clear apatite.

SIGNED BY:  Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: ARX-1 D.D.I #1
"A" Dyke

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 69.4 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 31.2 grams COARSE OR FINER FRACTION AVAILABLE?: NO
 NONMAGNETIC FRACTION: 38.2 grams
 TOTAL 69.4 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 38.2 grams DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK				Tr.																		?
BROWN																						
BLACK											70%	?	?	15%	5%							
Br. GREEN																						
Dk. GREEN																						
YELLOW									10%													
CLEAR																						
SILVER																						
TOTAL				Tr.					10%	70%		?	?	15%	5%							

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES


DISTANCE ESTIMATE: 0 distance to perovskite lamprophyre.

TOTAL KIMBERLITE OR RELATED MINERALS: 95%

COMMENTS: abundant <02 mm octahedral crystals of perovskite, some could be andradite, ilmenite, chromite and magnetite.
 Many olivine with inclusions of perovskite and mica. Several large olivine and mica megacrysts.
 Strong magnetic component. Rock fragments of mica - olivine - perovskite -magnetite.

MICROPROBE RESULTS:
 KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:  Nov 28, 2001
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

D.O.I. #1

SAMPLE NUMBER: ARX-1 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

A. DYKE

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0.03

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0.03 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

NONMAGNETIC FRACTION: 0 grams

TOTAL 0.03 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0.03 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE		
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					10%
BROWN																					
BLACK														30%	35%						
Br. GREEN																					
Dk. GREEN						1 g															
YELLOW									Tr.							1 g		Tr.			
CLEAR									Tr.												
SILVER																					
TOTAL						1 g			1%					30%	35%	1 g		Tr.			10%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 20% light brownish-yellow translucent silicate residue.
5% clear apatite, several remnants of euhedral crystals.

SIGNED BY:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: ARX-2 Digestion DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: 'A" DYKE DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3.75 SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 3.75 grams COARSE OR FINER FRACTION AVAILABLE?: yes
NONMAGNETIC FRACTION: 0 grams
TOTAL 3.75 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 3.75 grams DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE		
PURPLE																					
LILAC																					
RED																					
ORANGE		2 g																			
PINK																					
BROWN											70%										
BLACK			2 g							10%				5%	10%						
Br. GREEN																					
Dk. GREEN					1 g			2 g													
YELLOW									Tr.												
CLEAR									2%												?
SILVER																					
TOTAL		2 g	2 g		1 g			2 g	2%	10%	70%			5%	10%						?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 1% clear apatite, some could be zircon.
weak digestion.

SIGNED BY:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: ARX-2 Digestion
A. DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 14.77

SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 14.77 grams
TOTAL 14.77 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 14.77 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTI	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE			
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN											10%											
BLACK			Tr.								5%	10%		20%	20%							
Br. GREEN																						
Dk. GREEN																						
YELLOW									5%													
CLEAR																						?
SILVER																						
TOTAL			Tr.						5%	5%	20%			20%	20%							?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant fine-grained perovskite and magnetite
partially digested megacrysts of mica, magnetite, andradite, perovskite
30% yellow silicate residue.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: ARX-2 DIGESTION
A DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1.2 SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 1.2 grams
TOTAL 1.2 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 1.2 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN											70%											
BLACK										5%												
Br. GREEN					1 g																	
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL					1 g					5%	70%											

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 25% clear apatite, trace of bright green Cu sulphate as in olivine Cr-diopside nodule.

SIGNED BY:

Robert J. Dillman March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

1 CHROME DIOPSIDE GRAIN

D.D.I #1

SAMPLE NUMBER: ARX-6
A DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 27.1 SIZE FRACTION: < 0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 27.1 grams
TOTAL 27.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY:

TOTAL CONCENTRATE EXAMINED: 27.1 grams

DATE:

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE																			
LILAC																			
RED																			
ORANGE		Tr.																	Tr.
PINK																			Tr.
BROWN			Tr.							10%	10%								
BLACK														40%	2 g				
Br. GREEN																			
Dk. GREEN																			
YELLOW									3%										
CLEAR									Tr.										
SILVER																			
TOTAL		Tr.	Tr.						3%	10%	10%			40%	2 g				Tr.

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance, on source

TOTAL KIMBERLITE OR RELATED MINERALS: > 90%

OTHER MINERALS OF INTEREST: euhedral brown andradite crystals

COMMENTS: sample contains megacrystic mantle nodules of yellow olivine

SIGNED BY:

MARCH 13, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

PEROVSKITE-ANDRADITE-MAGNETITE-OLIVINE-PHLOGOPITE LAMPROPHYRE DIKE

D.D.I. #1

SAMPLE NUMBER: ARX-6
A DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 49.2 SIZE FRACTION: <5.0 ->0.5 millimetres

MAGNETIC FRACTION: 43.8 grams
NONMAGNETIC FRACTION: 5.4 grams
TOTAL 49.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 49.2 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE																				
LILAC																				
RED																				
ORANGE																				
PINK																				2 g
BROWN											10%									
BLACK			5 g							10%				5 g	10 g					
Br. GREEN																				
Dk. GREEN									40%											
YELLOW									30%											
CLEAR																				
SILVER									10%											
TOTAL									80%	10%	10%			5 g	10 g					2 g

Tr. : Trace

g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE: o distance, sample on source

TOTAL KIMBERLITE OR RELATED MINERALS: >90%

OTHER MINERALS OF INTEREST:

COMMENTS: rock fragments of olivine-mica matrix with megacrysts of phlogopite-biotite mica & yellow + clear olivine & ANDRADITE - magnetite - perovskite clusters, magnetite macrocrysts

SIGNED BY:

Robert J. Dillman March 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

PEROVSKITE-ANDRADITE-MAGNETITE-OLIVINE-PHLOGOPITE LAMPROPHYRE OR PRIMITIVE KIMBERLITE DIKE

D.D.I. #1

SAMPLE NUMBER: ARX-4
A. DYKE

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 2.3 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 2.3 grams
TOTAL 2.3 grams
COARSE OR FINER FRACTION AVAILABLE?: NO
PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 2.3 grams DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 11

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																	
PINK				5%																	?
BROWN								2%													
BLACK			9 g							5%		?	?	80%	Tr.						
Br. GREEN																					
Dk. GREEN																					
YELLOW									5%												
CLEAR																					
SILVER																					
TOTAL			9 g	5%				2%	5%	5%		?	?	80%	Tr.						

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES


DISTANCE ESTIMATE: 0 distance to perovskite lamprophyre.

TOTAL KIMBERLITE OR RELATED MINERALS: 95%

COMMENTS: abundant <02 mm octahedral crystals of perovskite, some could be andradite, ilmenite, chromite and magnetite.
Many olivine with inclusions of perovskite and mica. Several large olivine megacrysts.
Trace clear apatite. Euhedral crystals of andradite.

MICROPROBE RESULTS: ARY-4 Series Photographs

KIMBERLITIC, POTENTIAL OR RELATED: 5 perovskite, 2 melanite (andradite), 2 Ca-Mg almandine, 2 olivine (Fo 90.7 - 91.4),

SIGNED BY:  Nov 29, 2001
ROBERT J. DILLMAN
ARJADEE PROSPECTING

NON KIMBERLITIC:

D.D.I. #1

SAMPLE NUMBER: 21107 6m to 20m DATE OF SUBMISSION: SEPTEMBER 2001

DIGESTION F. CROSS DYKE

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 4.74 SIZE FRACTION: <5.0 - 1.0 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 4.74 grams

TOTAL 4.74 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 4.74 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN											5%											
BLACK															8 g							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL											5%				8 g							

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 75% undigested lamprophyre rock fragments, 20% white to light-brown silicate residue. green plastic and broken screen contamination.

SIGNED BY:

Handwritten signature and date: Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: 21107 DIGESTION
F. CROSS DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1.66

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 1.66 grams
TOTAL 1.66 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 1.66 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN																						12 g
BLACK			3 g								75%			5%	5%							
Br. GREEN						2 g																
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL			3 g			2 g					75%			5%	5%							12 g

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

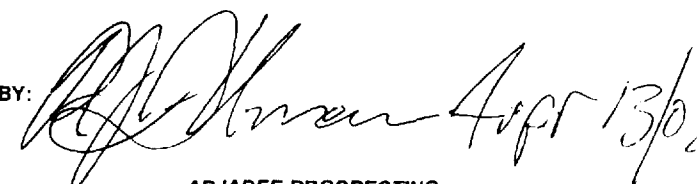
DISTANCE ESTIMATE: 0

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 2% clear apatite
10% fine undigested kimberlitic rock fragments

SIGNED BY:



ROBERT J. DILLMAN

ARJADEE PROSPECTING

D. D. I. #1

SAMPLE NUMBER: 5262 "A" DYKE

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 26.8

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 26.8 grams
TOTAL 26.8 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 26.8 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 6

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN																						
BLACK			10 g								75%			1%	3%							
Br. GREEN																						
Dk. GREEN																						
YELLOW									20%													
CLEAR																						
SILVER																						
TOTAL			10 g						20%	75%				1%	3%							

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to perovskite lamprophyre source.

TOTAL KIMBERLITE OR RELATED MINERALS: 99%

COMMENTS: Fine grained mica - magnetite - perovskite rock fragments. 1 <1.0 mm olivine megacryst
5% grey translucent silicate as in Cross Dike F. Similar to H2SS-11 dike.

MICROPROBE RESULTS: 5262 Series

KIMBERLITIC, POTENTIAL OR RELATED: 1 magnetite, 1 melanite (andradite), 1 augite, 3 olivine (Fo 82.7 - 92.2)

NON KIMBERLITIC:

SIGNED BY:

 Nov 27, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.O.I. #1

SAMPLE NUMBER: 5262 - H2RX-3 *a pyke*

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 22.4

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 22.4 grams
TOTAL 22.4 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 22.4 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES				OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																	
PINK				Tr.																	
BROWN								3%													
BLACK			1%							5%					30%	60%					
Br. GREEN																					
Dk. GREEN																					
YELLOW									Tr.												
CLEAR									Tr.												
SILVER																					
TOTAL			1%	1%				3%	1%	5%				30%	60%						

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to perovskite lamprophyre source.

TOTAL KIMBERLITE OR RELATED MINERALS: 99%

COMMENTS: abundant fine grained mica - magnetite - perovskite rock fragments.
Similar to H2SS-11 dike.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

R. J. Dillman Nov 26/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

D. D. I. #1

SAMPLE NUMBER: 5265 "A" SOIL A'DYKE

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 33.7

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 33.7 grams
TOTAL 33.7 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 33.7 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Gr DIOP	Gr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN									Tr.												
BLACK			?								25%	?	?	10%	20%						
Br. GREEN																					
Dk. GREEN																					
YELLOW									25%												
CLEAR									1%												
SILVER																					
TOTAL			?						26%		25%	?	?	10%	20%						

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to perovskite lamprophyre source.

TOTAL KIMBERLITE OR RELATED MINERALS: 99%

COMMENTS: 20% lamprophyre/ kimberlite rock fragments consisting of fine mica - magnetite - perovskite with large macro & megacrysts of olivine, perovskite, magnetite, mica.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Nov 29/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: 5265"A" DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 30.4 SIZE FRACTION: <1.0 ->0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 30.4 grams
TOTAL 30.4 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 30.4 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA			OPAQUES						AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.	
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN																					
BLACK												2		1%							
Br. GREEN					1 g						15%										
Dk. GREEN									50%												
YELLOW									20%												
CLEAR									5%												
SILVER										10%											
TOTAL					1 g				75%	10%	15%	2 g		1%							

Tr. : Trace

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance, sample on source

TOTAL KIMBERLITE OR RELATED MINERALS: >90%

OTHER MINERALS OF INTEREST:

COMMENTS: +1.0 mm megacrysts of phlogopite-biotite & olivine in finer medium grained mica- olivine - perovskite - magnetite matrix, 0.2 mm chrome diopside inclusion in olivine megacryst

SIGNED BY:

RJD March 12/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

KIMBERLITE

D. D. I # 4

SAMPLE NUMBER: 5277 J West Soil

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 13.9

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 13.9 grams
 TOTAL 13.9 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 13.9 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				1%																		
PINK				Tr.																		
BROWN																						
BLACK																						
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				1%																		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to black amphibole - biotite lamprophyre.

TOTAL KIMBERLITE OR RELATED MINERALS: 90%

OTHER MINERALS OF INTEREST:

COMMENTS: 5% fine grained grey lamprophyre rock fragments with inclusions of biotite-phlogopite.
 Most black amphibole in composite with biotite-phlogopite. Trace clear apatite and clear zircon?
 Mica <0.5 mm
 IMMEDIATE LAMPROPHYRE SOURCE

SIGNED BY: *R. Dillman* June 11, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D. D.I. #1

SAMPLE NUMBER: H2RX-10/ F Soil F DYKE DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 9.2 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 9.2 grams
TOTAL 9.2 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 9.2 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 8

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK				Tr.																	
BROWN																					
BLACK											90%	?	?		3g						
Br. GREEN					1g																
Dk. GREEN																					
YELLOW									10g												
CLEAR																					
SILVER																					
TOTAL				Tr.	1g				10g	90%		?	?		3g						

Tr.: Trace (<1%) g: grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: 99%

COMMENTS: 90% rusty zoned black to brown mica + magnetite grains. Small pellet of chrome diopside. Oxidized reaction rims on 3 magnetite grains. Trace clear apatite?

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 3 Ca - Mg Almandine, 1 Cr diopside, 2 olivine (Fo91.9 - 92.2)
1 chromite, 1 Picrollmenite

NON KIMBERLITIC: 1 quartz,

SIGNED BY:

Robert J. Dillman Nov 27, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: H2RX-10 SOIL F' DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECIEVED: 33.7

SIZE FRACTION: <5.0 ->1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 33.7 grams
TOTAL 33.7 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 33.7 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES						AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.	
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN																					
BLACK											10%				4 g						
Br. GREEN																					
Dk. GREEN																					
YELLOW										60%										2 g	
CLEAR																					
SILVER																					
TOTAL										60%	10%	30%			4 g					2 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE: 0 distance, sample on source

TOTAL KIMBERLITE OR RELATED MINERALS: >90%

OTHER MINERALS OF INTEREST:

abundant large mica grains

COMMENTS: abundant pellet shaped megacrystic grains of olivine (mantle nodules), mostly yellow of varying clarity, abundant greenish-grey-brown "dirty" olivine megacrysts, 2 ages?, 4 black metallic megacrysts

magnetite? - chromite or picroilmenite candidates, rusty reaction rims well-preserved

PRIMITIVE KIMBERLITE OR OLIVINE LAMPROPHYRE DIKE

SIGNED BY:

RJD March 18, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: HD-26 S ?

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 2.9 SIZE FRACTION: < 0.5 millimetres

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 2.9 grams
 TOTAL 2.9 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 2.9 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES				AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE																			
LILAC																			
RED																			
ORANGE																			0.25%
PINK																			0.75%
BROWN																			
BLACK														tr.					
Br. GREEN															15 g				
Dk. GREEN																	95%		
YELLOW																			
CLEAR																			
SILVER																			
TOTAL														tr.	15 g		95%		1%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS: 0

OTHER MINERALS OF INTEREST: red oxide on 1% of black metallic opaques and amphibole.
 possibly copper related.

SIGNED BY:

Robert J. Dillman March 26, 2002

COMMENTS: abundant shapeless / anderal light green amphibole or olivine?, 1% magnetite crystals
 many as inclusions in amphibole grains, 1 pyrite with chalcocopyrite inclusion, 1% clear apatite,
 sample is unique, some black opaques could be rare earth's?
 AMPHIBOLE-OLIVINE? DIKE

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: ERX-1 SOIL 'A' DYKE

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 52.5

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

NONMAGNETIC FRACTION: 52.5 grams

TOTAL 52.5 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 52.5 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr Diop	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN																						
BLACK			1 g								95%			2 g								
Br. GREEN																						
Dk. GREEN																						
YELLOW										3 g												
CLEAR																						
SILVER																						
TOTAL			1 g							3 g	95%			2 g								

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to lamprophyre source.

TOTAL KIMBERLITE OR RELATED MINERALS: 99%

COMMENTS: coarse silvery brown zoned mica with small inclusions of magnetite and interstitial serpentine. 3 grey translucent silicates. 5 pink calcite?

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Nov 29, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

D.D.I. #5

SAMPLE NUMBER: S DIKE WEST SOIL

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 58.3 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 58.3 grams
TOTAL 58.3 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 14.3 grams DATE: MARCH 13, 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

Table with columns: COLOUR, GARNET (PYROPE, ECLOGITE, ANDRADITE, OTHER %), PYROXENE (Cr DIOPSIDE, Cr CPX, ENSTATITE, AUGITE), OLIVINE (OLIVINE), MICA (PHLOGOPITE, BIOTITE), OPAQUES (CHROMITE, Mg ILMENITE, PEROV, MAG, PYRITE, RUTILE), AMPHI. (AMPHI.), SPHENE (SPHENE), OTHER (CORUN.). Rows include PURPLE, LILAC, RED, ORANGE (20%), PINK (20%), BROWN, BLACK, Br. GREEN, Dk. GREEN (1 g), YELLOW, CLEAR, SILVER, and TOTAL (40%, 1 g, Tr., 1%, Tr., 20%, Tr., 30%).

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS: 50%

OTHER MINERALS OF INTEREST: abundant orange & pink corundum

COMMENTS: rare dike fragments of biotite "clusters", good portion of orange and pink garnet could be corundum

BIOTITE-CORUNDUM LAMPROPHYRE DIKE

SIGNED BY: [Signature] MARCH 18/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #4

SAMPLE NUMBER: J WEST

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 41 SIZE FRACTION: >1.0 millimetres

MAGNETIC FRACTION: 3.4 grams COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 37.6 grams
TOTAL 41 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 37.6 grams DATE: FEBRUARY, 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE	1 g?																		
LILAC																			
RED															1 g				
ORANGE																			
PINK																			1 g
BROWN											3 g								
BLACK												20 g					30%		
Br. GREEN																			
Dk. GREEN																			
YELLOW																			2 g
CLEAR																			
SILVER																			
TOTAL																			

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0

TOTAL KIMBERLITE OR RELATED MINERALS: 1 pyrope? + 23 grains of mica + 30% rock fragments

OTHER MINERALS OF INTEREST:

SIGNED BY:

Robert J. Dillman March 13, 2002

COMMENTS: sample contains 30% rock fragments of dike material consisting dull brownish-green fine-grained matrix with inclusions of black to brown mica. 30% qtz + black hornblende composites.

ROBERT J. DILLMAN

ARJADEE PROSPECTING

MICA LAMPROPHYRE DIKE IN QTZ-HORNBLENDE COUNTRY ROCK. DIKE SIMILAR TO DDI3-30 AREA.

D. D. I. #5

SAMPLE NUMBER: "M" DIKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 35.8

SIZE FRACTION: -1 millimetres

MAGNETIC FRACTION: 25.5 grams
NONMAGNETIC FRACTION: 10.3 grams
TOTAL 35.8 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 10.3 grams

DATE: FEB. 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES				SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	SPHENE	COR.
PURPLE																		
LILAC																		
RED																		
ORANGE																		
PINK																		0.25%
BROWN																		0.75%
BLACK									4	10%	80%			2%	3			
Br. GREEN																		
Dk. GREEN																		
YELLOW																		
CLEAR																		
SILVER																		
TOTAL																		1%

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 metres IMMEDIATE SOURCE

TOTAL KIMBERLITE OR RELATED MINERALS: 100%

OTHER MINERALS OF INTEREST:

COMMENTS: -some very clear pink corundum, no inclusions,
good quality, some 1.0 mm fragments.

-olivine is 'dirty', slightly green, possibly altered.

medium grained biotite-phlogopite-andradite-perovskite-olivine dike (possibly altered).

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #4

SAMPLE NUMBER: 5278 DIKE SOIL

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 23

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 23 grams
TOTAL 23 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 23 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																5 g						
ORANGE				15%															Tr.			
PINK				15%																		
BROWN																						
BLACK											Tr.				Tr.				35%			
Br. GREEN																						
Dk. GREEN								7 g												25%		
YELLOW																					Tr.	
CLEAR																						
SILVER																						
TOTAL				30%				7 g			Tr.				Tr.	5 g			60%	Tr.		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES?

DISTANCE ESTIMATE: enstatite, pyrite, mica and sphene source(s) close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: large flakes and 'cluster' grains of zoned mica. Enstatite and red-tarnished pyrite cubes similar to DDI-3 area.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Nov 24, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1

SAMPLE NUMBER: CROSS DIKE F

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 27.3

SIZE FRACTION: <2.0 - 1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 27.3 grams
TOTAL 27.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 27.3 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK				2 g																		?
BROWN																						
BLACK																						
Br. GREEN																						
Dk. GREEN																						
YELLOW									2 g													
CLEAR																						
SILVER																						
TOTAL				2 g					2 g													?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to lamprophyre source

TOTAL KIMBERLITE OR RELATED MINERALS: 95%

COMMENTS: large zoned mica with fine magnetite inclusions. 5 unknown grey translucent silicates possibly K feldspar.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Nov 19, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

D.D.I. # 1

SAMPLE NUMBER: CROSS DIKE F

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 9.1

SIZE FRACTION: <2.0 - 1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 9.1 grams
TOTAL 9.1 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 9.1 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 9

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				1 g																		
ORANGE				4 g																		
PINK				5%																		?
BROWN											90%											
BLACK								1 g				1 g			Tr.		3 g					
Br. GREEN																						
Dk. GREEN						3 g																
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				5%		3 g		1 g			90%	1 g			Tr.		3 g					?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to lamprophyre source

TOTAL KIMBERLITE OR RELATED MINERALS: 95%

COMMENTS: zoned brown to golden brown mica with inclusions of fine magnetite and possibly perovskite. 1 pellet-shaped chromite?
Large fragments of black euhedral clinopyroxene crystals. Garnets may be from wallrock some potential corundum.
Large clear grains of apatite or quartz.

MICROPROBE RESULTS: CDF Series

KIMBERLITIC, POTENTIAL OR RELATED: 4 Ca-Mg almandine, 2 Augite

NON KIMBERLITIC: 2 quartz, 1 ilmenite

SIGNED BY:

ROBERT J. DILLMAN
ARJADEE PROSPECTING

Nov 10, 2001

SAMPLE NUMBER: DDI - 1 - 1

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 37.9

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 37.9 grams
TOTAL 37.9 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 37.9 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					5 g	
LILAC																						
RED																					Tr.	
ORANGE				15%																	1%	1 g
PINK				25%																		
BROWN																						
BLACK															3%		Tr.					
Br. GREEN																						
Dk. GREEN								2 g														
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				40%				2 g							3%		Tr.		1%	Tr	1 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: red zircon source close to site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: some red zircon could be almandine garnet. Several subhedral zircon crystals.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-1-2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 29

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 29 grams
TOTAL 29 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 29 grams

DATE: MAY 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE			
PURPLE																					2 g	
LILAC																						
RED																						
ORANGE				40%																	30%	
PINK				20%																		
BROWN																						
BLACK															Tr.		1%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				60%											Tr.		1%	Tr.	30%		2 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to sphene-graphite-sillimanite source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: many orange sphene with inclusions of fine graphite. 10% clear & clear yellow sillimanite?, many are fragments of euhedral & subhedral crystals.

SIGNED BY: *RJD Dillman* MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 43.5

SIZE FRACTION: <5.0 - >1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 43.5 grams
TOTAL 43.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 43.5 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																	
PINK				3 g																	
BROWN																					
BLACK															Tr.			10%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL																					

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to graphite source

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 95% of grains have rust coated surfaces

COMMENTS: 90% grains have graphite inclusions, quartz-amphibole-graphite composites, several +5.0 mm orange garnet fragments. Recommended ICP scan.

SIGNED BY: *[Signature]* March 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

GRAPHITE ZONE

SAMPLE NUMBER: DDI -1 - 3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 55.8

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 55.8 grams
 TOTAL 55.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 55.8 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																					2 g	
LILAC																						
RED				Tr.																	Tr.	
ORANGE				40%																	5%	
PINK				50%																		?
BROWN											4 g										16 g	
BLACK															Tr.				Tr.			
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%							4 g				Tr.			Tr.	5%	Tr.	?	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to purple-brown zircon source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: most purple brown zircon are euhedral to subhedral shaped crystals. Trace pink almandine some could be corundum.
 2 biotite in composite with orange sphene.

SIGNED BY:

RJD June 11, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 4

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 47.9

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 47.9 grams
TOTAL 47.9 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 47.9 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE			
PURPLE																					3 g	
LILAC																						
RED																						
ORANGE				15%																1%		
PINK				80%																		5 g
BROWN																						
BLACK												1 g		?	2%		1%					
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%								1 g			2%		1%		1%	3 g	5 g	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES?

DISTANCE ESTIMATE: source close for rutile - sphene - zircon - orange garnet

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: euhedral to subhedral crystals of rutile - sphene - zircon - orange garnet.

SIGNED BY:

Robert J. Dillman Apr. 15/02

COMMENTS: 1 well preserved octahedral crystal of chromite? or perovskite, potential grains of pink corundum.

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Potential lamprophyric minerals, no mica.

SAMPLE NUMBER: DDI-1-5

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 22.5

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 22.5 grams
TOTAL 22.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 22.5 grams

DATE: MAY 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					2 g
LILAC																					
RED				Tr.																	
ORANGE				35%																	5%
PINK				20%																	
BROWN																					10%
BLACK											1 g				15%	1%					15%
Br. GREEN																					
Dk. GREEN																					
YELLOW																					Tr.
CLEAR																					
SILVER																					
TOTAL				55%							1 g				15%	1%					25%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS: 1 g

OTHER MINERALS OF INTEREST:

COMMENTS: many orange sphene and black and brown amphibole have inclusions of fine graphite.
Large biotite grain could be from a lamprophyre or kimberlite source.

SIGNED BY:

Robert J. Dillman MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 6

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 33

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 33 grams
TOTAL 33 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 33 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE			
PURPLE																					6 g	
LILAC																						
RED				5 g																		
ORANGE				15%																Tr.		
PINK				80%																	2 g	
BROWN																						
BLACK															3%		1%					
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				>95%											3%		1%		Tr.		8 g	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: source close for rutile - sphene - zircon - orange garnet

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: most purple zircon are euhedral-subhedral well preserved crystals.
some rutile are subhedral crystals.

SIGNED BY:

Robert J. Dillman Apr 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 7

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 67.8

SIZE FRACTION: < 1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 67.8 grams
TOTAL 67.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 67.8 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE			
PURPLE																					1 g	
LILAC																						
RED																						
ORANGE				60%																	10%	
PINK				25%																		
BROWN											1 g					?					3 g	
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN							1 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%			1 g				1 g				Tr.	?	Tr.	Tr.	10%	1 g		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: biotite and enstatite could be from a lamprophyre. Several rusty unidentifiable grains, several could be pyrite.

SIGNED BY:

Robert J. Dillman June 10, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 8

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 46.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 46.7 grams
TOTAL 46.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 46.7 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					1 g
LILAC																					
RED																					2 g
ORANGE				30%																	5 %
PINK				60%																	
BROWN																					
BLACK											3 g				Tr.		Tr.	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%							3 g				Tr.		Tr.	Tr.	5%	3 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE: graphite source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 80% of grains with moderate clay coating

COMMENTS: 1 biotite "cluster" grain. 2 biotite in composite with feldspar and quartz (metamorphic).
5% white feldspar? many with inclusions of graphite.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 9

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 138

SIZE FRACTION: < 1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 138 grams
TOTAL 138 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 81.2 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					Tr.	
LLAC																						
RED																						
ORANGE				35%																	Tr.	
PINK				60%																		
BROWN											3 g											
BLACK															Tr.		1%	Tr.				
Br. GREEN																						
Dk. GREEN						3 g	5 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%		3 g	5 g				3 g				Tr.		1%	Tr.	Tr.	Tr.		

Tr. : Trace (<1%) g : grains


KIMBERLITE OR RELATED MINERALS: ?

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 2 orange-red unknown silicates.

COMMENTS: Cr clinopyroxene <0.3 mm. Most zircon as euhedral and subhedral shaped crystals.

DISTANCE ESTIMATE: 0 distance to purple zircon source, potential enstatite source in area.

SIGNED BY:  June 2, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 10

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 55.4

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 55.4 grams
 TOTAL 55.4 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 55.4 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER		ZIR	CORUN.		
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTI	PEROV	MAG	PYRITE	RUTILE	AMPHL.			SPHENE	
PURPLE																					2 g	
LILAC																						
RED				?																		15 g
ORANGE				15%																Tr.		
PINK				80%																		
BROWN																						
BLACK																						
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%																		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: ?


DISTANCE ESTIMATE: black biotite source in area.

TOTAL KIMBERLITE OR RELATED MINERALS: 12 g

OTHER MINERALS OF INTEREST:

COMMENTS: mica as "cluster" grains, most <0.5 mm. 1% dark orange-red almandine.

SIGNED BY:



June 2, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 11

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 155.4

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 155.4 grams
TOTAL 155.4 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 75.5 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTI	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																					3 g	
LILAC																						
RED																	3 g					
ORANGE				30%																5%		
PINK				60%																	2 g	
BROWN																			Tr.			
BLACK											Tr.				Tr.		1%	2%				
Br. GREEN																						
Dk. GREEN							3 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%			3 g				Tr.				Tr.		Tr.	2%	5%	5 g		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: black biotite source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Trace rusty silicates and unidentifiable grains. Some biotite in composite with black amphibole, orange garnet, orange sphene, and quartz. Biotite could be metamorphic sourced.

SIGNED BY:

Robert J. Dillman June 8, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 13

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 113

SIZE FRACTION: <5.0 - 1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 113 grams
TOTAL 113 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 113 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				20%																		
PINK				30%																		
BROWN											7g											
BLACK																			Tr.			
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				50%							7g											Tr.

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: large biotite flakes could be from lamprophyric source. 50% quartz-feldspar composites, some with mica, rutile and orange garnet inclusions.

SIGNED BY:

Robert J. Dillman June 2, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 13

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 67.3

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 67.3 grams
 TOTAL 67.3 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 67.3 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				35%																	Tr.	
PINK				60%																		
BROWN																					Tr.	
BLACK															Tr.		1%	1%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											Tr.		1%	1%		Tr.		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to yellow-brown amphibole? and rutile source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Trace yellow-brown amphibole? , anhedral "cluster" grains with inclusions of fine brown mica
 30% of rutile are fragments of well-preserved subhedral crystals.

SIGNED BY:  June 1, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 2 - 1

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 17.4

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 17.4 grams
TOTAL 17.4 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 17.4 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				35%																		
PINK				40%																		
BROWN																						
BLACK															3 g					20%		
Br. GREEN																						
Dk. GREEN							3 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				75%			3 g								3 g					20%		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: several black magnetic opaques could be chromite or Mg-ilmenite.

COMMENTS:

SIGNED BY:

RJD March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

NO OBVIOUS KIMBERLITE INDICATOR MINERALS

SAMPLE NUMBER: DDI - 2 - 2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 67.7

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 67.7 grams
TOTAL 67.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 67.7 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				5%																		
PINK				80%																		
BROWN																						2 g
BLACK											2 g								1%			
Br. GREEN															1%		Tr.	10%				
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%							2 g				1%		Tr.	11%				2 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: No?

DISTANCE ESTIMATE: site proximal to biotite-amphibole composites

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: several small translucent orange crystals

COMMENTS: 5% very fine-grained biotite-amphibole composites, several with quartz and pink garnet: probable metamorphic source. 2 coarse biotite clusters: lamprophyric source?

SIGNED BY:

Robert J. Dillman March 20/0

ROBERT J. DILLMAN

ARJADEE PROSPECTING

POTENTIAL LAMPROPHYRIC GRAINS IN SAMPLE

O. D. I. # 3

SAMPLE NUMBER: H-DIKE ROCK SAMPLE DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 0 grams
 TOTAL 0 grams

COARSE OR FINER FRACTION AVAILABLE?:
 PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0 grams DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 13

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																5%	
PINK				95%																	
BROWN																					
BLACK																	3 g				
Br. GREEN																					
Dr. GREEN						3 g													Tr.		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%	69	3 g											3 g	Tr.	5%		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES


DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: fined grained mica-olivine matrix with 5 x 3 cm olivine nodule. 7 grains of Cr diopside in olivine nodule. Nodule also contains very small shapeless clots of malachite-azurite?

MICROPROBE RESULTS: HD series photograph
 KIMBERLITIC, POTENTIAL OR RELATED: 6 Cr diopside, 3 olivine (Fo 91.6 - 91.9)

NON KIMBERLITIC: 4 Cu (S) chloride

SIGNED BY:  No 021, 200
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

D.D.I. #3

SAMPLE NUMBER: H-DIKE-2

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 77.5

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 77.5 grams
TOTAL 77.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 77.5 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 7

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																	
PINK				Tr.																	
BROWN																					
BLACK										40%	40%	?	?	?	5%						
Br. GREEN																					
Dk. GREEN							4 g	?													
YELLOW									10%											Tr.	
CLEAR																					
SILVER																					
TOTAL				1%			4 g	?	10%	40%	40%	?	?	?	5%					Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: fined grained mica-olivine-clinopyroxene kimberlitic rock fragments with phenocrysts of mica and olivine magnetic, fine opaques, possible fine perovskite.

MICROPROBE RESULTS: HD-2 series

KIMBERLITIC, POTENTIAL OR RELATED: 1 perovskite, 4 orthopyroxene (enstatite), 2 olivine (Fo 91.8 - 92.0)

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Nov 19, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

D.O.I. 3

SAMPLE NUMBER: K-DIKE-1

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 23.2

SIZE FRACTION: <2.0 - 1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 23.2 grams
TOTAL 23.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 23.2 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK				2 g																	
BROWN									1%												
BLACK								3 g		90%		?	?	?	5%						
Br. GREEN																					
Dk. GREEN																					
YELLOW									1%											Tr.	
CLEAR																					
SILVER																					
TOTAL				2 g				3 g	2%	90%		?	?	?	5%					Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source

TOTAL KIMBERLITE OR RELATED MINERALS: 95%

COMMENTS: 3-5% unidentifiable pellet-shaped grains with grey rind. Yellow and brown olivine pellet macrocrysts. Euhedral black cpx. Magnetic kimberlite rock fragments.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



Nov 9, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. 3

SAMPLE NUMBER: K-DIKE-2

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 13.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 13.7 grams
TOTAL 13.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 13.7 grams

DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				10%																	?
PINK				15%																	?
BROWN																					
BLACK			?								5%		?	?	5%	25%					
Br. GREEN																					
Dk. GREEN																					
YELLOW									10%												5%
CLEAR																					
SILVER																					
TOTAL			?	25%					10%	5%		?	?	5%	25%					5%	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source

TOTAL KIMBERLITE OR RELATED MINERALS: 70%

COMMENTS: 25% clear apatite, some could be olivine. Some pink and orange garnet could be corundum. Garnet possible from country rocks. Abundant magnetite and perovskite. Possible small andradite garnet. Reaction rinds on some opaques.

MICROPROBE RESULTS:

Photograph

SIGNED BY:

Robert J. Dillman Nov 15, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

D.O.I #3

SAMPLE NUMBER: 5291 CHAMPAGNE DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 14.8 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 14.8 grams
 TOTAL 14.8 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 14.8 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE																			
LILAC																			
RED																			
ORANGE																			tr.
PINK																			tr.
BROWN											60%								
BLACK														5% ?					
Br. GREEN																			
Dk. GREEN																			
YELLOW																			
CLEAR									1%										
SILVER																			
TOTAL									1%		60%			5% ?					

tr. : Trace

g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE: 0 distance, sample on source

TOTAL KIMBERLITE OR RELATED MINERALS: >90%

OTHER MINERALS OF INTEREST:

COMMENTS: 5% clear apatite, 5% fine octahedrons of magnetite some could be perovskite,
 5% interstitial calcite, 10% dull green cpx coarse mica in fine matrix of
 calcite-olivine-apatite-magnetite.

SIGNED BY:



ROBERT J. DILLMAN

ARJADEE PROSPECTING

MEDIUM GRAINED MICA-APATITE-CALCITE-MAGNETITE-PEROVSKITE LAMPROPHYRE DIKE

D.D.I # 3

SAMPLE NUMBER: 5291 ROCK SAMPLE
CHAMPAGNE DYKE

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 0 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK				Tr.																?	
BROWN																					
BLACK										80%					5%						
Br. GREEN																					
Dk. GREEN								?										1%			
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				Tr.				?		80%					5%			1%		?	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: fine-grained lamprophyre

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: fine-grained lamprophyre rock fragments of mica and interstitial light green serpentine or amphibole - calcite - apatite - magnetite.
Abundant megacryst of brown biotite. Occasional pink garnet or pink zircon. 5% clear apatite. Several small fragments of clear olivine.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Oct 22, 01

D. D. I #3

SAMPLE NUMBER: 5292 ROCK SAMPLE
CHAMPAGNE DYKE

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 0 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK				Tr.																?		
BROWN																5%						
BLACK											80%				5%							
Br. GREEN																						
Dk. GREEN																		1%				
YELLOW									3 g													
CLEAR																						
SILVER																						
TOTAL				Tr.					3 g		80%				5%	5%		1%		?		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: fine-grained lamprophyre

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: fine-grained lamprophyre rock fragments of mica and interstitial light green serpentine or amphibole - calcite - apatite - magnetite.

Rare megacryst of pink garnet, clear apatite, yellow olivine and mica. Abundant pyrite cubes, many crusted by calcite.

Similar calcite crusting magnetite. 1 very small azurite grain possible Cu(S) chloride.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Nov 23, 2001

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

D.D.I # 3

SAMPLE NUMBER: 5293 ROCK SAMPLE DATE OF SUBMISSION: NOVEMBER 2001

TRIANGLE PIPE CHAMPAGNE COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: NO
 NONMAGNETIC FRACTION: 0 grams
 TOTAL 0 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0 grams DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK				Tr.																	1%
BROWN																					
BLACK											80%				5%						
Br. GREEN																					
Dk. GREEN																			2%		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				Tr.							80%				5%				2%		1%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: fine-grained lamprophyre

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: fine-grained lamprophyre rock fragments of mica and interstitial light green serpentine or amphibole - calcite - apatite - magnetite.

Slight increase of megacrysts of pink garnet, clear apatite, yellow olivine and mica.

1 malachite grain.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Oct 29, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. # 3

SAMPLE NUMBER: 5294 ROCK SAMPLE DATE OF SUBMISSION: NOVEMBER 2001

CHAMPAGNE PIPE

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 0 grams
COARSE OR FINER FRACTION AVAILABLE?: NO
PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0 grams DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK				Tr.																Tr.	
BROWN																					
BLACK											80%				5%		Tr.				
Br. GREEN																					
Dk. GREEN																		Tr.			
YELLOW									Tr.												
CLEAR																					
SILVER																					
TOTAL				Tr.					Tr.		80%				5%		Tr.	Tr.		Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: fine-grained lamprophyre

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: very fine-grained lamprophyre rock fragments of mica and interstitial light green serpentine or amphibole - calcite - apatite - magnetite.
Occasional shapeless clots of serpentine. Several large fragments of yellow olivine, black rutile and brown mica.
5% apatite some as fragments of subhedral crystals.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

RJ Dillman Oct 29, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. # 3

SAMPLE NUMBER: 52947 ROCK SAMPLE DATE OF SUBMISSION: NOVEMBER 2001
CHAMPAGNE PIPE

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: NO
 NONMAGNETIC FRACTION: 0 grams
 TOTAL 0 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 63 grams DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: OCTOBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																Tr.						
ORANGE																						
PINK				Tr.																	Tr.	
BROWN																						
BLACK											80%				5%		Tr.					
Br. GREEN																						
Dk. GREEN																		Tr.				
YELLOW									Tr.							1 g						
CLEAR																						
SILVER																						
TOTAL				Tr.					Tr.		80%				5%	Tr.	Tr.	Tr.			Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: fine-grained lamprophyre

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: very fine-grained lamprophyre rock fragments of mica and interstitial light green serpentine or amphibole - calcite - apatite - magnetite.
 35% of rock is megacrysts of brown biotite-phlogopite. Megacrysts include apatite, yellow and clear olivine
 sphene, amphibole. 1 octahedral crystal of chromite. 1 microilmenite pellet. 2 orange REE?

MICROPROBE RESULTS: 5294 Series

KIMBERLITIC, POTENTIAL OR RELATED: 12 apatite, 4 chromite, 16 Mg ilmenite, 4 Na clinopyroxene, 12 Ca-Mg almandine

SIGNED BY:


 ROBERT J. DILLMAN
 ARJADEE PROSPECTING
 Oct 29, 2001

NON KIMBERLITIC: 2 pyrite, 1 grossular-almandine, 8 sphene, 2 amphibole, 1 chalcopyrite, 1 quartz, 1 Mn ilmenite + phlogopite

D.D.I. # 3

SAMPLE NUMBER: 5295 CHAMPAGNE DYKE DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1.3 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: NO
NONMAGNETIC FRACTION: 1.3 grams
TOTAL 1.3 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 1.3 grams DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

Table with columns for mineral groups (GARNET, PYROXENE, OLIVINE, MICA, OPAQUES, OTHER) and rows for colors (PURPLE, LILAC, RED, ORANGE, PINK, BROWN, BLACK, Br. GREEN, Dk. GREEN, YELLOW, CLEAR, SILVER, TOTAL). Includes percentage values like 'Tr.', '1%', '5%'.

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: lamprophyre source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: large zoned phlogopite and apatite. 1% apatite. 80% fine-grained lamprophyre rock fragments of mica and light green serpentine?.

SIGNED BY:

Handwritten signature of Robert J. Dillman and date Nov 27, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

D.D.I. #3

SAMPLE NUMBER: PF-2 CHAMPAGNE DYKE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 36.7

SIZE FRACTION: -5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 36.7 grams
TOTAL 36.7 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 36.7 grams

DATE: FEB. 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES				SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	SPHENE	COR.
PURPLE																		
LILAC																		
RED																		
ORANGE																		13
PINK																		
BROWN									2	10%	85%							
BLACK																		
Br. GREEN																		
Dk. GREEN																		
YELLOW																		
CLEAR																		
SILVER																		
TOTAL									2	10	85%							13

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0

TOTAL KIMBERLITE OR RELATED MINERALS: 100%

OTHER MINERALS OF INTEREST:

COMMENTS: coars phlogopite-biotite in fine serpentized-magnetite matrix.
-some corundum could be orange eclogite garnet.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

COARSE GRAINED BIOTITE-PHLOGOPITE DIKE

SAMPLE NUMBER: TRIANGLE PIPE
CHAMPAGNE COMPLEX
 CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

DATE OF SUBMISSION: SEPTEMBER 2001

TOTAL CONCENTRATE RECEIVED: 28.9 SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: NO
 NONMAGNETIC FRACTION: 28.9 grams
 TOTAL 28.9 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 28.9 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE																				
LILAC																				
RED		0.75%																		
ORANGE		0.25%																		
PINK																				
BROWN																				
BLACK																				
Br. GREEN								1 g												
Dk. GREEN									89%											
YELLOW									1%											<1%
CLEAR																				
SILVER										5%										
TOTAL		1%						1 g	90%	5%										<1%

Tr. : Trace g : grains

KIMBERLITE OR RELATED MINERALS: Yes

DISTANCE ESTIMATE: 0 distance, sample on source

TOTAL KIMBERLITE OR RELATED MINERALS: >90%

OTHER MINERALS OF INTEREST:

COMMENTS: coarse broken grains of red eclogite garnet with black inclusions, some in composite with black metallic mineral: rutile? 1 very small chrome cpx or enstaite fragment, very fine opaques most magnetite, dirty green olivine matrix, rare yellow olivine fragments FINE GRAINED OLIVINE-PHLOGOPITE DIKE WITH ECLOGITE GARNET

SIGNED BY: *Robert J. Dillman* MARCH 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D. D. I. #3

SAMPLE NUMBER: DD3-SOUTH PIPE DATE OF SUBMISSION: NOVEMBER 2001

CHAMPAGNE COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0 SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: NO
NONMAGNETIC FRACTION: 0 grams
TOTAL 0 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0 grams DATE: NOVEMBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 16

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: NOVEMBER 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN																					
BLACK																					
Br. GREEN					5%																
Dk. GREEN																					
YELLOW									45%												
CLEAR									50%												
SILVER																					
TOTAL					5%				95%												

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to source kimberlite-olivine nodule

TOTAL KIMBERLITE OR RELATED MINERALS: 99%

COMMENTS: kimberlite rock fragment with 3 x +1 cm olivine nodule. Nodule contains 0.4 mm intergrowth of chrome diopside. Sample crushed.

MICROPROBE RESULTS: 3 S.P. Series Photographs
KIMBERLITIC, POTENTIAL OR RELATED: 10 olivine, 1 orthopyroxene, 5 Cr diopside

NON KIMBERLITIC:

SIGNED BY:

R. Dillman Nov 30, 2001
ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 16 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
Complex

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 8.2 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 8.2 grams
 TOTAL 8.2 grams

COARSE OR FINER FRACTION AVAILABLE?:
 PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 8.2 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr Diop	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																1%					
ORANGE				30%																	5%?
PINK				35%																	5%?
BROWN														1%	5%						
BLACK								Tr.		Tr.	Tr.						Tr.	Tr.			
Br. GREEN					4 g	1 g															
Dk. GREEN							3 g														
YELLOW									Tr.											1%	
CLEAR																					
SILVER																					
TOTAL				65%	4 g	1 g	3 g	Tr.	Tr.	Tr.	Tr.			1%	5%	1%	Tr.	Tr.	1%		10%?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

TOTAL KIMBERLITE OR RELATED MINERALS: 40%

DISTANCE ESTIMATE: source of chrome diopside close to sample site.

OTHER MINERALS OF INTEREST: abundant minerals in good euhedral crystal form: pyrite, sphene
 apatite, quartz? enstatite, augite.

COMMENTS: 4 pellet-shaped chrome diopside have partially preserved calcite rims on grain surfaces
 suggesting source is close to sample site. Source close for all euhedral crystals.

SIGNED BY:  March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

KIMBERLITE CLOSE TO SAMPLE SITE.

SAMPLE NUMBER: DDI-3-16 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 48.9 SIZE FRACTION: 2.0 to 0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: ?
 NONMAGNETIC FRACTION: 48.9 grams
 TOTAL 48.9 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 48.9 grams DATE: MAY 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																				?		
ORANGE		3 g		7 g ?																		
PINK				Tr.																	?	
BROWN									30%											Tr.		
BLACK										40%				Tr.	3 g							
Br. GREEN					2 g																	
Dk. GREEN							4 g															
YELLOW									3 g												1 g	
CLEAR																						
SILVER																						
TOTAL				7 g ?	2 g		4 g		30%	40%				Tr.	3 g				Tr.	1 g	?	?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: <80%

OTHER MINERALS OF INTEREST: 2 large Cr diopside (1.5 mm, 0.7 mm)

COMMENTS: abundant large macrocrysts of "dirty" greenish-brown olivine some altered to serpentine, red almandine could be red zircon, 2 pink almandine or corundum in actinolite (eclogite fragment?), macrocrysts of olivine, phlogopite, Cr diopside, enstatite, garnet.
 KIMBERLITE, weakly altered

SIGNED BY:

Robert J. Dillman May 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 24

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 13.8

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 13.8 grams
TOTAL 13.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 13.8 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr Diop	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																					Tr.	
ORANGE				30%																		
PINK				40%																	5 g	
BROWN																						
BLACK																			30%			
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				70%															30%		Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: thick clay coating most grains.

SIGNED BY:

Robert J. Dillman Apr 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 25

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 50.3

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 50.3 grams
TOTAL 50.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 50.3 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																					4 g	
LMAC																						
RED																						
ORANGE				25%																		
PINK				50%																		
BROWN																					Tr.	
BLACK															4 g						20%	
Br. GREEN																						
Dk. GREEN						4 g	?														Tr.	
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				75%		4 g	?								4 g						21%	4 g

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to black amphibole source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: rusty coating on 5% of grains.

COMMENTS: occasional pink almandine - biotite - quartz composites (metamorphic)
Trace dark amphibole -biotite composite. Most black amphibole as subhedral or anhedral crystals, some twinned.

SIGNED BY: *RJD* June 7, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 26

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 23.1

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 23.1 grams
TOTAL 23.1 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 23.1 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				20%																	
PINK				25%																	1 g?
BROWN																					5%
BLACK															Tr.						15%
Br. GREEN																					
Dk. GREEN								1 g													
YELLOW																					
CLEAR																					Tr.
SILVER																					
TOTAL				45%				1 g							Tr.					20%	Tr. 1 g?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: 0 distance to brown amphibole + quartz + white feldspar source

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: thick clay on most grains.

COMMENTS: coarse - fres brown amphibole and white feldspar composites could be from a pegmatite dike.

Potential pegmatite close to site.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 27

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 27

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 27 grams
TOTAL 27 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 27 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					2 g
LILAC																					
RED				Tr.																	?
ORANGE				10%																	
PINK				20%																	
BROWN																		Tr.			Tr.
BLACK											60%				1 g		Tr.	Tr.			
Br. GREEN																					
Dr. GREEN						8 g													?		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				30%		8 g					60%				1 g		Tr.	1%			Tr.

Tr. : Trace (<1%) g : grains

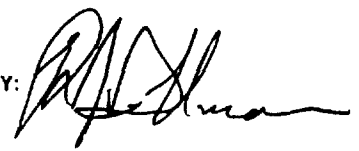
KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: 0 distance to black biotite & brown zircon source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: moderate thick clay coating on 90% of grains.

COMMENTS: red almandine could be zircon, source close. Most biotite in composite with quartz.
Most Cr clinopyroxene are very small and could be amphibole.

SIGNED BY:  June 2, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 28

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 38.9

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 38.9 grams
TOTAL 38.9 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 38.9 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				35%																	?
ORANGE				15%																	
PINK				40%																	
BROWN																					
BLACK											2 g	?	?		1%		1%	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%							2 g	?	?		1%		1%	Tr.		?	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: source of red garnet/ zircon close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: weak clay coating on 95% of grains

COMMENTS: several black metallic grains in composite with yellowish white feldspar.
1 biotite in composite with quartz.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 29

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 61 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 61 grams
TOTAL 61 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 61 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					5 g	
LILAC																						
RED				Tr.																	?	
ORANGE				30%															Tr.			
PINK				60%																		
BROWN											7 g					4 g						
BLACK													?		Tr.			Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																				?		
CLEAR																						
SILVER																						
TOTAL				90%							7 g				Tr.	4 g		Tr.	Tr.		5 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: pyrite source close to sample site.
Biotite source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: biotite and pyrite cubes similar to "pipes" in area.
Trace black amphibole in composite with rusty white feld Idspar

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-3-30 CHAMPAGNE
Complex

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 79.2 SIZE FRACTION: <5.0 - >1.0 millimetres

MAGNETIC FRACTION: 44.4 grams
NONMAGNETIC FRACTION: 34.8 grams
TOTAL 79.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 34.8 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE																			
LILAC																			
RED		1 g																	1 g
ORANGE				0.50%															0.50%
PINK				0.50%															0.50%
BROWN											7 g								
BLACK													10%						
Br. GREEN					1 g														
Dk. GREEN							25 g												
YELLOW																			2%
CLEAR																			
SILVER																			
TOTAL		1 g		1%			25 g				7 g		10%					2%	1%

Tr. : Trace

g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE: source proximal

TOTAL KIMBERLITE OR RELATED MINERALS: 10%

OTHER MINERALS OF INTEREST: abundant minerals in good crystal form:
magnetite, ilmenite, apatite, sphene, enstatite

SIGNED BY:

COMMENTS: abundant mica-magnetite rock fragments, many +5.0 mm megacrystic grains
sphene-Cr diopside-apatite-magnetite-biotite, mineralogy similar to pipes in area.

Robert J. Dillman

MARCH 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE CONTAINS KIMBERLITIC CHROME DIOPSIDE

SAMPLE NUMBER: DDI - 3 - 30 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
'A' COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 16.9 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 16.9 grams
 TOTAL 16.9 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 16.9 grams

DATE: November 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 13

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: November 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CFX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LIAC																						
RED				Tr.												15 g						
ORANGE		2 g		Tr.																		
PINK				Tr.																		
BROWN											7 g											
BLACK											2 g	?	5%		5%							
Br. GREEN					3 g																	
Dk. GREEN							5 g															
YELLOW																					10%	
CLEAR																						
SILVER																						
TOTAL		2 g		1%	3 g		5 g				9 g	?	5%		5%	15 g				10%		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: 90%

COMMENTS: pellet-shaped Cr diopside, euhedral crystals and fragments of: pyrite, sphene, mica
 +1.0 mm biotite-phlogopite megacrysts. Clear grains of apatite and quartz. 1 red REE? Abundant ilmenite?
 numerous kimberlitic rock fragments: fine grained material with large mica, magnetic.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 5 Ca-Mg almandine, 4 Cr diopside, 1 Augite, 1 chromite

NON KIMBERLITIC: 1 quartz, 1 sphene

SIGNED BY:

Robert J. Dillman NOV 20, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-3-30 CHAMPAGNE
'B' Complex

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 79.2 SIZE FRACTION: <5.0 - >1.0 millimetres

MAGNETIC FRACTION: 44.4 grams
 NONMAGNETIC FRACTION: 34.8 grams
 TOTAL 79.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 34.8 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES				AMPHI.	SPHENE	OTHER	
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.	
PURPLE																				
LILAC																				
RED		1 g																	1 g	
ORANGE				0.50%															0.50%	
PINK				0.50%															0.50%	
BROWN											7 g									
BLACK													10%							
Br. GREEN					1 g															
Dk. GREEN							25 g													
YELLOW																			2%	
CLEAR																				
SILVER																				
TOTAL		1 g		1%			25 g				7 g		10%						2%	1%

Tr. : Trace

g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE: source proximal

TOTAL KIMBERLITE OR RELATED MINERALS: 10%

OTHER MINERALS OF INTEREST: abundant minerals in good crystal form:
 magnetite, ilmenite, apatite, sphene, enstatite

SIGNED BY:

COMMENTS: abundant mica-magnetite rock fragments, many +5.0 mm megacrystic grains
 sphene-Cr diopside-apatite-magnetite-biotite, mineralogy similar to pipes in area.



MARCH 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE CONTAINS KIMBERLITIC CHROME DIOPSIDE

SAMPLE NUMBER: DDI-3-31 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
CLOMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 62.1 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 62.1 grams
 TOTAL 62.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 62.1 grams

DATE: November 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																5 g						
ORANGE				Tr.																	Tr.?	
PINK				5%																	Tr.?	
BROWN																						
BLACK											60%	?	?		30%							
Br. GREEN																						
Dk. GREEN							5 g															
YELLOW																					5%	
CLEAR																						
SILVER																						
TOTAL				5%			5 g				60%	?	?		30%	5 g				5%	Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: 80%

COMMENTS: abundant fine silvery-black mica + magnetite composites, strong magnetics. Euhedral crystals and fragments of sphene, enstatite, pyrite, mica, subhedral magnetite. trace clear apatite.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Nov 20, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 32 *CHAMPAGNE* DATE OF SUBMISSION: SEPTEMBER 2001
COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 18.6 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 18.6 grams
 TOTAL 18.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 18.6 grams

DATE: November 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 9

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: November 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				2 g												17 g					
ORANGE		?		Tr.																	
PINK				1%																	
BROWN																					
BLACK								3 g			90%	?	?		5%			1%			
Br. GREEN					3 g																
Dk. GREEN							4 g														
YELLOW																					Tr.
CLEAR																					
SILVER																					
TOTAL		?		1%	3 g		4 g	3 g			90%	?	?		5%	17 g		1%	Tr.		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: 95%

COMMENTS: fine silvery-black mica + magnetite + black amphibole composites, strong magnetics. Euhedral crystals and fragments of sphene, pyrite, mica, black clinopyroxene, small black amphibole. Trace clear apatite.
 1 partially preserved pellet of Cr diopside.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 2 Ca-Mg almandine, 2 augite, 2 Cr diopside

NON KIMBERLITIC: 1 spessartine-almandine, 2 sphene

SIGNED BY:

RJD Nov 21, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-3-33 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 24.5 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 24.5 grams
 TOTAL 24.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 24.5 grams

DATE: November 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 10

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: November 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																3 g						
ORANGE		?		Tr.																		
PINK				Tr.																		
BROWN																						
BLACK											90%	?	?		5%							
Br. GREEN					1 g																	
Dk. GREEN							3 g															
YELLOW																					Tr.	
CLEAR																						
SILVER																						
TOTAL		?		1%	1 g		3 g				90%	?	?		5%	3 g				Tr.		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: 95%

COMMENTS: fine grained silvery-black mica + magnetite rock fragments, strong magnetics. Euhedral crystals and fragments of sphene, pyrite, mica. 5% clear apatite, abundant fragments of euhedral long rod-like crystals. 1 Cr diopside.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 6 Ca-Mg almandine, 1 Cr diopside

NON KIMBERLITIC: 1 apatite, 1 sphene, 1 lithic fragment

SIGNED BY:



Nov 14, 01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 34 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3.2 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 3.2 grams
 TOTAL 3.2 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 3.2 grams

DATE: November 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 8

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: November 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																3 g						
ORANGE		?		Tr.																		
PINK				Tr.																		
BROWN																						
BLACK											3 g	?	?		Tr.							
Br. GREEN					2 g																	
Dk. GREEN							1 g															
YELLOW																						Tr.
CLEAR																						
SILVER																						
TOTAL		?		1%	2 g		1 g				3 g	?	?	Tr.	3 g						Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: 95%


COMMENTS: mostly fine grained rock fragments of kimberlitic material. 1-2% clear apatite.
 2 Cr diopside 1 grain with preserved white siliceous rind.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 6 Ca-Mg almandine, 1 Cr diopside

NON KIMBERLITIC: 1 ilmenite

SIGNED BY:



ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 35 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 32.9 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 17.5 grams COARSE OR FINER FRACTION AVAILABLE?: YES
 NONMAGNETIC FRACTION: 15.4 grams
 TOTAL 32.9 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 22 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																				5 g	
LILAC																					
RED																5%					
ORANGE		10%		20%																	Tr.
PINK				10%																	Tr.
BROWN										Tr.	5%										
BLACK			Tr.									3 g?	3 g?	5%	10%						
Br. GREEN					6 g																
Dk. GREEN						Tr.	Tr.	1%													
YELLOW									Tr.											5%	
CLEAR																					
SILVER																					
TOTAL		10%	Tr.	30%	6 g	Tr.	Tr.	1%	Tr.	Tr.	5%	3 g?	3 g?	5%	10%	5%			5%	5 g	Tr.

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to kimberlite source

TOTAL KIMBERLITE OR RELATED MINERALS: >90%

OTHER MINERALS OF INTEREST: euhedral crystals of pyrite, zircon, apatite enstate, sphene perovskite, magnetite.

COMMENTS: bleached phlogopite crystals, chrome diopside with preserved calcite rims, 1% apatite, 30% fine-grained mica-olivine-cpx-magnetite lamprophyric/kimberlitic rock fragments removed in magnetitic fraction some sphene could be olivine.

Cr-DIOPSIDE - PEROVSKITE -SPHENE - PYRITE -MICA KIMBERLITE SOURCE

SIGNED BY:

Robert J. Dillman MARCH 25, 02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-3-35 CHAMPAGNE DATE OF SUBMISSION: SEPTEMBER 2001
 'A' COMPLEX

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 14.7 SIZE FRACTION: 1.0 to 0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: YES
 NONMAGNETIC FRACTION: 14.7 grams
 TOTAL 14.7 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 14.7 grams DATE: MAY 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				7 g ?																	7 g ?	
ORANGE		1 g ?																				
PINK				Tr.																		
BROWN																1 g						
BLACK										60%					1 g							
Br. GREEN																						
Dk. GREEN						2 g ?																
YELLOW							3 g ?														3 g ?	
CLEAR																						
SILVER																						
TOTAL		1 g ?		Tr.		2 g ?	3 g ?			60%					1 g	1 g				3 g ?		7 g ?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance to probable kimberlite source.

TOTAL KIMBERLITE OR RELATED MINERALS: 65%

OTHER MINERALS OF INTEREST: 2 possible eclogitic Cr clinopyroxene.

COMMENTS: abundant large phlogopite-biotite flakes, many finer-grained 'cluster' grains, macrocrysts of almandine, enstatite?, magnetite & pyrite.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Probable Kimberlite source

SAMPLE NUMBER: DDI - 3 - 37

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 30.2

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 30.2 grams
TOTAL 30.2 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 30.2 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				Tr.												1 g					5 g
ORANGE				30%																	
PINK				40%																	
BROWN																					
BLACK											2 g	1 g								2%	
Br. GREEN																				Tr.	
Dk. GREEN								8 g													
YELLOW																					
CLEAR																					9 g
SILVER																					
TOTAL				70%				8 g			2 g	1 g				1 g				2%	14 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: several rusty grains and grain-clumps cemented by rust.

COMMENTS: several fragments of red zircon and small clear euhedral crystals.

SIGNED BY:

Robert J. Dillman March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

NO OBVIOUS KIMBERLITE INDICATOR MINERALS

SAMPLE NUMBER: DD3-38

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 31.5 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 31.5 grams
TOTAL 31.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 31.5 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					AMPHI.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPHI.	SPHENE	CORUN.
PURPLE																			
LILAC																			
RED		15 g																	
ORANGE		20 g		35%															
PINK		2 g		35%															
BROWN																			
BLACK																		15%	
Br. GREEN																		3 g	
Dk. GREEN																		2%	
YELLOW																			
CLEAR																			
SILVER																			
TOTAL		27 g		70%														17%	

g : grains

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: no estimate

TOTAL KIMBERLITE OR RELATED MINERALS: 0

OTHER MINERALS OF INTEREST:

COMMENTS: red garnet could be red zircon. Several 'brighter' green amphibole could be chrome cpx.

SIGNED BY:

March 13, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 39

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 6.8

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 6.8 grams
TOTAL 6.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 6.8 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				3%																		
PINK				5%																		
BROWN																						10%
BLACK																						80%
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				8%																		90%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: most black amphibole in composite with fine biotite and quartz.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 39

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 25.9

SIZE FRACTION: <0.5 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 25.9 grams
TOTAL 25.9 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 25.9 grams

DATE: November 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 9

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: November 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				3 g																	?	
ORANGE		?		20%																		
PINK				30%																		
BROWN																						
BLACK													?		Tr.		Tr.				45%	
Br. GREEN																						
Dk. GREEN							?														Tr.	
YELLOW																					2 g	
CLEAR																						
SILVER											5 g											
TOTAL		?		50%		?					5 g		?		Tr.		Tr.			45%	2 g	?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: silvery-red mica source in area.

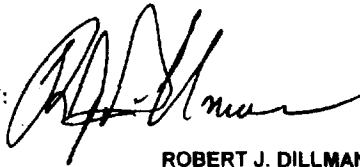
TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: silvery-red mica is unique. Green amphibole could clinopyroxene.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 3 Ca-Mg almandine, 4 augite

NON KIMBERLITIC: 2 grossular-almandine

SIGNED BY:  Nov 9/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 40

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 42.3 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 42.3 grams
 TOTAL 42.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 42.3 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					4 g	
LILAC																						
RED				2 g																		
ORANGE				Tr.																		
PINK				40%																		
BROWN										1 g	3 g											
BLACK													?		5 g			40%				
Br. GREEN					1 g?	?																
Dk. GREEN																		20%				
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				40%	1 g?	?				1 g	3 g		?		5 g			60%		4 g		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES?

DISTANCE ESTIMATE: mica - amphibole source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS: 5 grains

OTHER MINERALS OF INTEREST: moderately thick clay coating most grains.

COMMENTS: several biotite flakes and one phlogopite potentially from a kimberlitic / lamprophyric source.
 Potential Cr diopside/ cpx <0.2 mm. Fresh dark green and black amphibole some with mica.
 Fresh magnetite.
 POTENTIAL LAMPROPHYRE - KIMBERLITE SOURCE

SIGNED BY:  June 8/02
 ROBERT J. DILLMAN ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 41

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 81.1

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 81.1 grams
TOTAL 81.1 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 81.1 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER		ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE			
PURPLE																					3 g	
LILAC																						
RED				Tr.																		?
ORANGE				20%																		
PINK				40%																		
BROWN																						
BLACK																					30%	
Br. GREEN																						
Dk. GREEN																					5%	
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				60%																	35%	3 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Cr cpx <0.2 mm. Several euhedral black amphibole similar to DDI-3-40
Some red almandine could be red Zr.

DISTANCE ESTIMATE: dark green amphibole and black amphibole source(s) in area.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #7

SAMPLE NUMBER: XP-8 MOUNT JACQUES ROUSSEAU DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 29.8 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 29.8 grams
 TOTAL 29.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 29.8 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 8

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				Tr.																	
ORANGE				Tr.																5%	
PINK				95%																	
BROWN																					
BLACK																					
Br. GREEN																					
Dk. GREEN							?												Tr.		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%			?												Tr.	5%	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: Source(s) for red garnet/ zircon? and green amphibole/ cpx? close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: slight increase in green amphibole, some could be clinopyroxene. 5 purplish-pink almandine. Fresh red garnet or possible red zircon, several fragment of large euhedral crystals +0.5 mm. Green amphibole/ cpx? are long pellets and blocky grains.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 1 Pyrope, 1 Cr diopside, 2 Low Cr clinopyroxene/ augite

NON KIMBERLITIC: 3 grossular- almandine.

SIGNED BY:

Robert J. Dillman Sept 29, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-1 D.O.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 9.4 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.1 grams
 NONMAGNETIC FRACTION: 9.3 grams
 TOTAL 9.4 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 9.3 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				Tr.																		
PINK				5%																		
BROWN																					Tr.	
BLACK																			95%			
Br. GREEN																						
Dk. GREEN																						
YELLOW																					Tr.	
CLEAR																						
SILVER																						
TOTAL				5%																	95%	Tr.

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:


COMMENTS: 3 orange garnets, pellet-shaped with striated face.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



Oct 21/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-2 D.O.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3.1 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 3.1 grams
 TOTAL 3.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 3.1 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 17

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September, 2001

COLOUR	GARNET				PYROXENE				OLVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				2%																		
PINK				3%																		
BROWN											1 g										Tr.	
BLACK																		95%				
Br. GREEN																						
Dk. GREEN						1 g												3 g				
YELLOW									4 g?													
CLEAR																						
SILVER																						
TOTAL				5%		1 g			4 g?		1 g							95%			Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: black amphibole source in area.


TOTAL KIMBERLITE OR RELATED MINERALS: 6

COMMENTS: 3 orange garnet, pellet-shaped with striated faces.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 1 Ca-Mg Almandine, 4 Low Cr Clinopyroxene, 1 Low Cr Amphibole

NON KIMBERLITIC: 2 epidote, 5 spessartine-almandine, 2 Ilmenite

SIGNED BY:  Oct 25/01
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-3 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 16.3

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 2.3 grams
 NONMAGNETIC FRACTION: 14 grams
 TOTAL 16.3 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 14 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 6

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				5%																		
PINK				30%																		
BROWN											1 g					10 g			40%		Tr.	
BLACK													2 g?						20%			
Br. GREEN																						
Dk. GREEN																						
YELLOW																				Tr.		
CLEAR																						
SILVER																						
TOTAL				35%							1 g		2 g?			10 g			60%		Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: pyrite source in area

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: 1 orange garnet, broken pellet-shaped with striated face.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 5 Augite

NON KIMBERLITIC: 1 amphibole

SIGNED BY:

Robert J. Dillman Sept. 17, 01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-4 D.D.I #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 43.4 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 3.5 grams
 NONMAGNETIC FRACTION: 39.9 grams
 TOTAL 43.4 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 39.9 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA			OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.		
PURPLE																					3 g		
LILAC																							
RED				10 g																			
ORANGE				35%																			
PINK				35%																	Tr.		
BROWN																						5%	
BLACK																						25%	
Br. GREEN																							
Dk. GREEN																							
YELLOW																							
CLEAR																							
SILVER																							
TOTAL				70%																		30%	Tr.

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: Source for zircon in area.


TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: euhedral purple zircon crystals.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:  Oct 27/01
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-5 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 96.7 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 2.4 grams
 NONMAGNETIC FRACTION: 94.3 grams
 TOTAL 96.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 94.3 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 9

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				2 g																		
ORANGE				25%																1%		
PINK				45%																	Tr.	
BROWN																3 g						
BLACK													15%		5%		5%	1%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																		1%				
CLEAR																						
SILVER																						
TOTAL				70%									15%		5%	3 g	5%	2%	1%	Tr.		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: Immediate source for pyrite, ilmenite and zircon.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: euhedral pyrite and zircon crystals.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 3 Ca-Mg Almandine

NON KIMBERLITIC: 6 amphibole

SIGNED BY:

Robert J. Dillman Sept 20/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MC-6 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 39.8 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 39.8 grams
 TOTAL 39.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 39.8 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				3 g																		
ORANGE				50%																		
PINK				45%																	Tr.	
BROWN																1%		3%				
BLACK																						
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%												1%		3%			Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: Source for sulphides, pink almandine and brown zircon close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: euhedral brown zircon crystals. Several rusty types of unidentifiable grains.
 No black amphibole.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:  19, 01
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-7 D.P.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 95.7 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 47 grams
 NONMAGNETIC FRACTION: 48.7 grams
 TOTAL 95.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 48.7 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				Tr.																		
PINK				Tr.																		
BROWN																						
BLACK															10%							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL					1%										10%							90%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:


TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: abundant brown amphibole - magnetite - quartz - white feldspar composites.
 No black amphibole.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:  Oct 28/01
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-8 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 44 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.2 grams
 NONMAGNETIC FRACTION: 43.8 grams
 TOTAL 44 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 43.8 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						2 g
LILAC																						
RED				3 g																		
ORANGE				50%																		
PINK				45%																		
BROWN																2 g						8 g
BLACK											3 g						Tr.	1%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						7 g?
CLEAR																						
SILVER																						
TOTAL				95%							3 g					2 g	Tr.	1%				10 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: Source for yellow amphibole? in area

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: large mica grains could be from a lamprophyric source. Yellow amphibole? with inclusion of fine black mica and black unidentifiable minerals.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

RJD Oct 6/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MC-9 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 120.2

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 2.2 grams
 NONMAGNETIC FRACTION: 118 grams
 TOTAL 120.2 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 118 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 6

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGD	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				29 g																	?	
ORANGE				50%																		
PINK				45%																		
BROWN																						
BLACK											12 g	?	2 g?				Tr.	1%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%							12 g	?	2 g?				Tr.	1%			?	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: Source for red almandine and mica close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: large mica grains could be from a lamprophyric source. Fresh fragments of red almandine or possibly zircon.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 1 Ca-Mg Almandine, 1 olivine (Fo 65)

NON KIMBERLITIC: 2 almandine, 1 grossular-almandine, 1 grain lost

SIGNED BY:

Robert J. Dillman Sept 28, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MC-10 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 43 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 19.8 grams
 NONMAGNETIC FRACTION: 23.2 grams
 TOTAL 43 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 23.2 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 23

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																					5 g	
LILAC																						
RED																4 g						
ORANGE				30%																		
PINK				50%																		
BROWN																						10%
BLACK													4 g		Tr.		1%	5%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																		Tr.	?			
CLEAR																						
SILVER																						
TOTAL				80%									4 g		Tr.	4 g	1%	15%	?		5 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: Brown amphibole, pyrite and purple zircon source(s) close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: red tarnished pyrite cubes. Fragments and subhedral crystals of brown and yellow amphibole.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 9 Ca-Mg Almandine, 2 Mg ilmenite, 1 low Cr clinopyroxene

NON KIMBERLITIC: 1 sphene, 1 amphibole, 2 ilmenite, 2 pyrite, 1 zircon, 4 grossular almandine.

SIGNED BY:

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-11 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 12.8

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 1 grams
 NONMAGNETIC FRACTION: 11.8 grams
 TOTAL 12.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 11.8 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					Tr.	
LILAC																						
RED				9 g																		
ORANGE				45%																		
PINK				45%																		
BROWN											1 g										Tr.	
BLACK													3 g		Tr.						5%	
Br. GREEN																						
Dk. GREEN							7 g	3 g														
YELLOW																						5%
CLEAR																						
SILVER																						
TOTAL				90%			7 g	3 g			1 g		3 g		Tr.						10%	Tr.

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: Source for yellow amphibole close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: 6 chocolate brown opaque silicates potential rare earth minerals?.

MICROPROBE RESULTS:
 KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Oct 20/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-12 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 106.1

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 9.8 grams
 NONMAGNETIC FRACTION: 96.3 grams
 TOTAL 106.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 96.3 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					3 g
LILAC																					
RED																					
ORANGE				55%																	
PINK				10%																	
BROWN																		1%		Tr.	
BLACK													25%		Tr.		5%	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				65%									25%		Tr.		5%	1%		Tr.	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: Source for orange garnet close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: good number of euhedral orange garnet, some in composite with ilmenite, black mica and quartz.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Oct 27/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-13 D.D.I. # 3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 85.9

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 3.9 grams
 NONMAGNETIC FRACTION: 82 grams
 TOTAL 85.9 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 82 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 12

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				35 g																	?	
ORANGE				45%																	5 g	
PINK				30%																		
BROWN											5 g										Tr.	
BLACK													25%		Tr.		10%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				75%							5 g		25%		Tr.		10%	1%			5 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: Source for red almandine garnet close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: red almandine garnet could be zircon, many fresh fragments.
 Some brown mica in composite with orange garnet.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 6 Ca-Mg Almandine,

NON KIMBERLITIC: 6 Ilmenite

SIGNED BY:

RJD Sept 27/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MC-14 P.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 77.5 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 1.5 grams
 NONMAGNETIC FRACTION: 76 grams
 TOTAL 77.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 76 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					1 g	
LILAC																						
RED				3 g																		
ORANGE				45%															Tr.			
PINK				50%																		
BROWN											1 g										2 g	
BLACK													Tr.		Tr.		5%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%							1 g		Tr.		Tr.		5%	Tr.	Tr.		3 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS:

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Oct 4/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MC-15 D.D.I. # 3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 168.6

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 168.6 grams
 TOTAL 168.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 86.5 grams

DATE: JUNE 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					3 g
LILAC																					
RED				1%																	
ORANGE				60%																5%	
PINK				30%																	
BROWN											4 g										
BLACK															Tr.		2%	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																				1 g	
CLEAR																					
SILVER																					
TOTAL				91%							4 g				Tr.		2%	Tr.	5%	3 g	?

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS:

SIGNED BY:

RJD June 10, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-1 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 15.7 SIZE FRACTION: <0.5 mm

MAGNETIC FRACTION: 1.5 grams
NONMAGNETIC FRACTION: 14.2 grams
TOTAL 15.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 14.2 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES				OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				50%																Tr.	
PINK				45%																	
BROWN																					
BLACK															Tr.		Tr.	5%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%											Tr.		Tr.	5%	Tr.		

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

TOTAL KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE: Source for black amphibole close to sample site.

COMMENTS: euhedral crystals of black amphibole.

MICROPROBE RESULTS:
KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-1A D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 16.1

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 2 grams
 NONMAGNETIC FRACTION: 14.1 grams
 TOTAL 16.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 14.1 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				5 g																?	?	
ORANGE				50%															1%			
PINK				45%																		
BROWN																						
BLACK															Tr.		3 g	5%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											Tr.		3 g	5%	1%	?	?	

KIMBERLITE OR RELATED MINERALS: NO

TOTAL KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

Tr. : Trace (<1%)

g : grains

Source for black amphibole close to sample site.

COMMENTS: Euhedral crystals of black amphibole. 5 fragments of red garnet or zircon, possibly corundum.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-2 D.O.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 13.9 SIZE FRACTION: < 0.5 mm

MAGNETIC FRACTION: 1.2 grams
 NONMAGNETIC FRACTION: 12.7 grams
 TOTAL 13.9 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 12.7 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				11 g																	?	
ORANGE				35%																Tr.		
PINK				35%																		
BROWN																						
BLACK															Tr.		3 g	30%				
Br. GREEN																						
Dk. GREEN										16 g										?		
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				70%						16 g					Tr.		3 g	30%	Tr.	?		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: red garnet could be zircon. Some black amphibole in composite with quartz and black mica.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Oct 1/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-2A *D.D.I. #3*

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 28.6

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 17.6 grams
 NONMAGNETIC FRACTION: 11 grams
 TOTAL 28.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 28.6 grams

DATE: OCTOBER 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				1 g																	?	
ORANGE				50%															1%			
PINK				45%																		
BROWN																						
BLACK															Tr.			5%				
Br. GREEN																						
Dk. GREEN						2 g																
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%		2 g									Tr.			5%	1%	?		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS:

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

RJD Oct 1/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-3 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 41.9 SIZE FRACTION: < 0.5 mm

MAGNETIC FRACTION: 10.6 grams
 NONMAGNETIC FRACTION: 31.3 grams
 TOTAL 41.9 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 11.8 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 10

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September, 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																					?	
ORANGE				45%															Tr.		1 g	
PINK		2 g		50%																		
BROWN																4 g		5%			2 g	
BLACK													1 g		Tr.		3 g	5%				
Br. GREEN																						
Dk. GREEN							?												Tr.			
YELLOW																						
CLEAR																						4 g
SILVER																						4 g
TOTAL		2 g		95%			?															4 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: Silver mica, brown amphibole source(s) in area.

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS: 9

COMMENTS: silver-red mica unique. Clear amphibole is unique.
 Light and dark brown amphiboles. 2 purplish-pink almandine.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 5 Ca-Mg Almandine, 1 Augite, 2 Cr Amphibole, 1 Low Cr Amphibole

NON KIMBERLITIC: 1 lithic Fe grain

SIGNED BY:

Robert J. Dillman Sept 11/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-3A D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 11.8

SIZE FRACTION: >1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 11.8 grams
 TOTAL 11.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 11.8 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				1 g																		
ORANGE				45%																		
PINK				50%																		
BROWN																						Tr.
BLACK															1 g							Tr.
Br. GREEN																						
Dk. GREEN							1 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%			1 g								1 g							

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

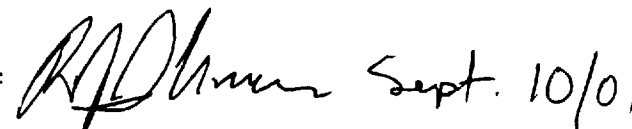
COMMENTS: 1 +1.0 mm kyanite grain.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-3B D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 4.3

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 4.3 grams
 TOTAL 4.3 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 4.3 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				9 g																		
ORANGE				25%																		
PINK				35%																		
BROWN																						20%
BLACK															Tr.							15%
Br. GREEN																						
Dk. GREEN										1 g												
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				60%						1 g						Tr.						35%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: Source(s) for red garnet and brown amphibole close to sample site.

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

COMMENTS: fresh red garnet, some could be red zircon.

MICROPROBE RESULTS:
 KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-4 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 13.8

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 2.8 grams
 NONMAGNETIC FRACTION: 11 grams
 TOTAL 13.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 11 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			CORUN.
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	
PURPLE																					5 g
LILAC																					
RED				3 g																	
ORANGE				30%																	
PINK				30%																	
BROWN																		15%		5 g	
BLACK														1 g		Tr.		25%			
Br. GREEN																					
Dk. GREEN							3 g														
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				60%			3 g							1 g		Tr.		40%		10 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: Source(s) for red garnet and brown amphibole close to sample site.

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

COMMENTS: Fresh red garnet, some could be red zircon. 2 purplish-pink almandine similar to MCW 3

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-4A D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 28.1

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 17.9 grams
 NONMAGNETIC FRACTION: 10.2 grams
 TOTAL 28.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 10.2 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER		ZIR	CORUN.		
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.			SPHENE	
PURPLE																					5 g	
LILAC																						
RED				3 g																		
ORANGE				40%																		
PINK				45%																		
BROWN																				5%		5 g
BLACK															5%				5%			
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%											5%				10%			10 g

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE:

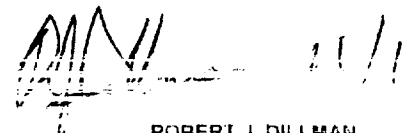
TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

COMMENTS: Fresh red garnet, some could be red zircon. 6 purplish-pink almandine similar to MCW 2

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY: 
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-5 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 61.6

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 61.6 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 61.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 6.5 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 0

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK				Tr.																	
BROWN																					1%
BLACK															99%						Tr.
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				Tr.											99%						1%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to magnetite-brown amphibole source.

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

COMMENTS: Sample consists entirely of fresh magnetite some in composite with brown amphibole.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC: MAGNETITE SOURCE

SIGNED BY:

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-6 D.O.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 74.1

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 5.9 grams
 NONMAGNETIC FRACTION: 68.2 grams
 TOTAL 74.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 68.2 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 17

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLVINE	MICA			OPAQUES					OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				5 g																	
ORANGE				45%																	
PINK				50%																	
BROWN											1 g										
BLACK													3 g					10%			
Br. GREEN																					
Dk. GREEN						14 g		?										?			
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%		14 g		?			1 g		3 g					10%			

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: black amphibole source in area.

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

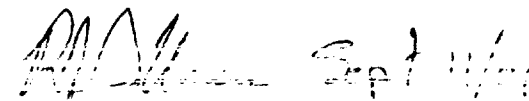
COMMENTS: 1% of black amphiboles as euhedral crystals similar to MCW-9.
 6 purplish pink almandines similar to MCW 3.

MICROPROBE RESULTS.

KIMBERLITIC, POTENTIAL OR RELATED: 4 Ca-Mg Almandine, 5 Augite

NON KIMBERLITIC: 1 monazite, 2 amphibole, 1 apatite, 1 rutile, 3 Fe clinopyroxene

SIGNED BY:



ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-7 D.D.I. # 3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 8.5 SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 8.5 grams
 TOTAL 8.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 8.5 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				45%																		
PINK				50%																		
BROWN																						
BLACK															Tr.			5%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											Tr.			5%				

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

COMMENTS:

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-8 D.O.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 66.7 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 6 grams
 NONMAGNETIC FRACTION: 60.7 grams
 TOTAL 66.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 60.7 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 15

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				40%																		
PINK				50%																		
BROWN																						
BLACK													4 g		Tr.			10%				
Br. GREEN																						
Dk. GREEN							Tr.												Tr.			
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%			Tr.						4 g		Tr.			10%				

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: source close for dark blue-green amphibole.

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

COMMENTS: most dark blue-green amphibole are well-preserved subhedral crystals.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 3 Ca-Mg Almandine, 1 Cr clinopyroxene, 4 augite

NON KIMBERLITIC: 1 grossular-almandine, 3 ilmenite, 1 rutile, 2 amphibole

SIGNED BY:



Sept 10/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-9 D.O.I. # 3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 12.2 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 1.7 grams
 NONMAGNETIC FRACTION: 10.5 grams
 TOTAL 12.2 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 10.5 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				20%																		
PINK				40%																		
BROWN											5 g										7 g	
BLACK													2 g		Tr.				40%			
Br. GREEN																						
Dk. GREEN																			Tr.			
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				60%							5 g		2 g		Tr.			40%			7 g	

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

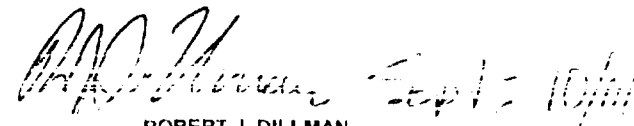
COMMENTS: many black amphibole in composite with quartz, feldspar and biotite.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCSS-2 D.P.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 38.6 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 3.2 grams
 NONMAGNETIC FRACTION: 35.4 grams
 TOTAL 38.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 82 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED				1 g																		
ORANGE				40%																		
PINK				45%																		
BROWN																						
BLACK													Tr.		Tr.							15%
Br. GREEN																						
Dk. GREEN						3 g																Tr.
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%		3 g							Tr.		Tr.							15%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

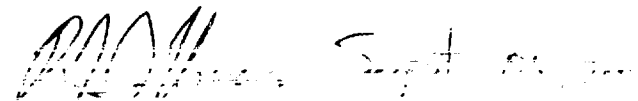
COMMENTS: 1 purplish-pink almandine.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCSS-3 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 25.3 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 3.4 grams
 NONMAGNETIC FRACTION: 21.9 grams
 TOTAL 25.3 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 21.9 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLMNE	MICA		OPAQUES						OTHER			
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DOP	Cr CPX	ENSTATITE	AUGITE	OLMNE	PHLOGO	BIOTITE	CHROMITE	ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				3 g																	
ORANGE		2 g		40%																	?
PINK				50%																	?
BROWN																					
BLACK													11 g		Tr.		Tr.				5%
Br. GREEN																					
Dk. GREEN						3 g															Tr.
YELLOW																					
CLEAR																					
SILVER																					
TOTAL		2 g		90%		3 g							11 g		Tr.		Tr.				15%

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

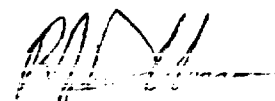
COMMENTS: 2 purplish-pink almandine. 2 pellet-shaped orange almandine. Potential pink and orange zircon.
 <0.2 mm clinopyroxene, could be amphibole

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:



ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCSS-4 D.D.I. #3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 31.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 2.9 grams
 NONMAGNETIC FRACTION: 28.8 grams
 TOTAL 31.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 28.8 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				40%																		
PINK				40%																		
BROWN																		5%		2 g		
BLACK													11 g		Tr.		Tr.	15%				
Br. GREEN																						
Dk. GREEN								2 g														
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				80%				2 g					11 g		Tr.		Tr.	20%		2 g		

Tr. : Trace (<1%) g : grains

* KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS:

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman
 ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MCSS-05 (DDI-3)

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 50.8

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 50.8 grams
TOTAL 50.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 50.8 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				4 g																		
PINK				3 g																		
BROWN																						Tr.
BLACK															99%							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				7 g											99%							Tr.

Tr. : Trace (<1%) g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to magnetite source

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: sample consists of coarse magnetite + brown amphibole + quartz cemented from an immediate source
ICP scan recommended.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

IMMEDIATE MAGNETITE SOURCE