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REPORT ON HEAVY MINERAL EXAMINATION AND ANALYSIS, TORNGAT DIAMOND PROJECT

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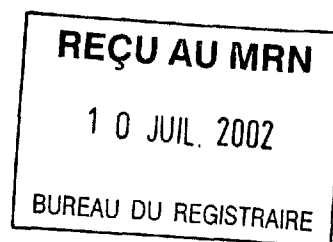


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**REPORT ON
HEAVY MINERAL EXAMINATION AND ANALYSIS
DIAMOND DISCOVERIES INTERNATIONAL
TORNGAT DIAMOND PROJECT, QUEBEC**

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INDEX

	Page
I. INTRODUCTION	
SUMMARY	1
LOGISTICS	1
SAMPLE PREPARATION	2
II. RESULTS	2
KIMBERLITE AND ASSOCIATED MINERALS	6
PYROPE GARNET	6
CHROME DIOPSIDE	6
PEROVSKITE	8
OLIVINE	8
PHLOGOPITE-BIOTITE MICA	12
ANDRADITE GARNET	12
CHROMITE	12
Mg ILMENITE	13
ENSTATITE	13
Ca-Mg ALMANDINE GARNET	13
PINK CORUNDUM	14
SPHENE	14
Cr CLINOPYROXENE AND Na AUGITE	15
CHROME AMPHIBOLE	15
RUTILE	15
APATITE	16
PYRITE	16
ILMENITE	16
III. DISCUSSION OF RESULTS	16
IV. CONCLUSION AND RECOMMENDATIONS	17
REFERENCES	19
AUTHOR'S CERTIFICATE	20
TABLE 1. KIMBERLITE, LAMPROPHYRE AND RELATED MINERALS VERIFIED BY ELECTRON MICROPROBE	 3
TABLE 2. KIMBERLITE, LAMPROPHYRE AND RELATED MINERALS: COMPILATION OF RESULTS BASED ON PETROLOGY AND ELECTRON MICROPROBE ANALYSES	 4

INDEX CONTINUED

COMPOSITIONAL PLOTS

PYROPE AND Cr DIOPSIDE: DRX-3 & XP-8	7
Cr DIOPSIDE: DDI SERIES	9
COMPARISON OF Cr DIOPSIDE	10
CHROMITE, Mg-ILMENITE AND OLIVINE	11

APPENDIX

PHOTOGRAPH 1 SAMPLE DRX-3

PHOTOGRAPH 2 SAMPLES DRX-1 & DRX-2

PHOTOGRAPH 3 SOUTH PIPE & H DIKE OLIVINE NODULES

PHOTOGRAPH 4 SAMPLES 5262 & ARY-4

PHOTOGRAPH 5 DDI-3 SERIES SAMPLES

ELECTRON MICROPROBE DATA

SAMPLE DESCRIPTIONS

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 Torngat 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)				2 g									43 g		
DRX-3	8 g	10 g				2 g		4 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								2 g					
DD1-3-30		5 g		1 g							1 g				
DD1-3-32		4 g									1 g				
DD1-3-33		1 g									1 g				
DD1-3-34		2 g													
DD1-3-39										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										2 g					
H2SS-3						6 g									
H2RX-10		1 g	1 g	1 g		2 g									
5265	1 andradite					4 g				1 g					
5294(R)			16 g	4 g											
DD1-6-12															
DD1-6-17														1 g	
DD1-6-22							1 g								
MC-2										2 g					
MC-3									1 g	4 g					
MC-5										5 g					
MC-9						1 g (Fo65)									
MC-10			2 g							1 g					
MC-13											1 g				
MCW-3															
MCW-6										5 g					
MCW-8		1 g								4 g					
CHASSIN-1															
VEN-2A				1 g											
AY-2									3 g	1 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

SAMPLE NUMBER	(R): CRUSHED ROCK						(D): CAUSTIC FUSION RESIDUE						PARTIAL OR FULL MICROPROBE VERIFICATION OF TOTAL GRAIN COUNT					
	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.							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%	
52947(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 PIPE(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	ORTHOPIROXENE 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						
DD1-3-30			5 g	?	1 g			9 g	5 g	5 g				10%			15 g
DD1-3-32			3 g					90%	4 g	2 g			3 g	Tr.		5%	17 g
DD1-3-33			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									
DDI-6-30								5%						Tr.	1%?		3 g
DDI-6-38								1 g	4 g		2 g			3%			5 g
XP-3							1 g		1 g		5 g		3 g		1%	1%	6 g
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 (Fo65)	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.

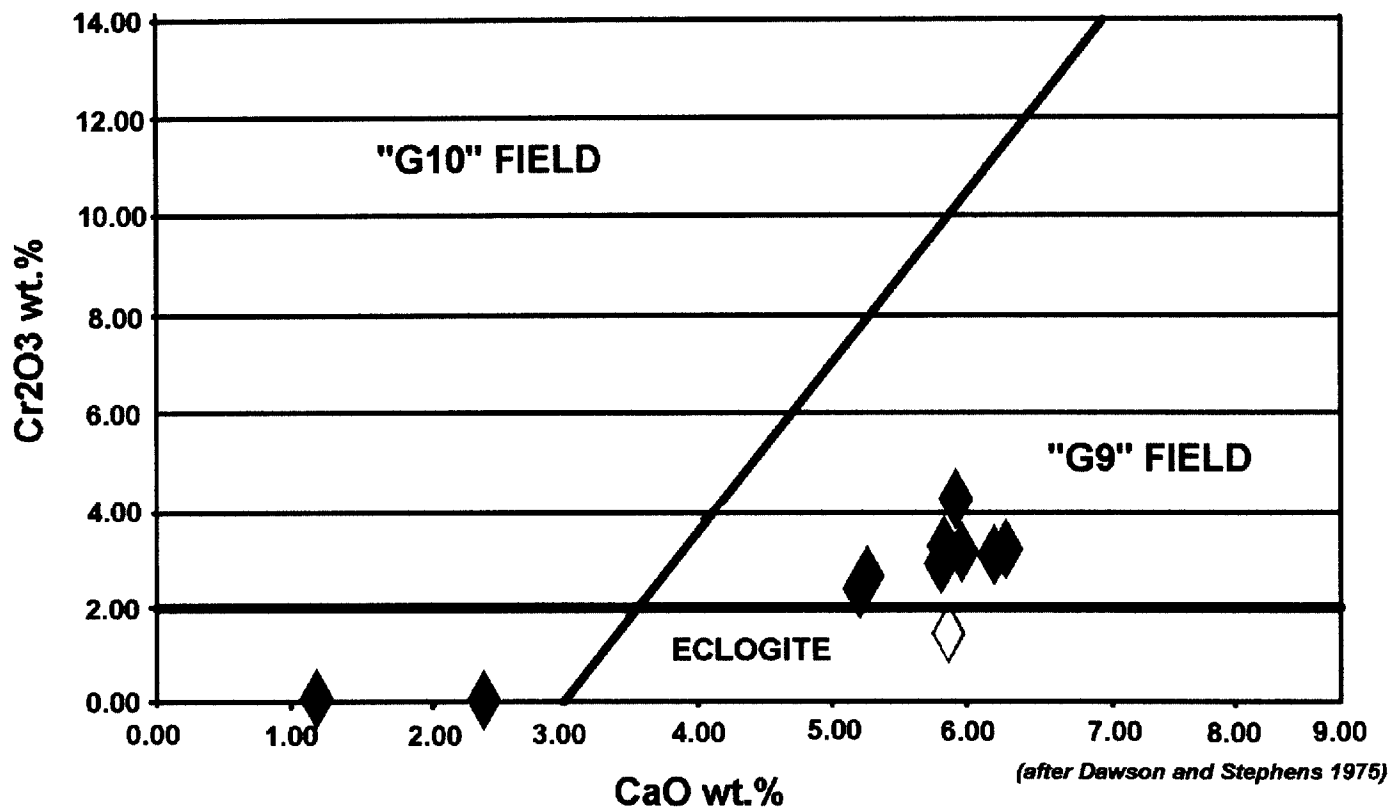
A single grain of pyrope was found in sample XP-8. The chemistry of the grain shows a slight increase in CaO suggesting a potential eclogite association. Chrome diopside was also found in the sample.

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

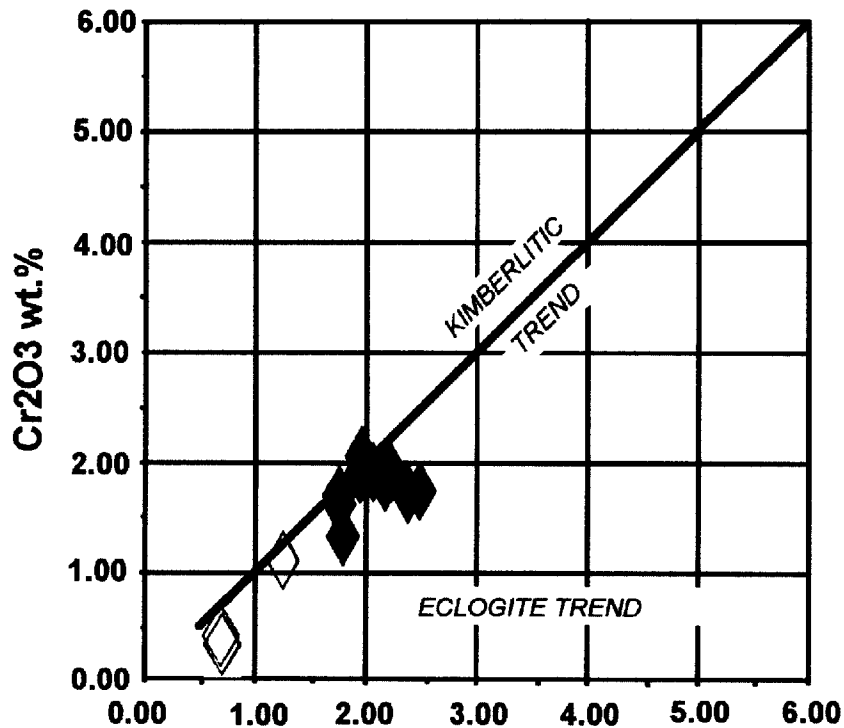
PYROPE GARNET





(after Dawson and Stephens 1975)

represents 11 analyses

CHROME DIOPSIDE



 DRX-3 ANALYSES
 XP-8 ANALYSES

Na₂O wt.%
represents 15 analyses

FIGURE 1.
PYROPE & Cr DIOPSIDE PLOTS
SAMPLE DRX-3 & XP-8
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL

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

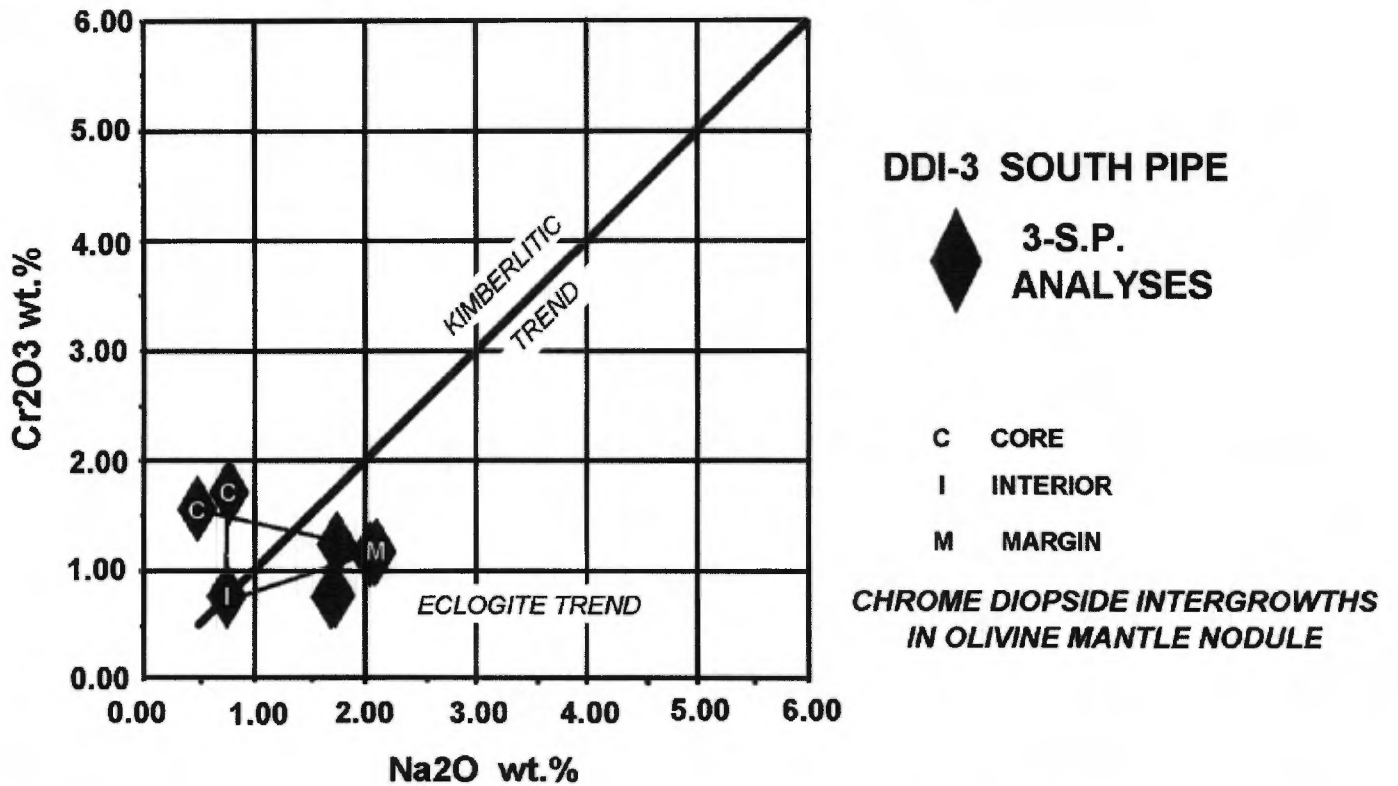
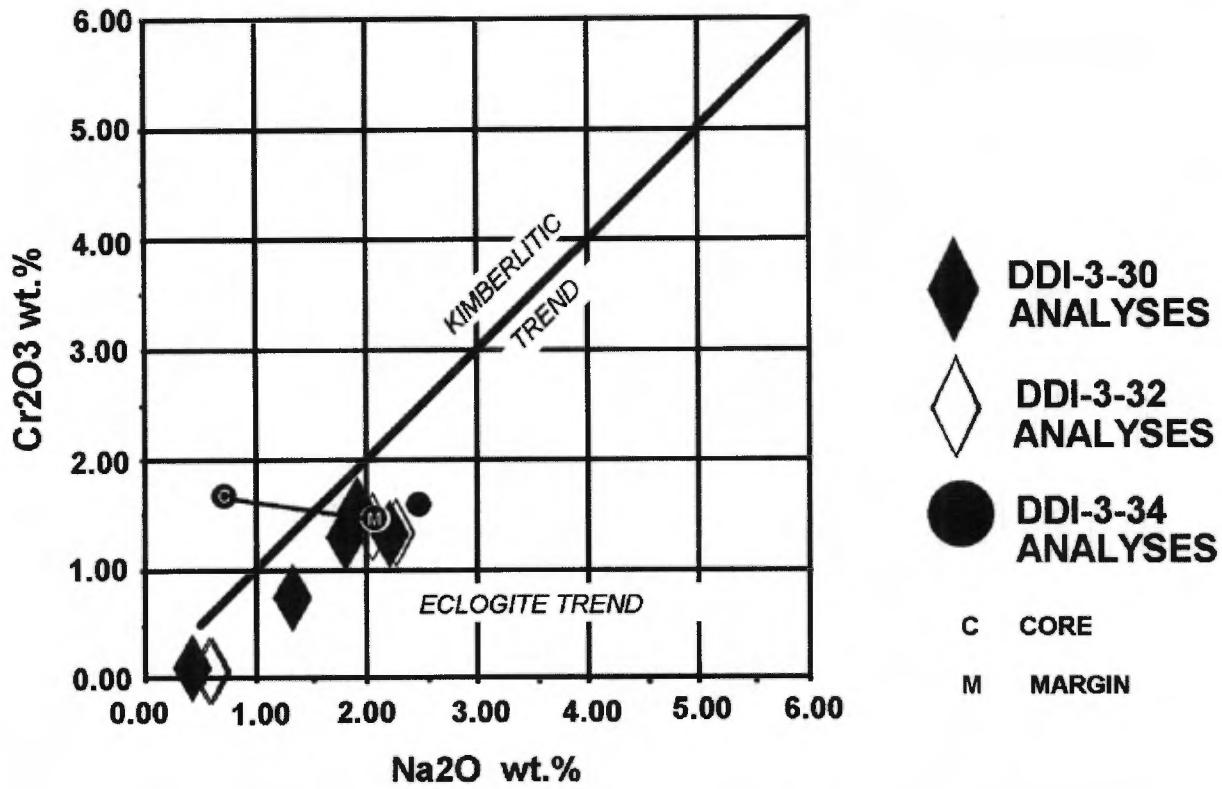


FIGURE 2.
CHROME DIOPSIDE PLOTS
DDI-3 SERIES
TORNGAT PROJECT, QUEBEC
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CHROME DIOPSIDE

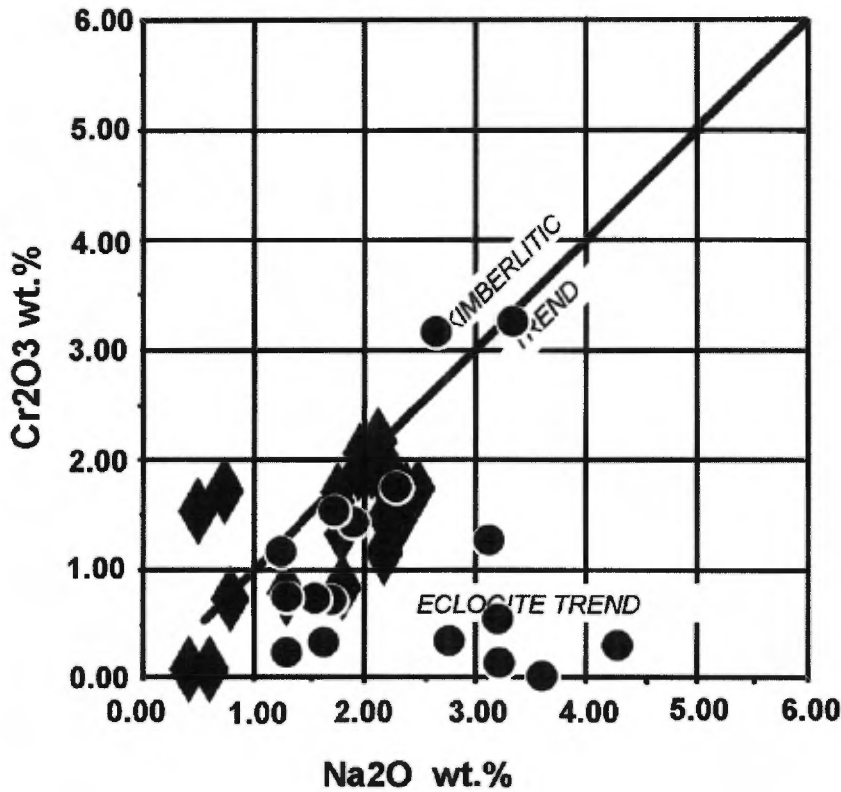
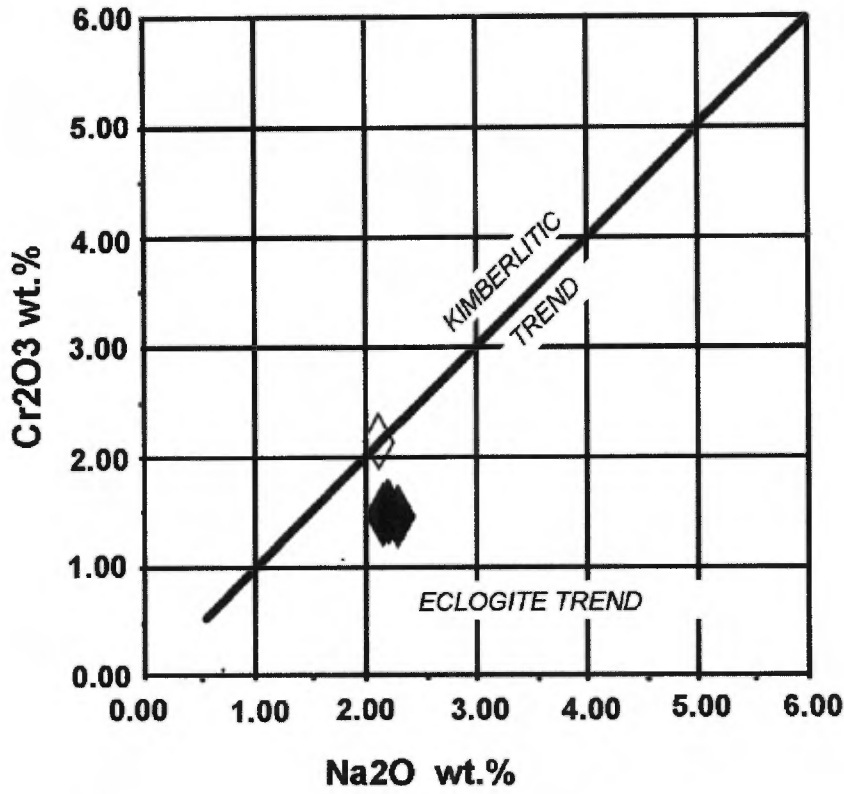
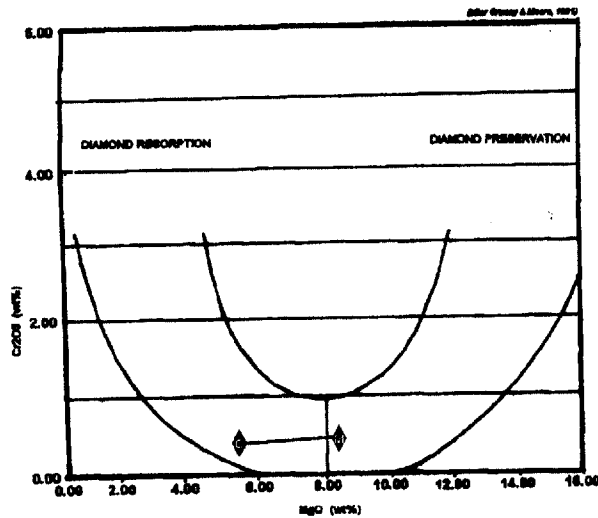
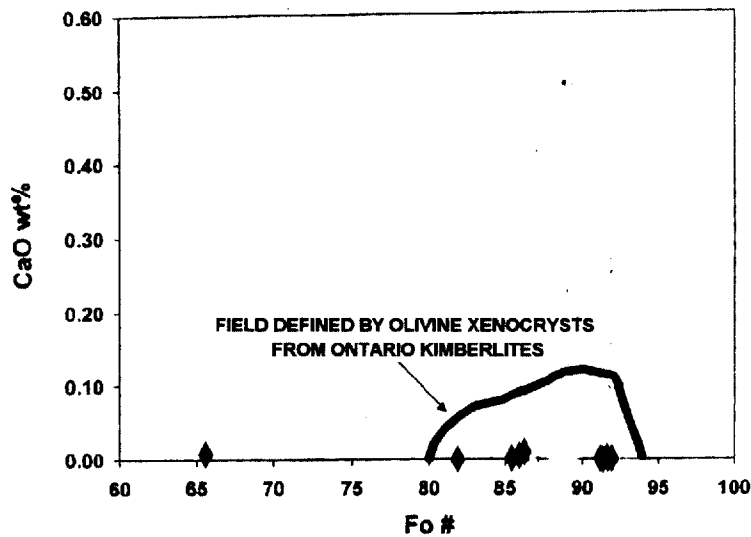


FIGURE 3.
COMPARISON OF CHROME DIOPSIDE
TORNGAT PROJECT, QUEBEC
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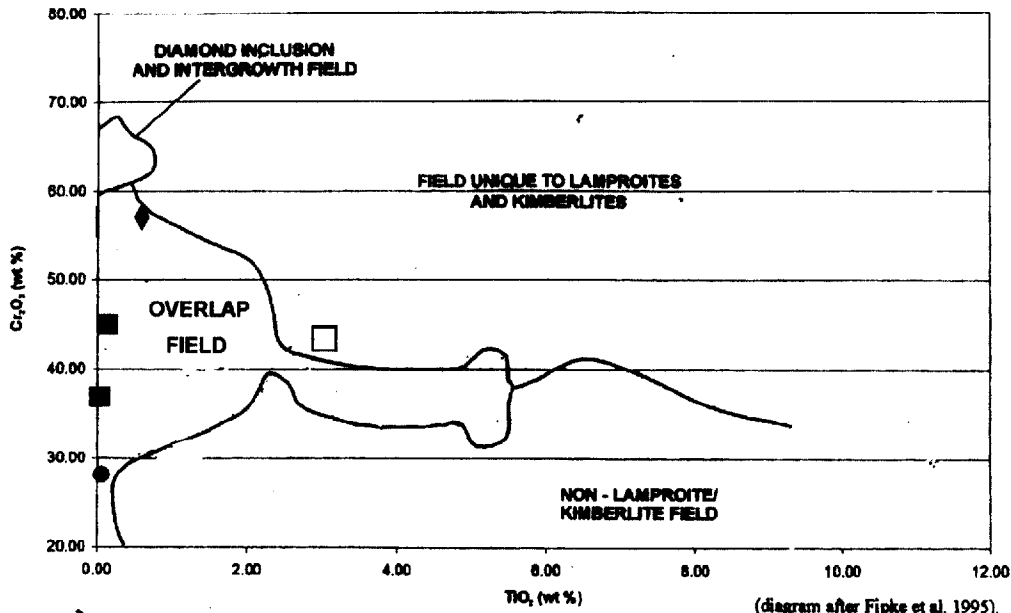
H2RX-10 (H2-10)

C CORE
M MARGIN



DIAMOND DISCOVERIES INTERNATIONAL

PLOT REPRESENTS 31 ANALYSES



H2RX-10 (H2-10)

DDI-3-30 (3-30)

DRX-3

CHASSIN-1 (CH-1)

(diagram after Fipke et al. 1995).

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 Torngat 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.

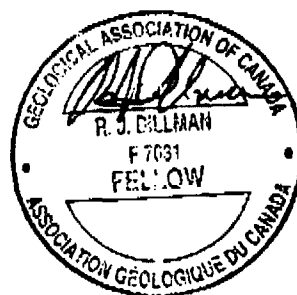
Additional heavy mineral sampling and ground exploration is recommended in the vicinity to samples containing kimberlite minerals. Emphasis should be placed on any region where olivine is present. Diamond analyses is recommended for the pipe-like structures reported to occur in the vicinity of the kimberlite-bearing 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



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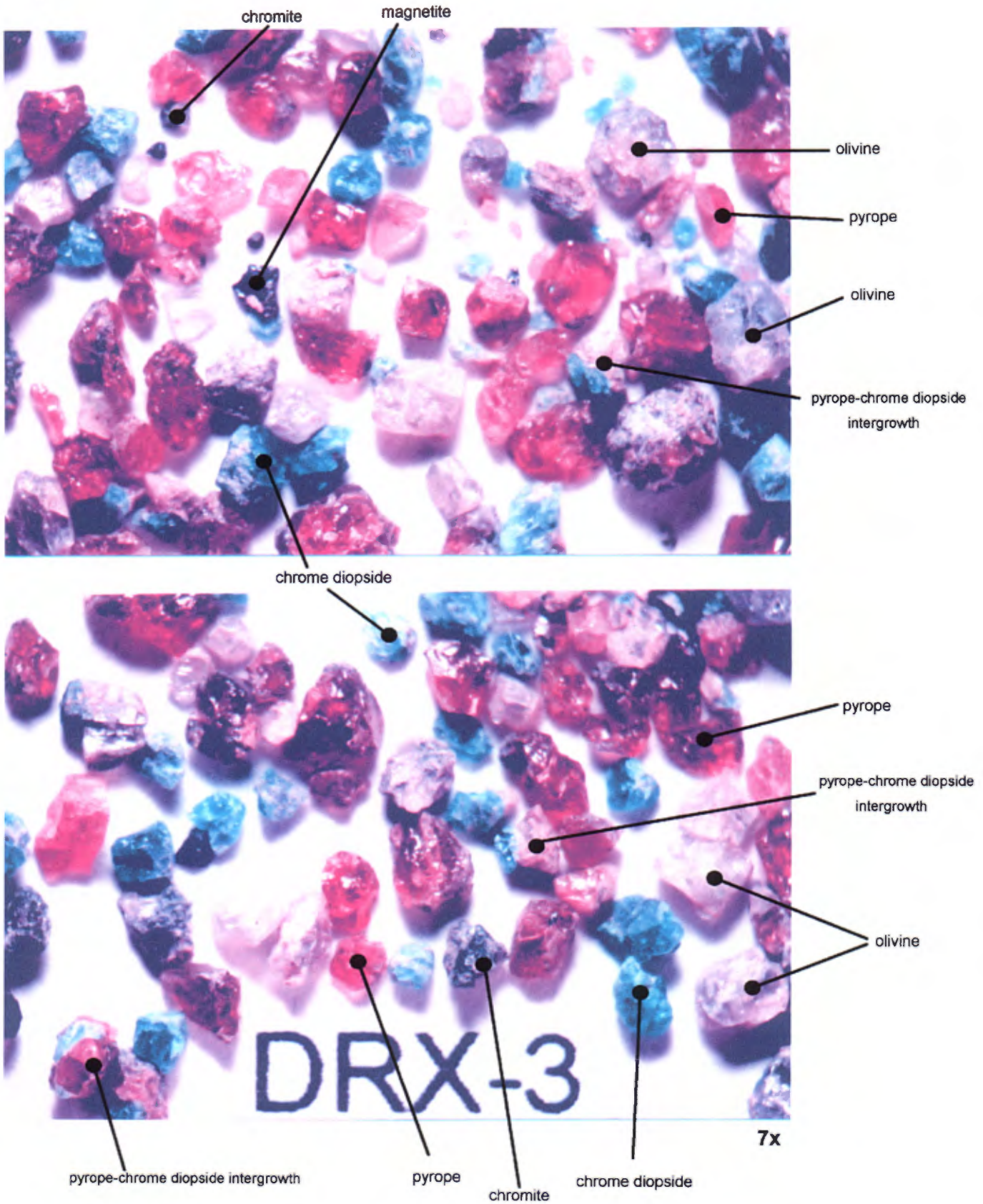
C E R T I F I C A T E

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



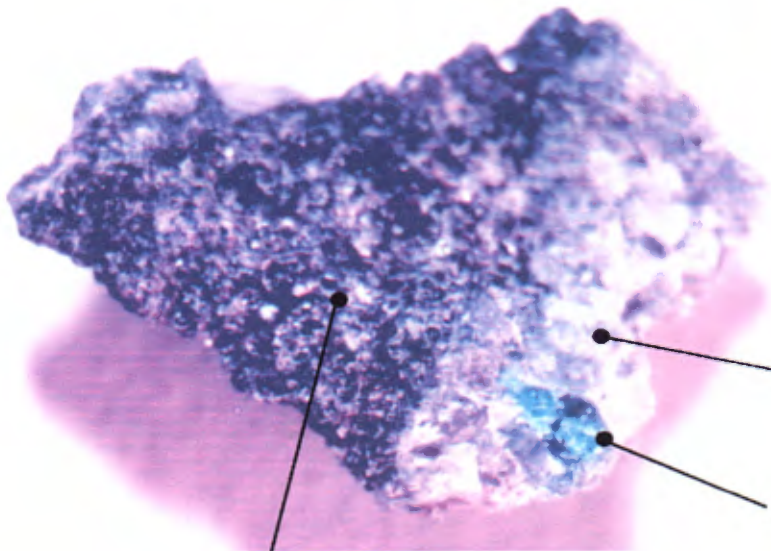
303 corundum grains
in residue



pyrope garnets &
pink corundum

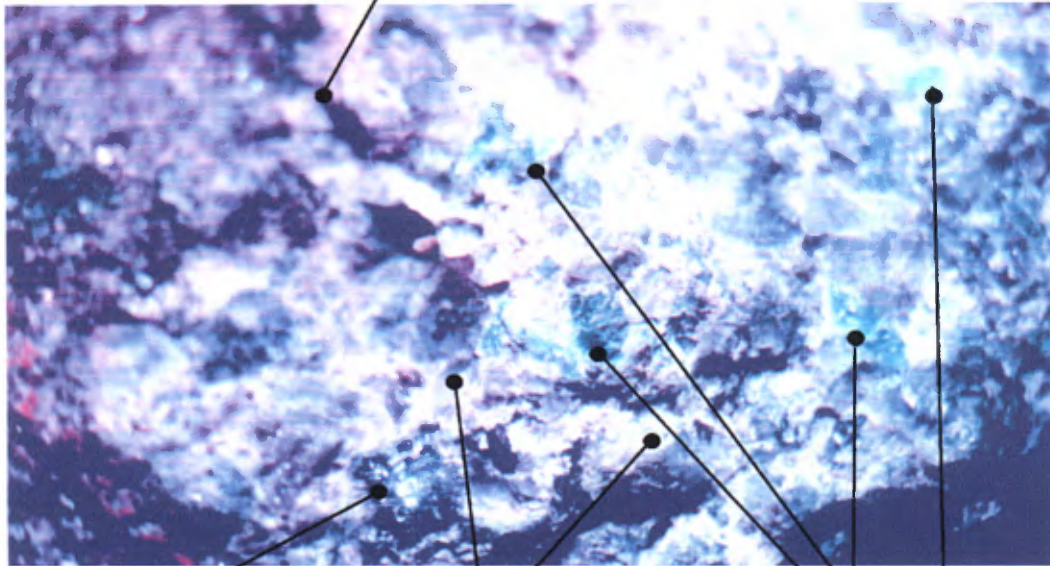
7x

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

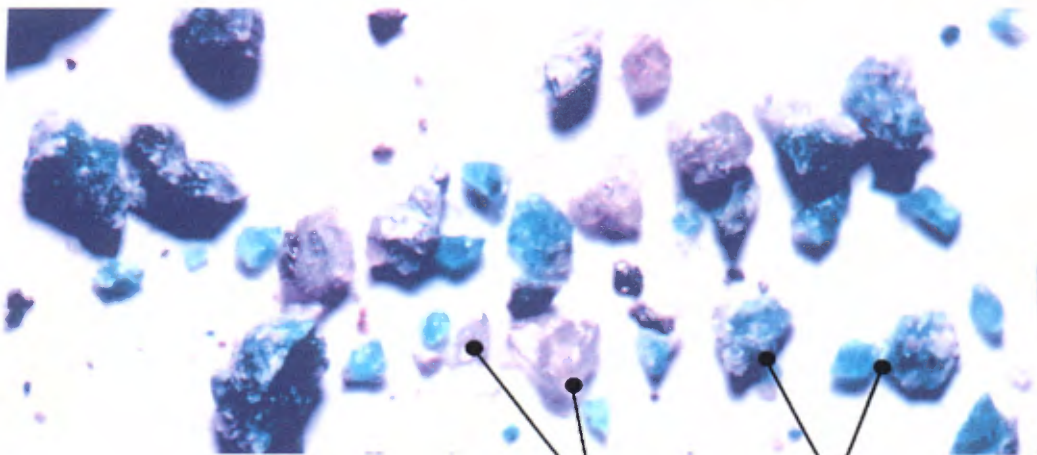


H DIKE
5 x 3 cm NODULE OF
OLIVINE +
CHROME DIOPSIDE
& Ti MAGNETITE

TI MAGNETITE

OLIVINE

CHROME DIOPSIDE



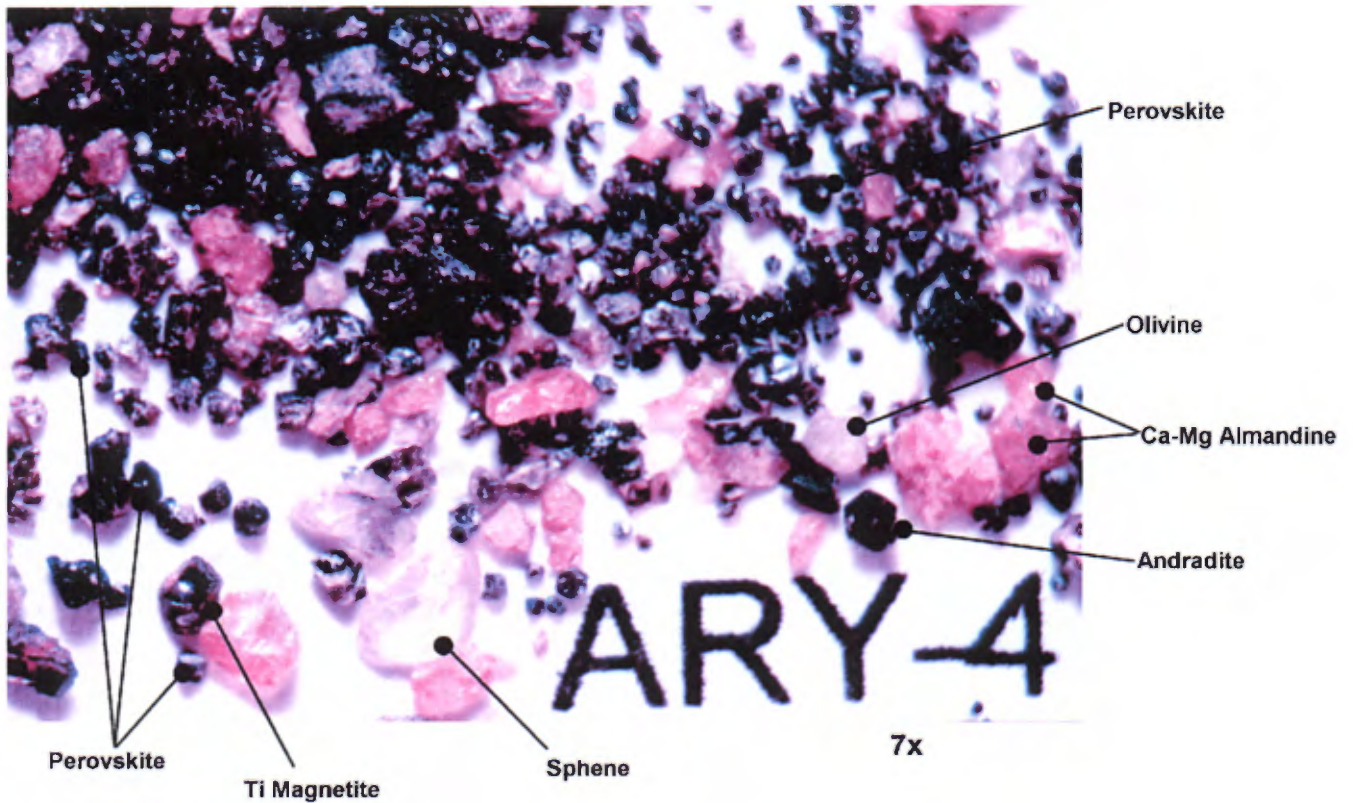
H DIKE
CRUSHED NODULE

OLIVINE

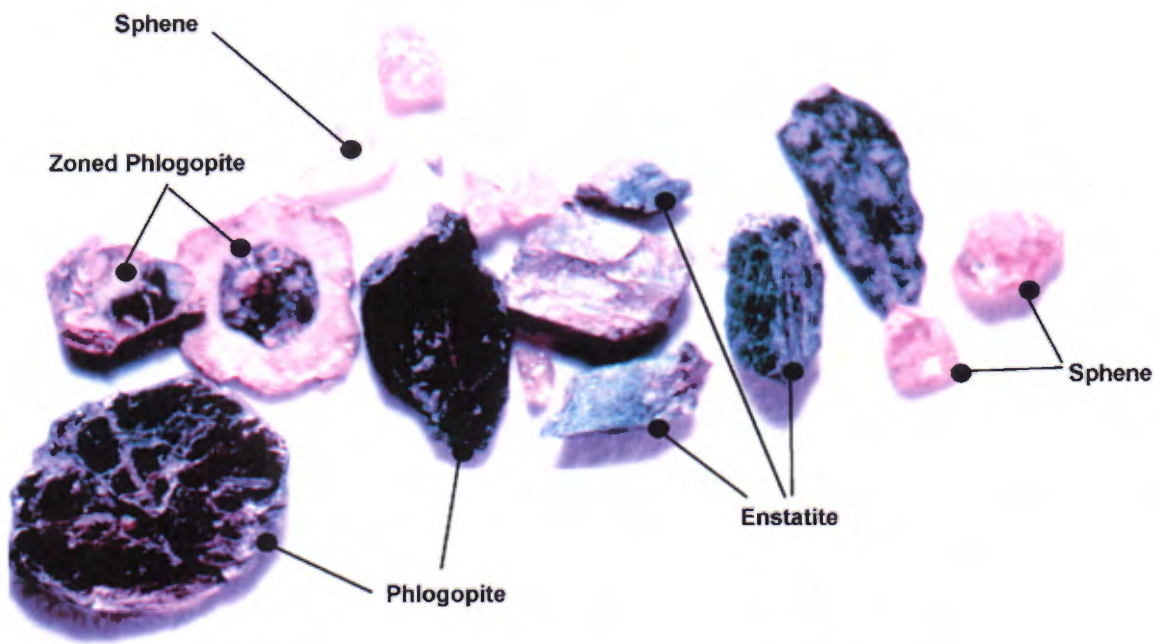
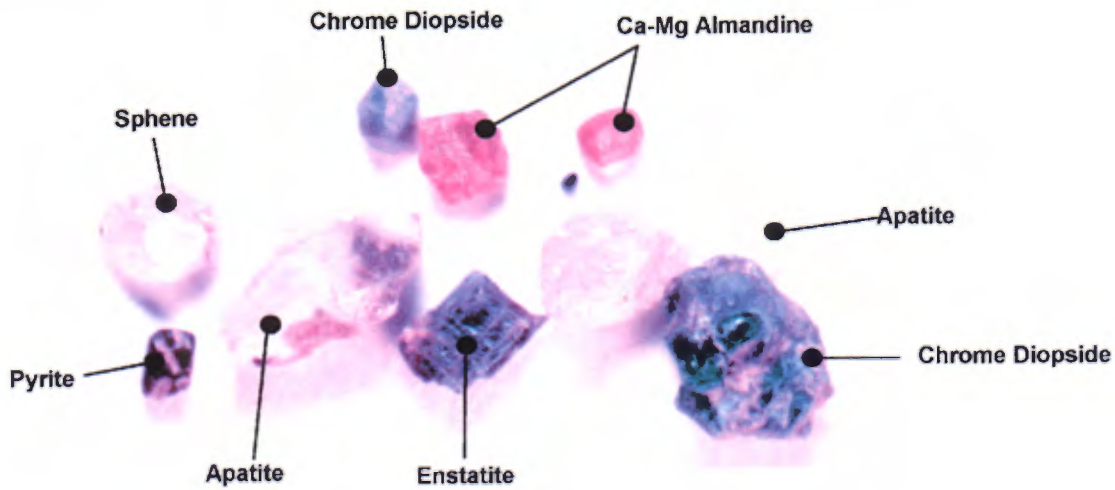
CHROME DIOPSIDE

7x

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

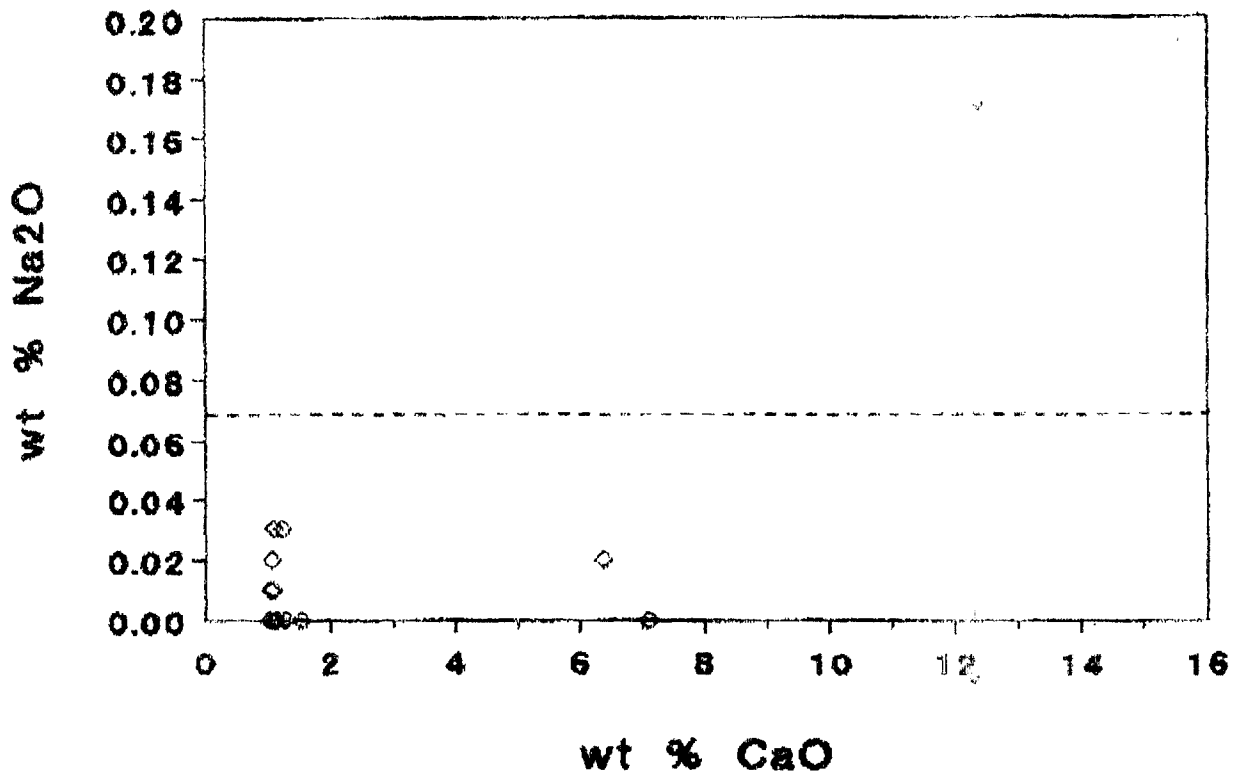


PHOTOGRAPH 4.
SAMPLES 5262 & ARY-4
PEROVSKITE, ANDRADITE, OLIVINE SUITE OF INDICATOR MINERALS
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL



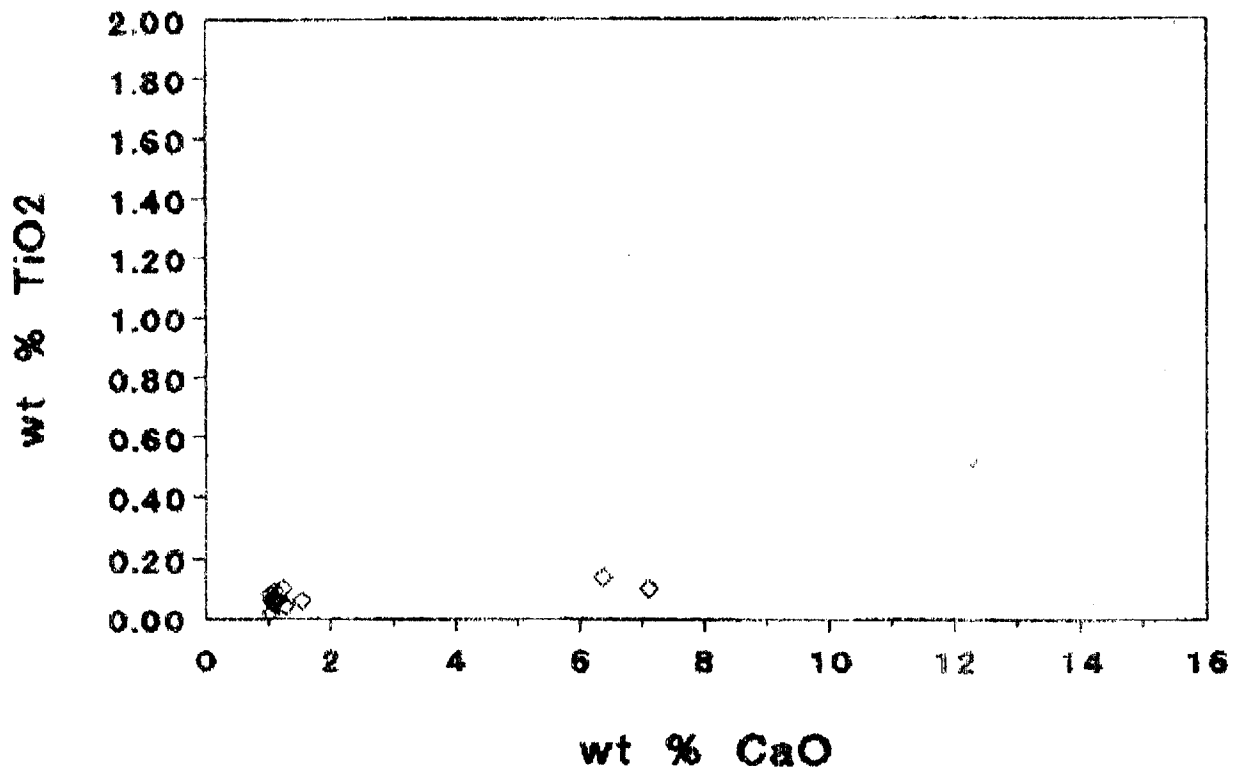
PHOTOGRAPH 5.
DDI-3 SERIES SAMPLES
CHROME DIOPSIDE, PHLOGOPITE, SPHENE, Ca-Mg ALMANDINE
TORNGAT PROJECT, QUEBEC
DIAMOND DISCOVERIES INTERNATIONAL

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



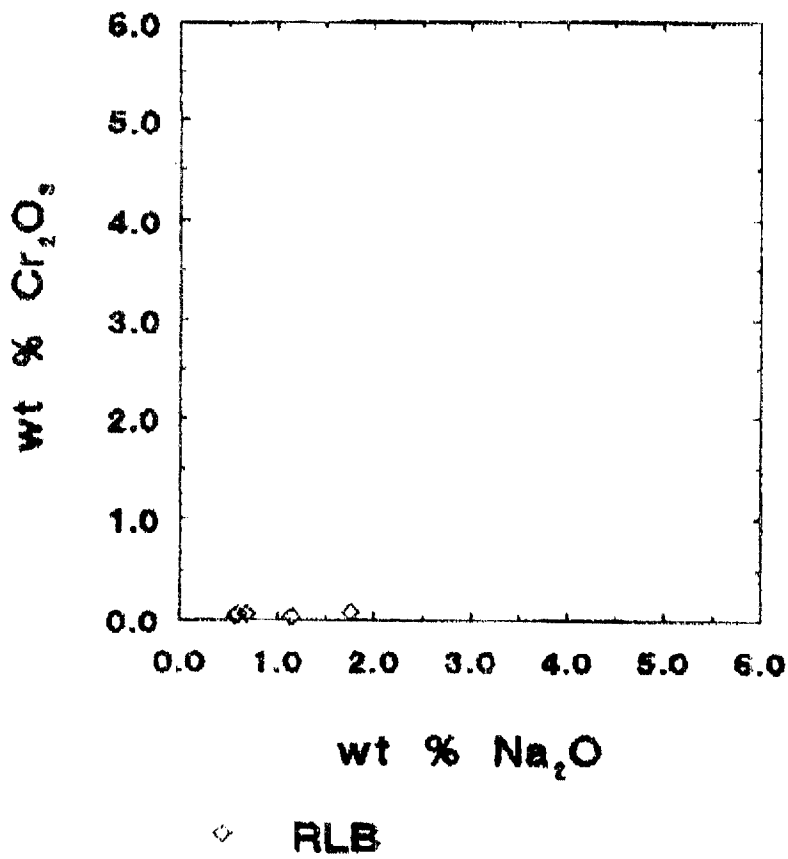
◇ RLB

ECLOGITIC GARNET - DIAMOND DISC. INT. SAMPLE 5294

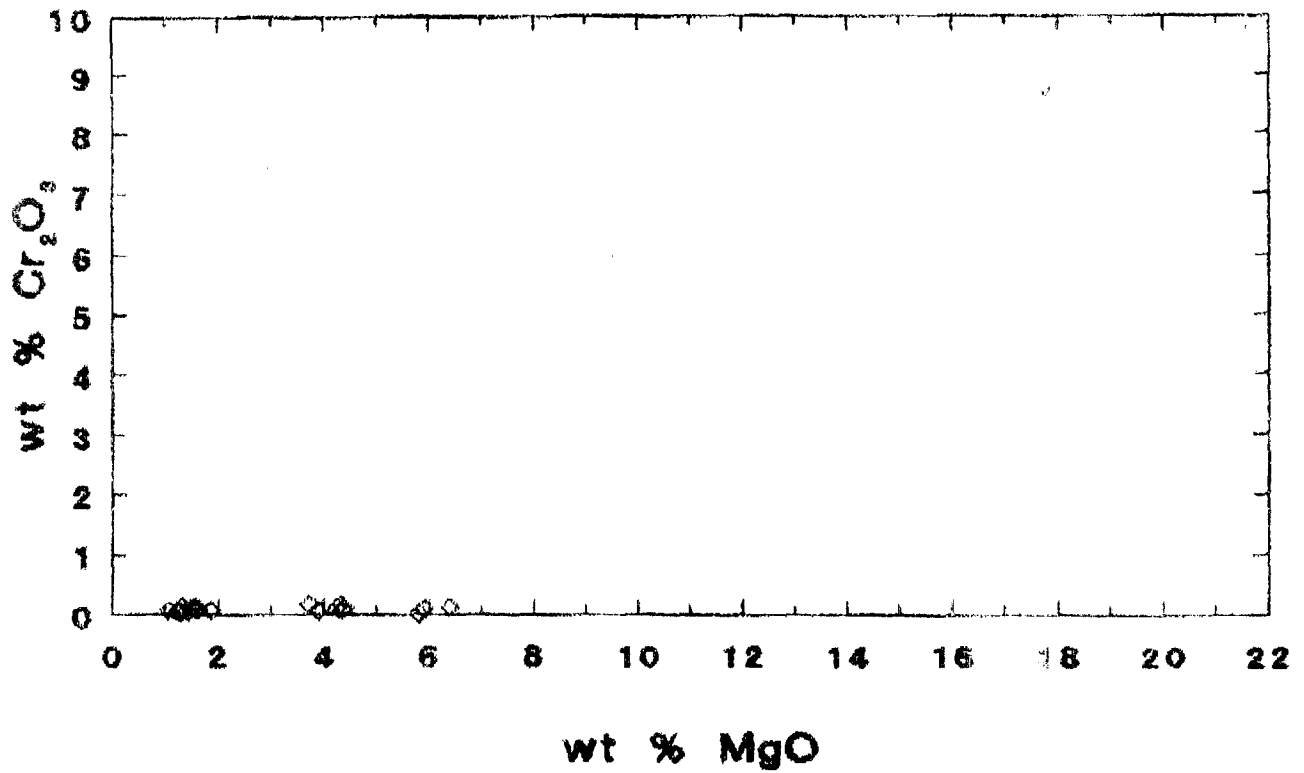


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CLINOPYROXENE - DIAMOND DISC. INT. SAMPLE 5294

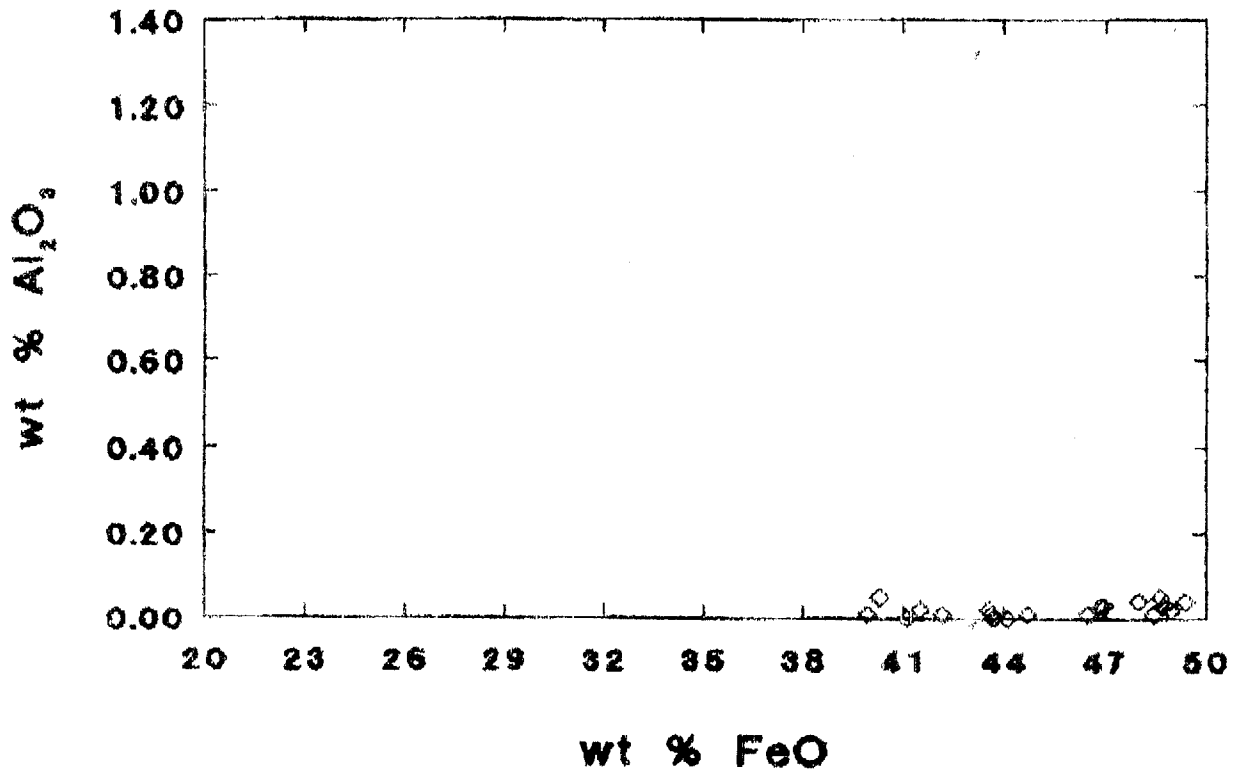


ILMENITE - DIAMOND DISCOVERIES INT. SAMPLE 5294



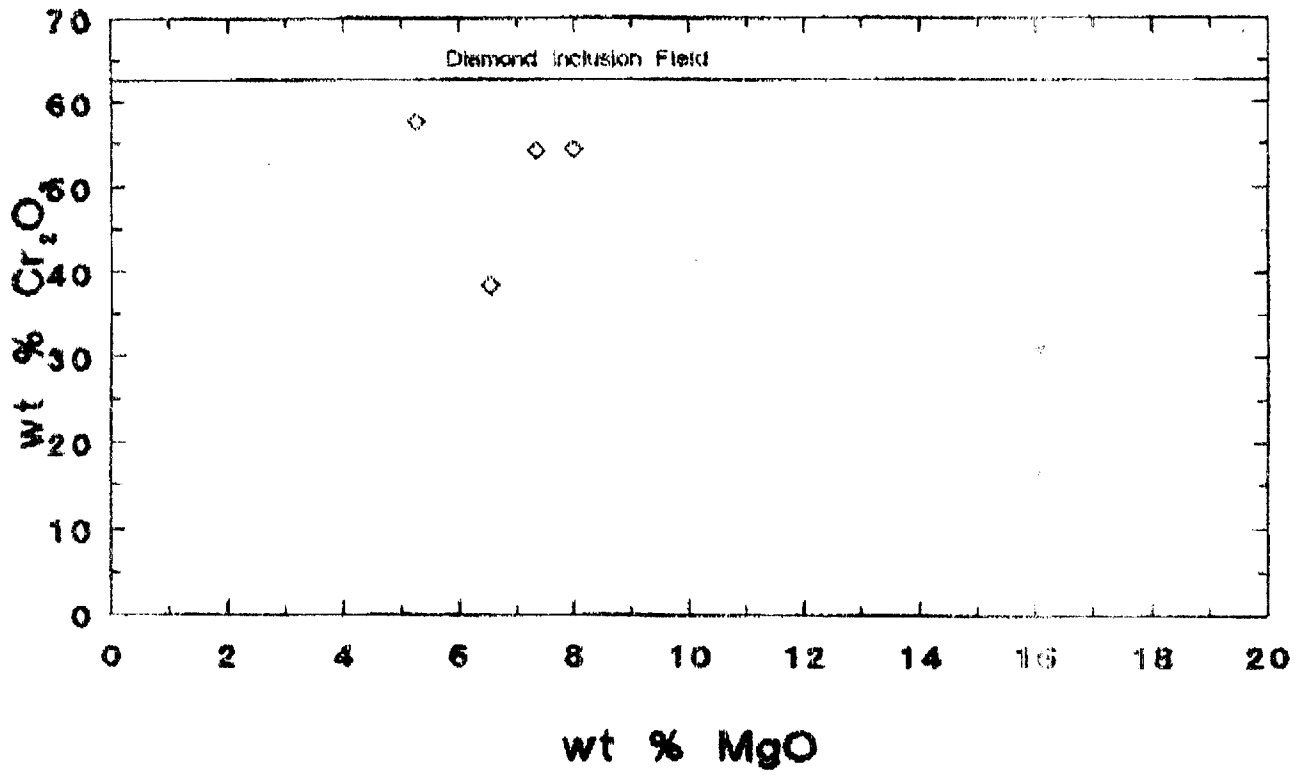
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ILMENITE - DIAMOND DISCOVERIES INT. SAMPLE 5294



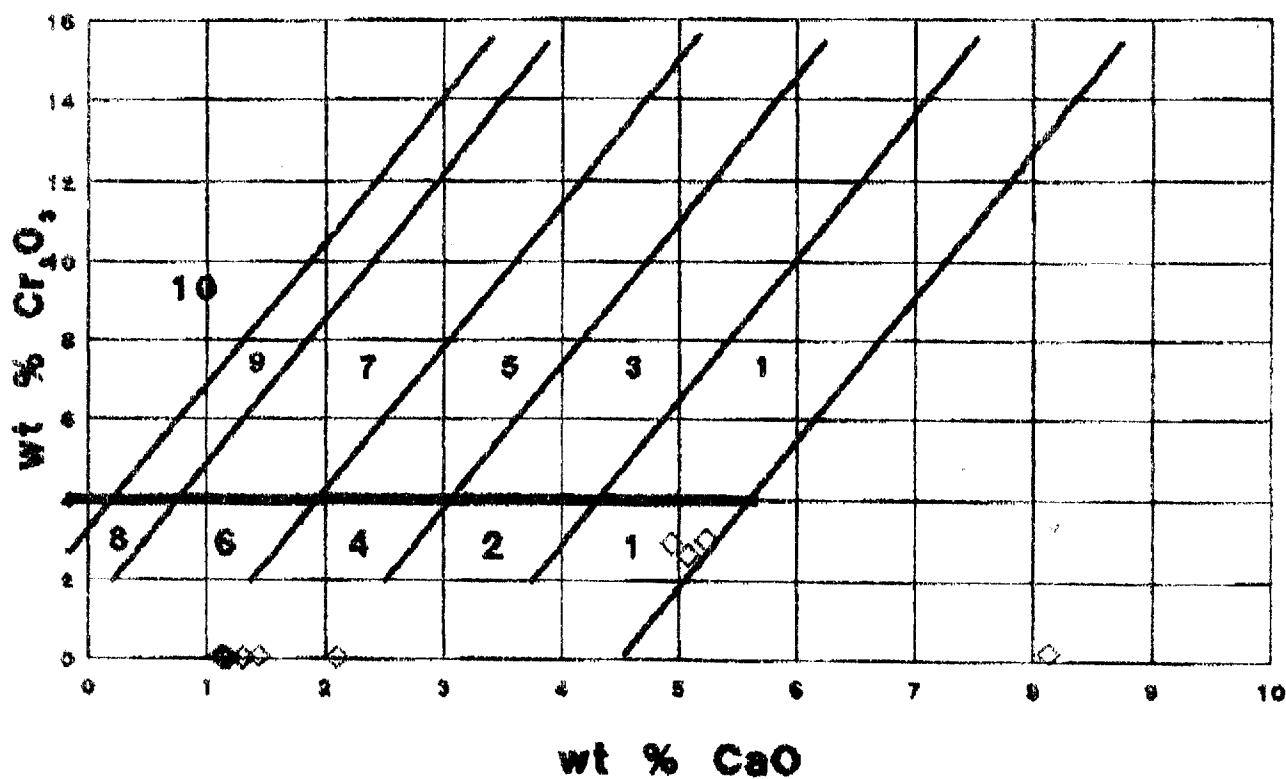
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CHROMITE - DIAMOND DISCOVERIES INT. SAMPLE 5294



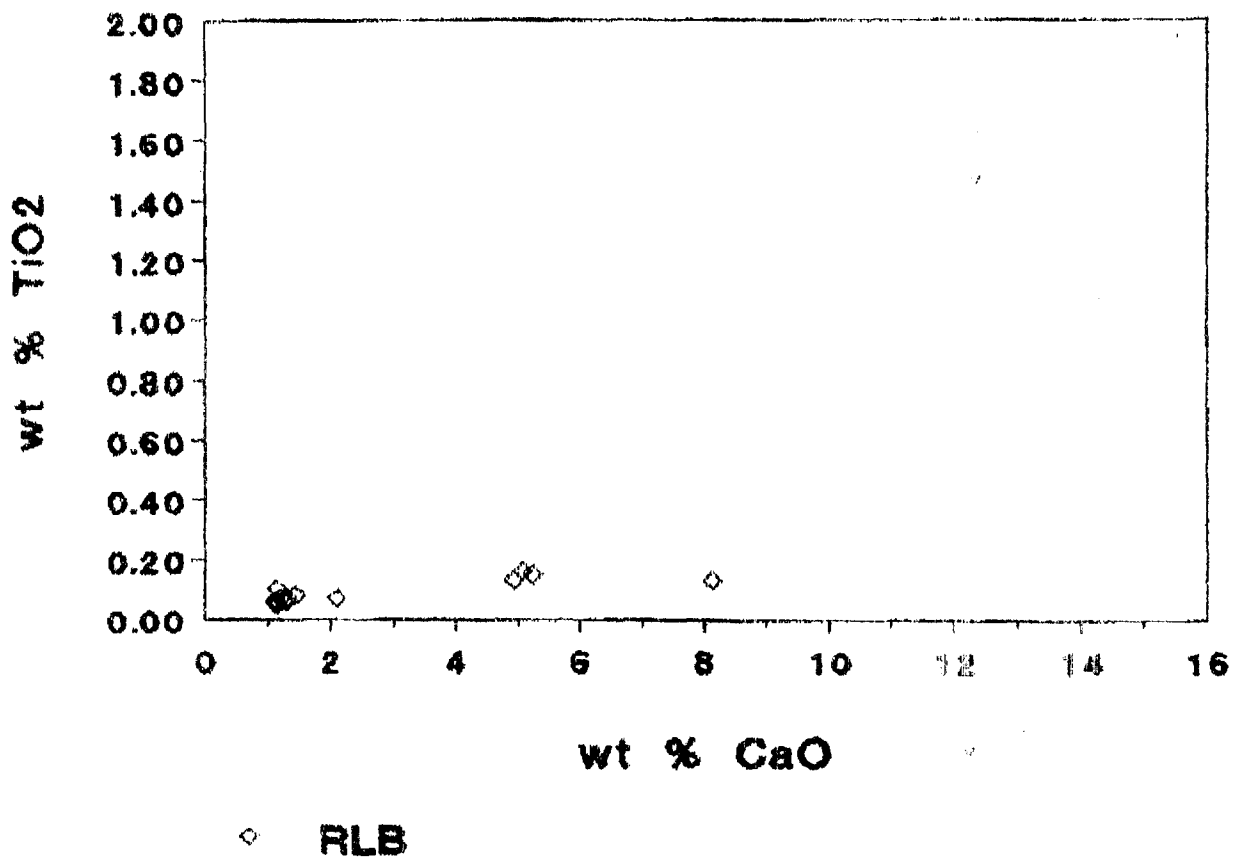
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ECLOGITIC GARNET - DIAMOND DISC. INT. SAMPLE DRX-1

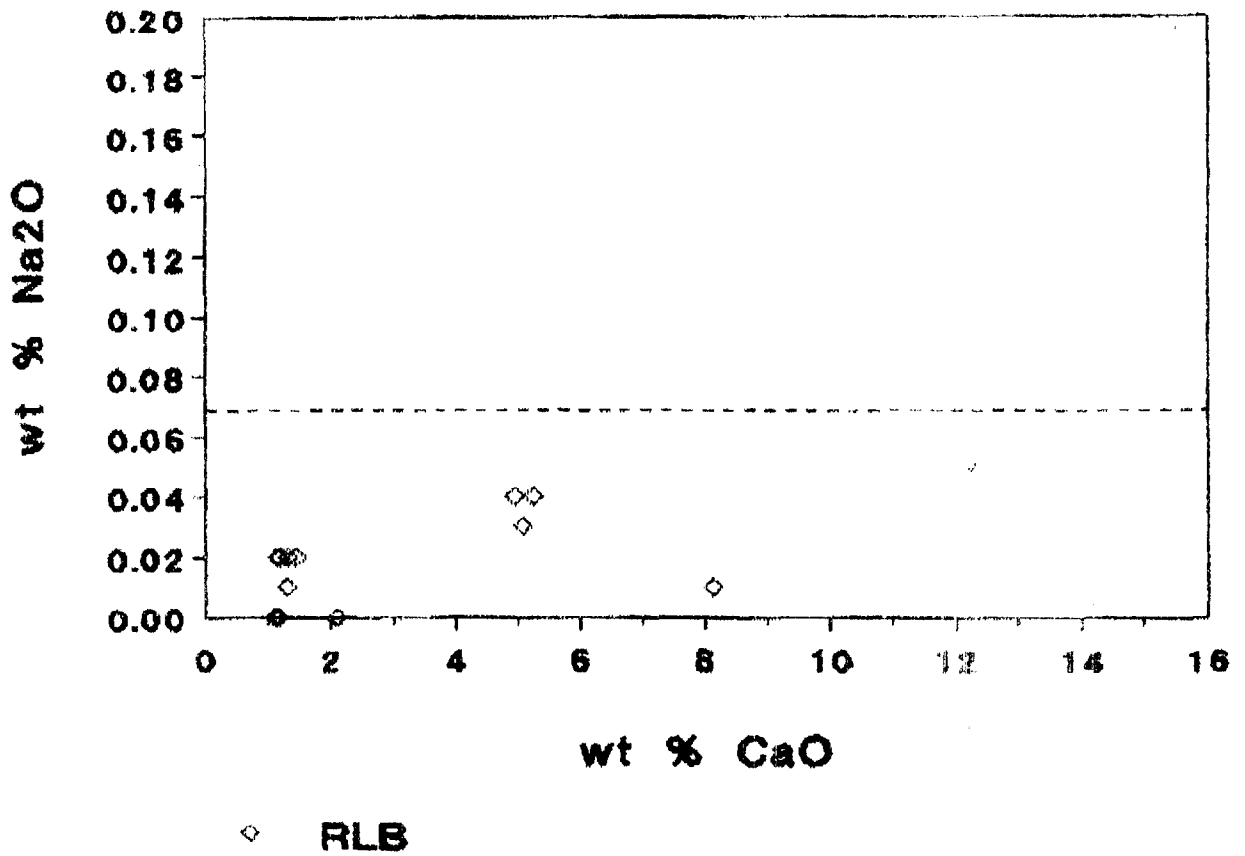


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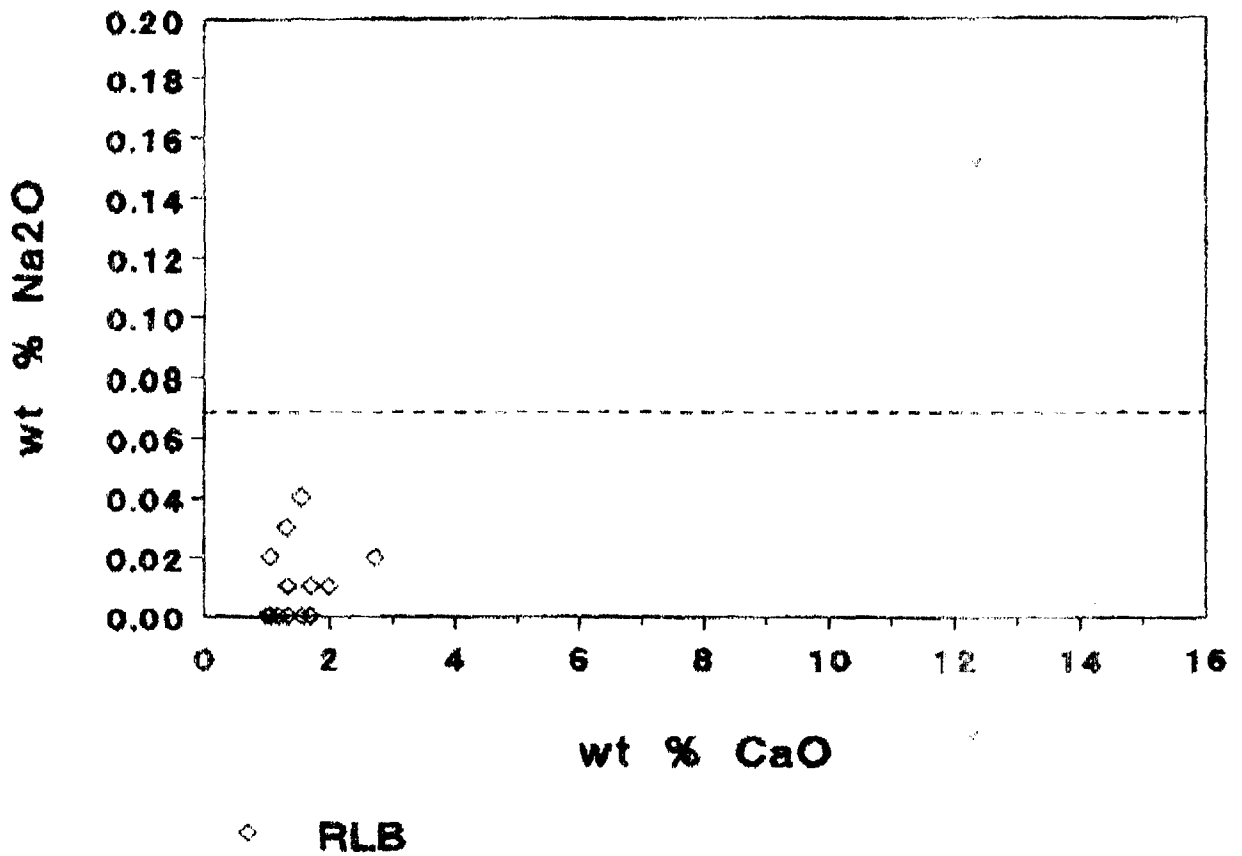
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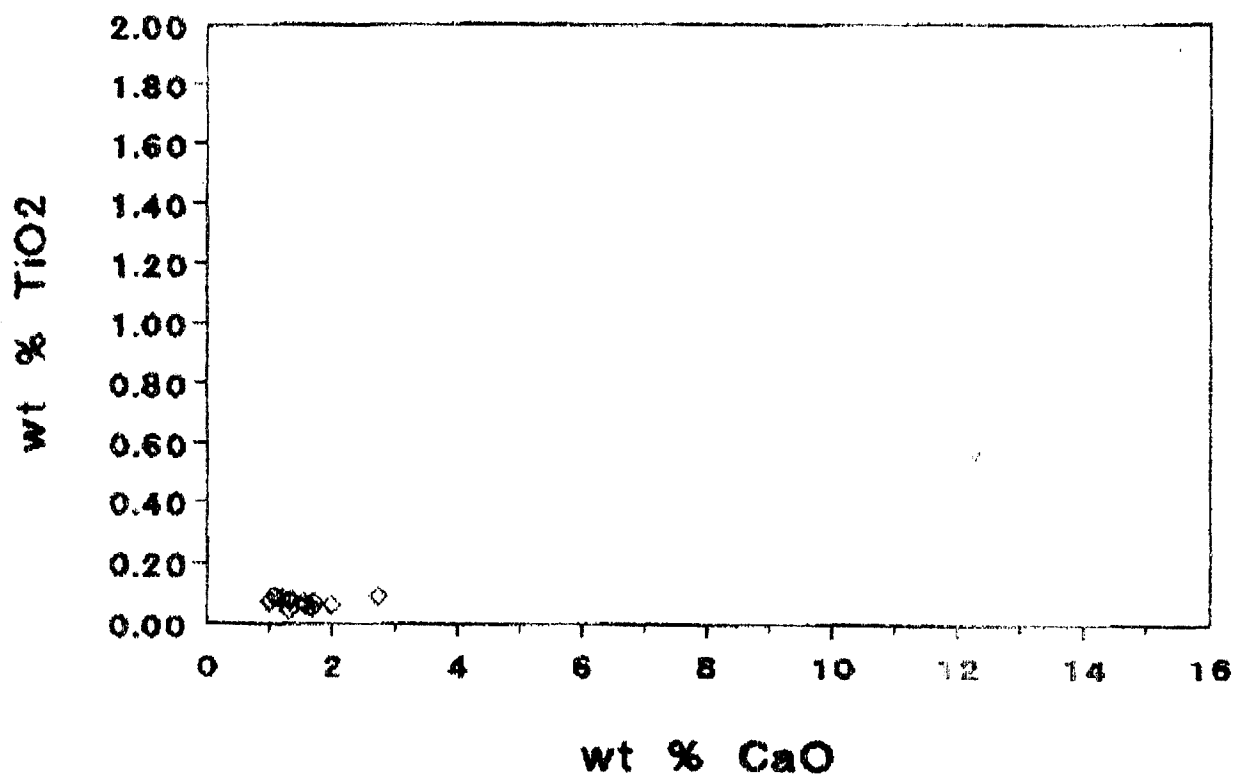
ECLOGITIC GARNET - DIAMOND DISC. INT. SAMPLE DRX-1



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



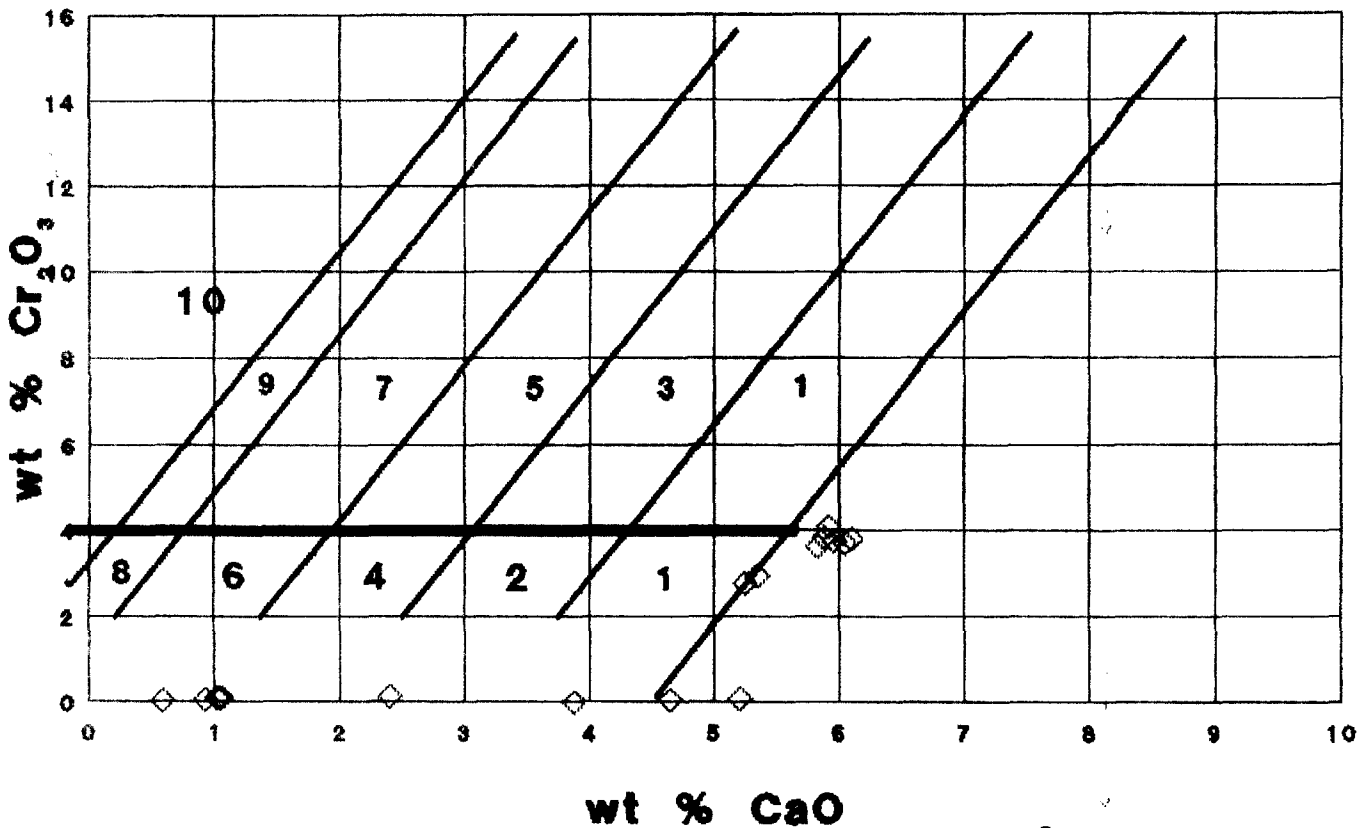
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SAMPLE DRX-2



◇ RLB

GARNET - TORNGAT PROJECT

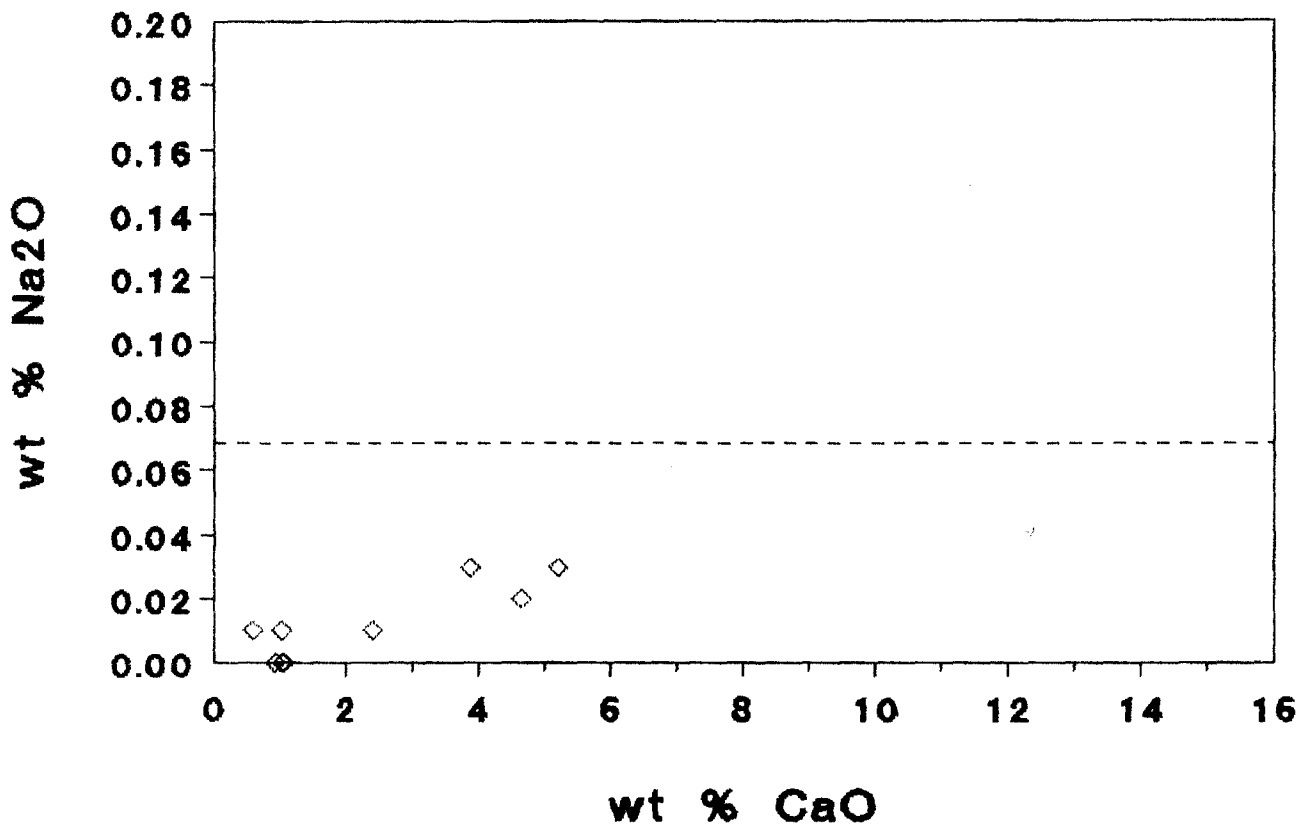
DIAMOND DISCOVERIES INT., (Sept 3 2001)



◇ RLB

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

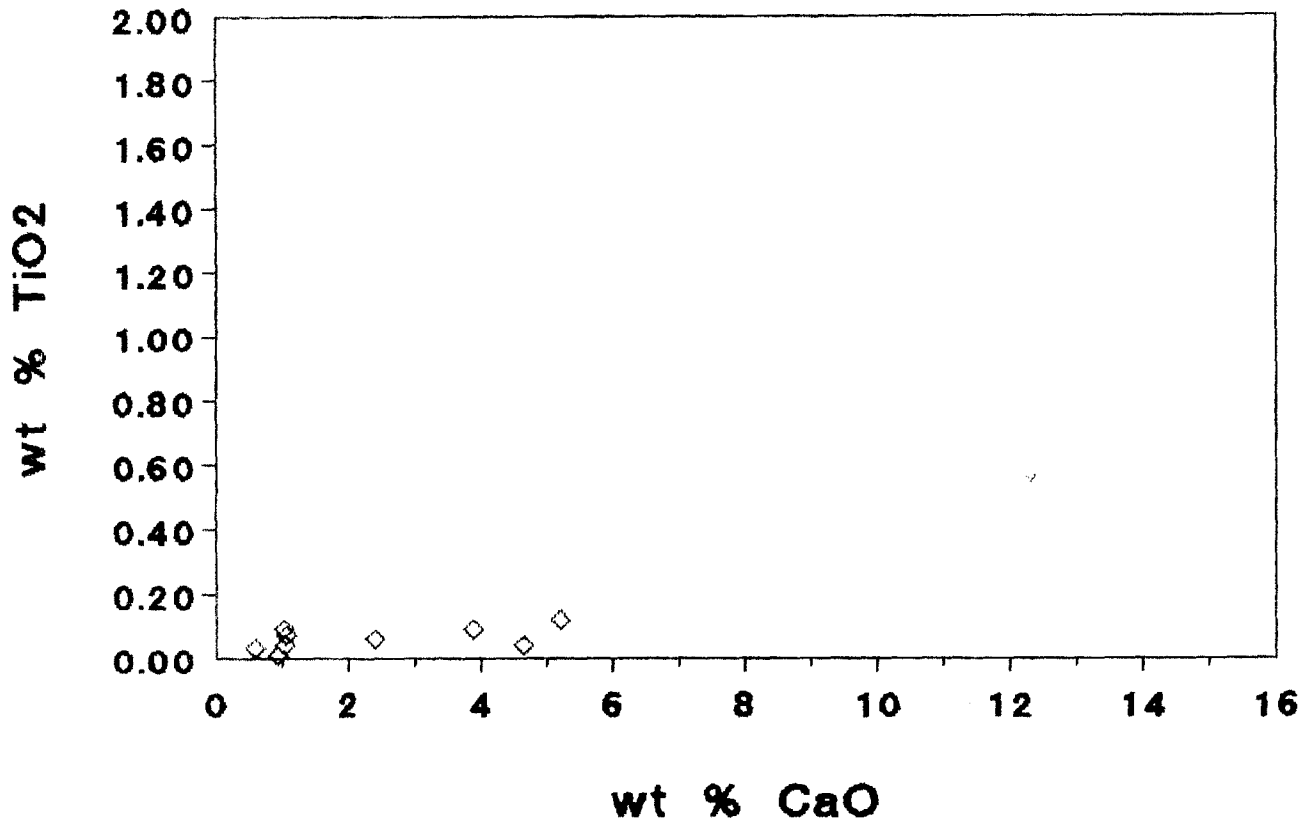
**ECLOGITIC GARNET - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 3 2001)**



◇ 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
AY-2

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

	1	2	3	4	5	6	7	8
SI02	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	22.27	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	100.38	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 6.000	.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 *	.006 *	.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 *	.045 *	.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 9.956	.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	
SiO2	38.87	
TiO2	.01	
Al2O3	22.78	
Cr2O3	.06	
FeO	27.73	
MgO	9.17	
MnO	.42	
CaO	.93	
Na2O	.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.L.B.

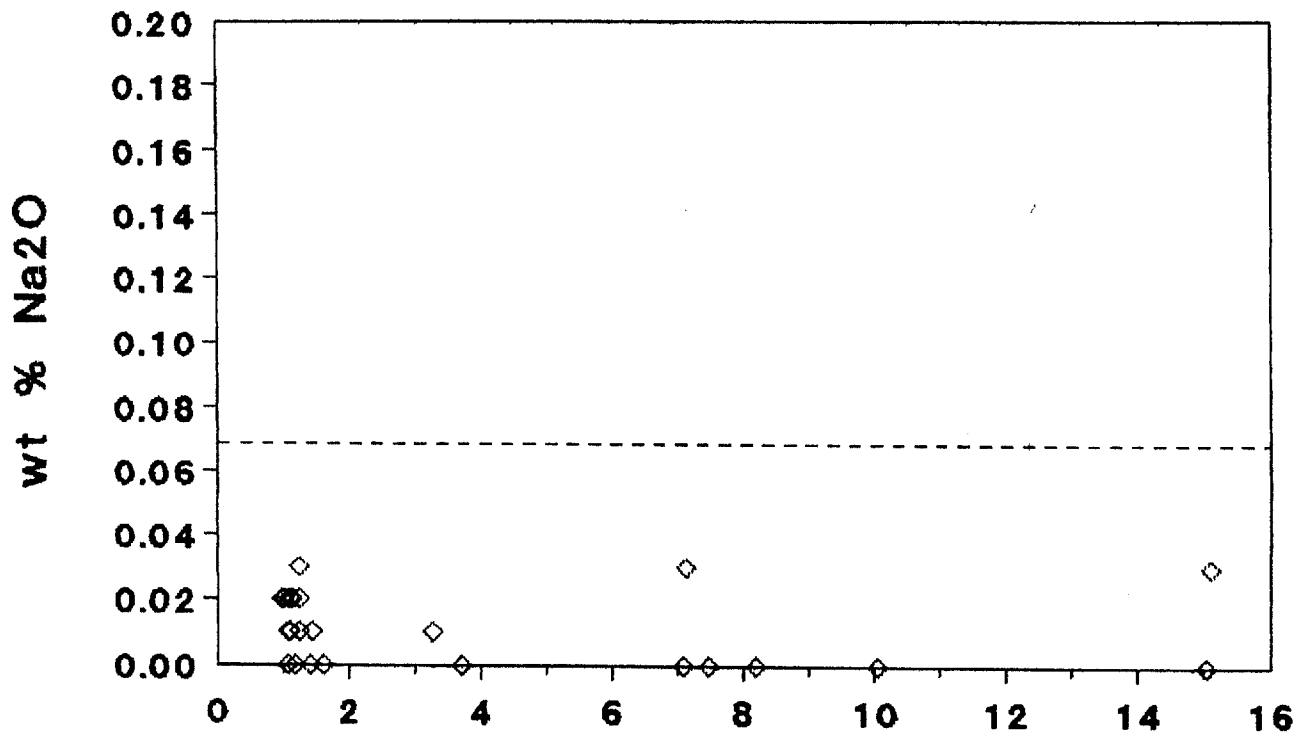
	1	2	3	4	5	6	7	8
SiO2	40.01	39.08	39.19	37.74	38.19	37.51	38.92	38.66
TiO2	.06	.07	.03	.04	.09	.12	.04	.09
Al2O3	23.15	23.07	23.30	21.86	22.25	21.81	23.07	23.29
Cr2O3	.13	.10	.04	.05	.00	.08	.09	.10
FeO	24.01	27.35	25.15	30.61	30.86	30.43	26.93	27.76
MgO	10.36	9.04	10.63	2.98	4.60	2.52	9.45	9.06
MnO	.35	.41	1.00	1.90	.62	2.10	.43	.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 6.001
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 9.97
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)



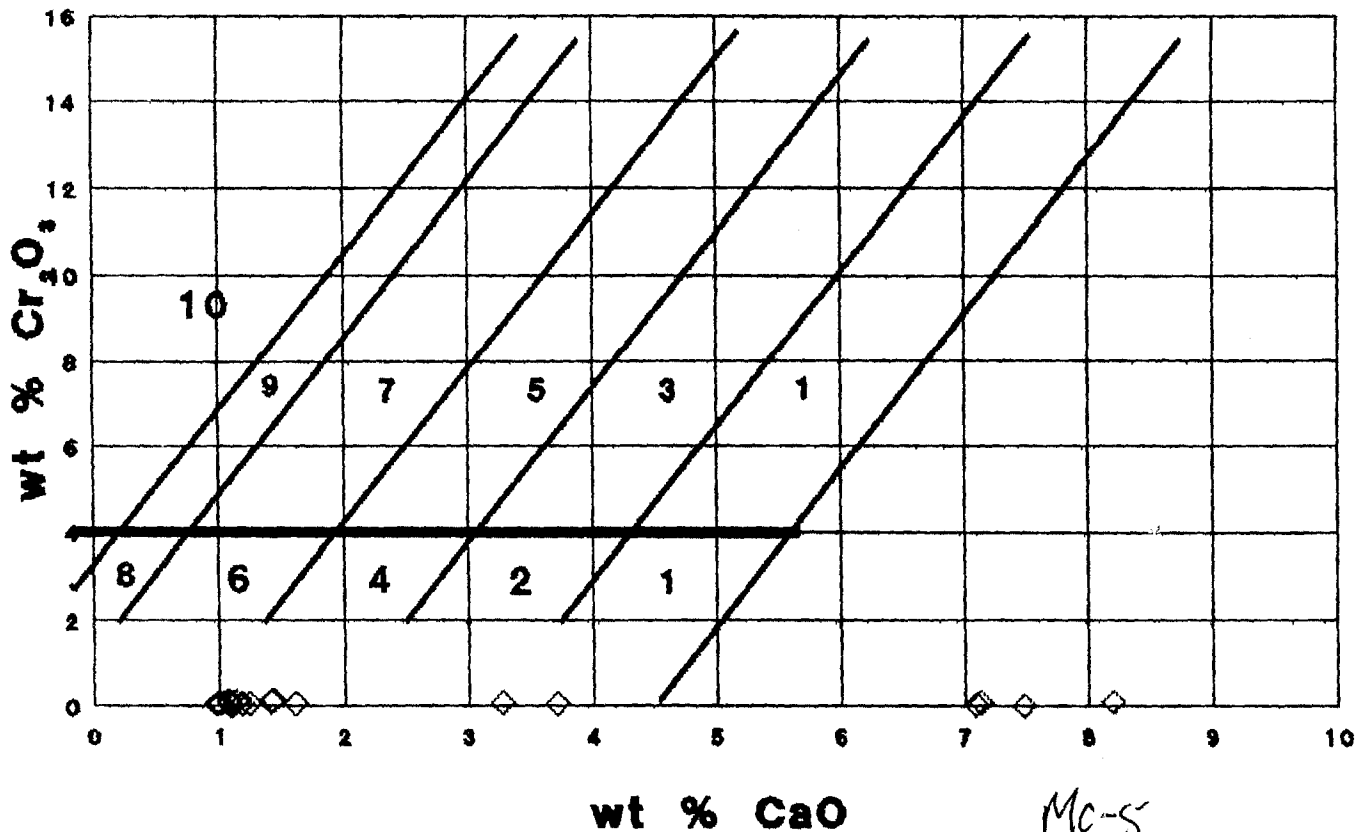
◇ RLB

wt % CaO

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

ECLOGITIC GARNET - TORNGAT PROJECT

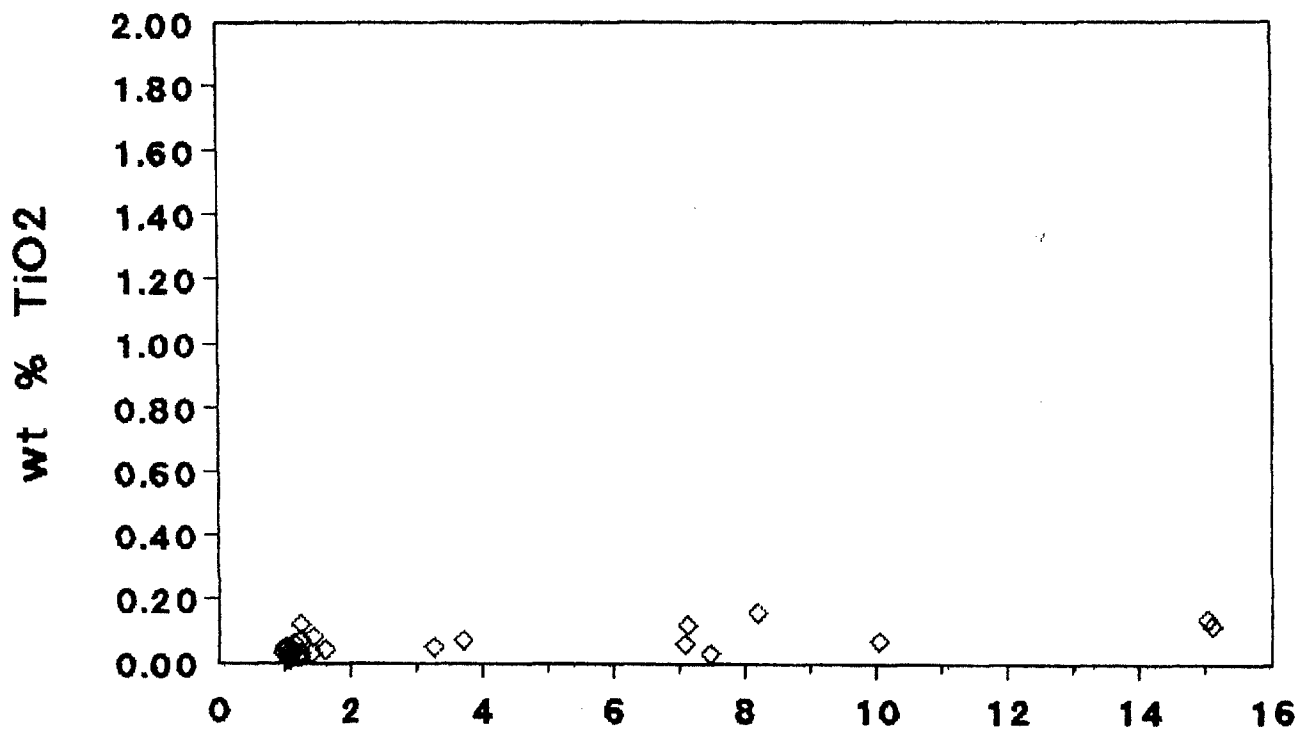
DIAMOND DISCOVERIES INT. (Sept. 11 2001)



◇ 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)**



wt % CaO

◇ RLB

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

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

	9	10	11	12	13	14	15	16
SiO2	38.42	38.10	38.87	39.04	39.24	37.81	39.52	38.05
TiO2	.08	.12	.02	.03	.02	.06	.04	.12
Al2O3	22.81	22.60	22.71	22.63	22.67	21.62	22.86	21.35
Cr2O3	.13	.06	.06	.07	.07	.03	.05	.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
MnO	.55	.89	.78	.51	.65	.77	.36	1.69
CaO	1.43	1.24	1.24	1.24	1.18	7.09	.59	15.11
Na2O	.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
Al	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 *
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
O	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	1.381	22.734
F/YM	.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
SI02	38.78	39.01	37.60	38.37	38.72	39.86	39.23	39.35
TIO2	.03	.04	.12	.16	.07	.03	.06	.04
Al2O3	23.15	22.13	21.34	22.36	22.78	23.01	23.15	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	9.81	9.61	8.51
MnO	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
Na2O	.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	.001 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 *	.004 *	.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	1.591	1.582	1.85
F/FN	.664	.739	.942	.806	.764	.603	.613	.64

- 1 SAMPLE MC-5 GRAIN 1
- 2 SAMPLE MC-5 GRAIN 2
- 3 SAMPLE MC-5 GRAIN 3
- 4 SAMPLE MC-9 GRAIN 3
- 5 SAMPLE MC-10 GRAIN 1
- 6 SAMPLE MC-10 GRAIN 2
- 7 SAMPLE MC-10 GRAIN 4
- 8 SAMPLE MC-10 GRAIN 5

Ca-Mg ALMANDINE
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 Ca ALMANDINE
 Ca-Mg ALMANDINE
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 1
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GARNET, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R.L.B.

	1	2	3	4	5	6	7	8
SI02	38.78	39.01	37.60	38.37	38.72	39.86	39.23	39.35
TI02	.03	.04	.12	.16	.07	.03	.06	.04
A203	23.15	22.13	21.34	22.36	22.78	23.01	23.15	23.17
U203	.11	.06	.08	.10	.06	.05	.11	.02
FED	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	9.81	9.61	8.51
HNO	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
NA2O	.00	.00	.03	.00	.03	.02	.07	.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	.000 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 *	.006 *	.013 *	.002 *
FE	3.524 *	3.916 *	4.253 *	3.335 *	4.050 *	3.323 *	3.402 *	3.535 *
MN	.142 *	.123 *	.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/H	1.979	2.838	16.277	4.150	3.238	1.521	1.582	1.85
F/FH	.664	.739	.942	.806	.764	.603	.613	.64

- 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.L.B.

	9	10	11	12	13	14	15	16
SI02	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
P203	22.81	22.60	22.71	22.63	22.67	21.62	22.88	21.35
C203	.13	.06	.06	.07	.07	.03	.09	.08
FE0	31.19	31.27	30.19	29.32	28.74	30.78	27.85	23.41
MO0	5.81	5.67	6.27	7.56	7.39	1.91	8.42	.62
MM0	.55	.89	.78	.51	.65	.77	.38	1.59
CA0	1.43	1.24	1.24	1.24	1.18	7.09	.99	15.11
NA30	.01	.01	.02	.02	.00	.00	.02	.03
SUM	100.45	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	.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	*
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	*
MM	.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
Q	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		9.271		1.881		22.734	
F/FM	.754		.761		.735		.689		.691		.905		.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	.07	.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	5.13	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 9.953	.000 10.010	.006 9.910	.000 9.927	.003 9.913	.000 9.868	.006 9.90
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/EM	.911	.960	.951	.726	.613	.607	.767	.612

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

GARNET, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R 1.3.

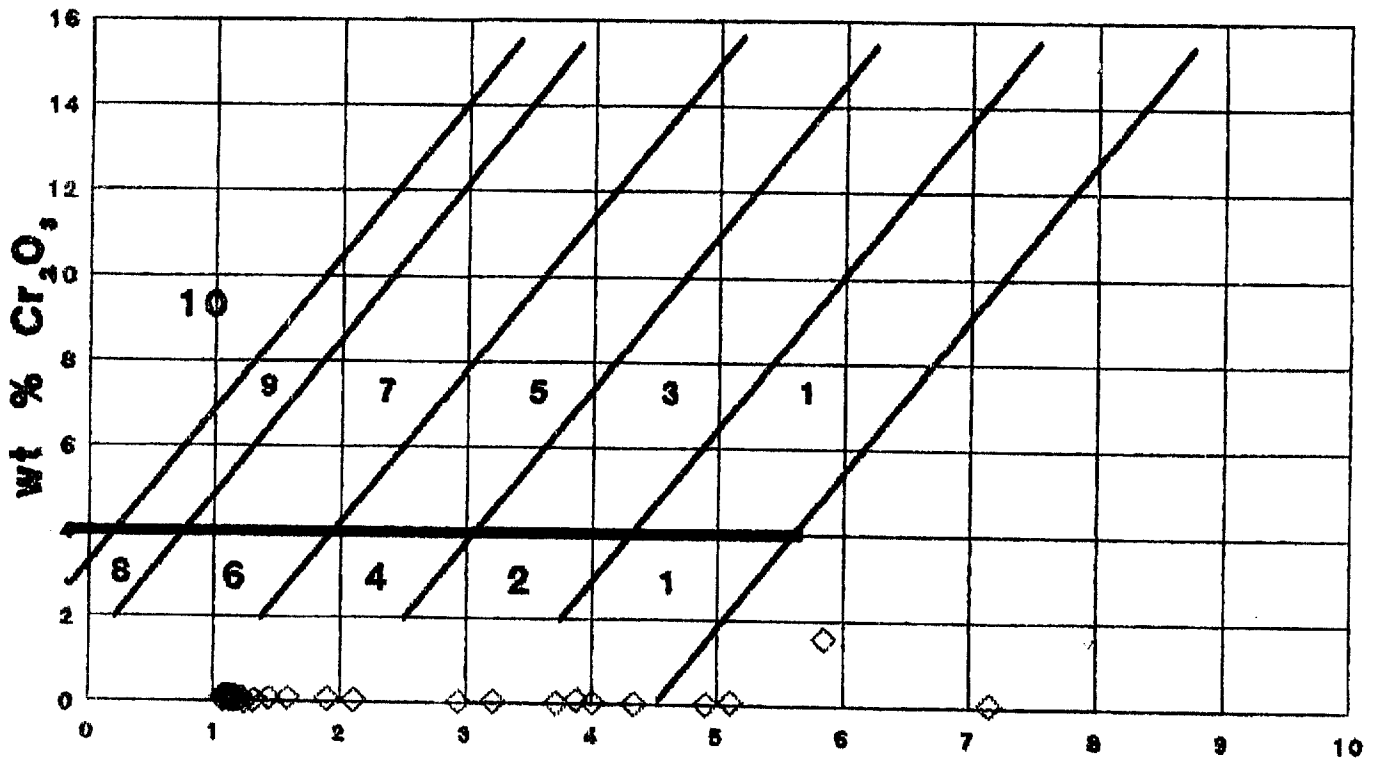
	25		26	
SiO2	39.03		38.30	
TiO2	.02		.05	
Al2O3	22.98		22.36	
Cr2O3	.05		.08	
FeO	28.54		30.01	
MgO	8.32		4.56	
MnO	.43		1.53	
CaO	1.08		3.27	
Na2O	.02		.01	
SUM	100.57		100.17	
SI	5.979	*	6.007	*
AL	.021	6.000	.000	6.007
AL	4.127	*	4.133	*
TI	.002	*	.006	*
CR	.006	*	.010	*
FE	3.669	*	3.937	*
MN	.056	*	.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/PM	.652		.795	

25 SAMPLE MCW-8 GRAIN 2
 26 SAMPLE MCW-8 GRAIN 3

Ca-Mg ALMANDINE ECLOGITE?
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GARNET - DIAMOND DISCOVERIES INT.

TORNGAT PROJECT November 15 2001

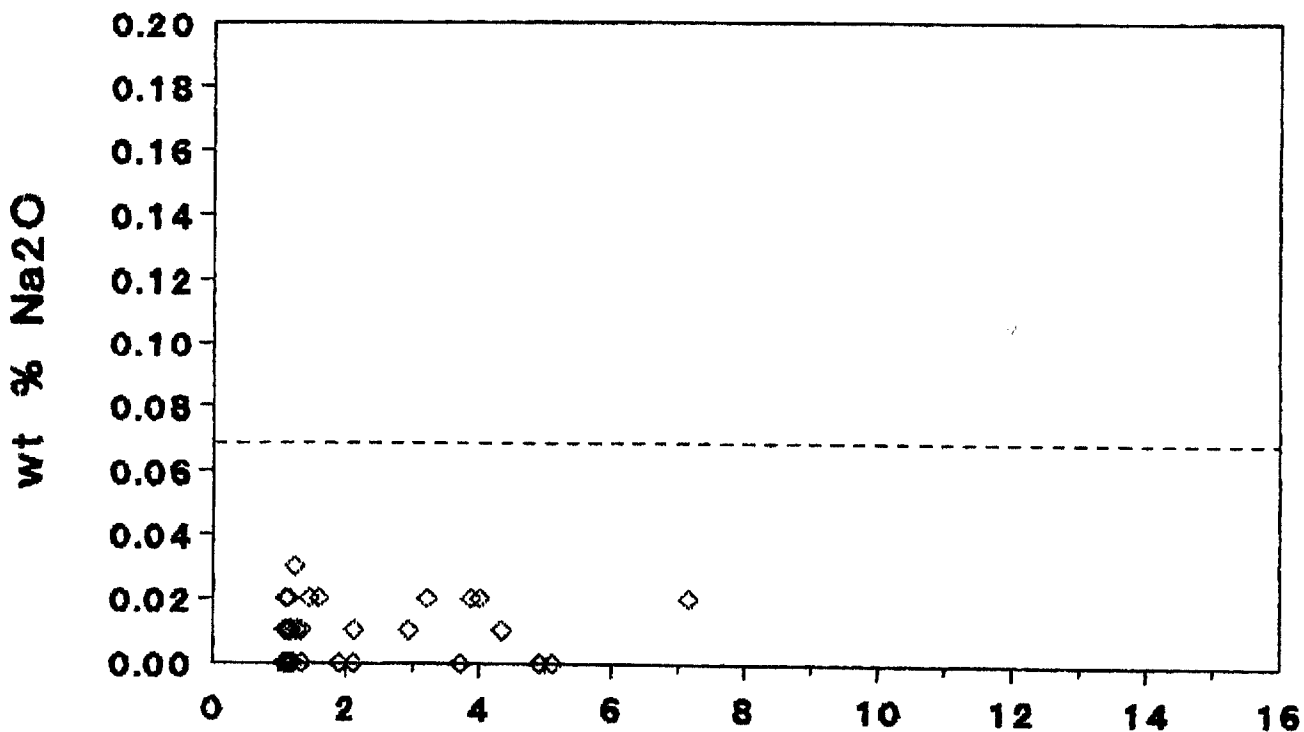


◇ RLB

HRRX-10 (H2-10)
 XP-8
 5262

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)
 ARV-4
 CROSS DIKE F' (CDF)
 MC-10

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



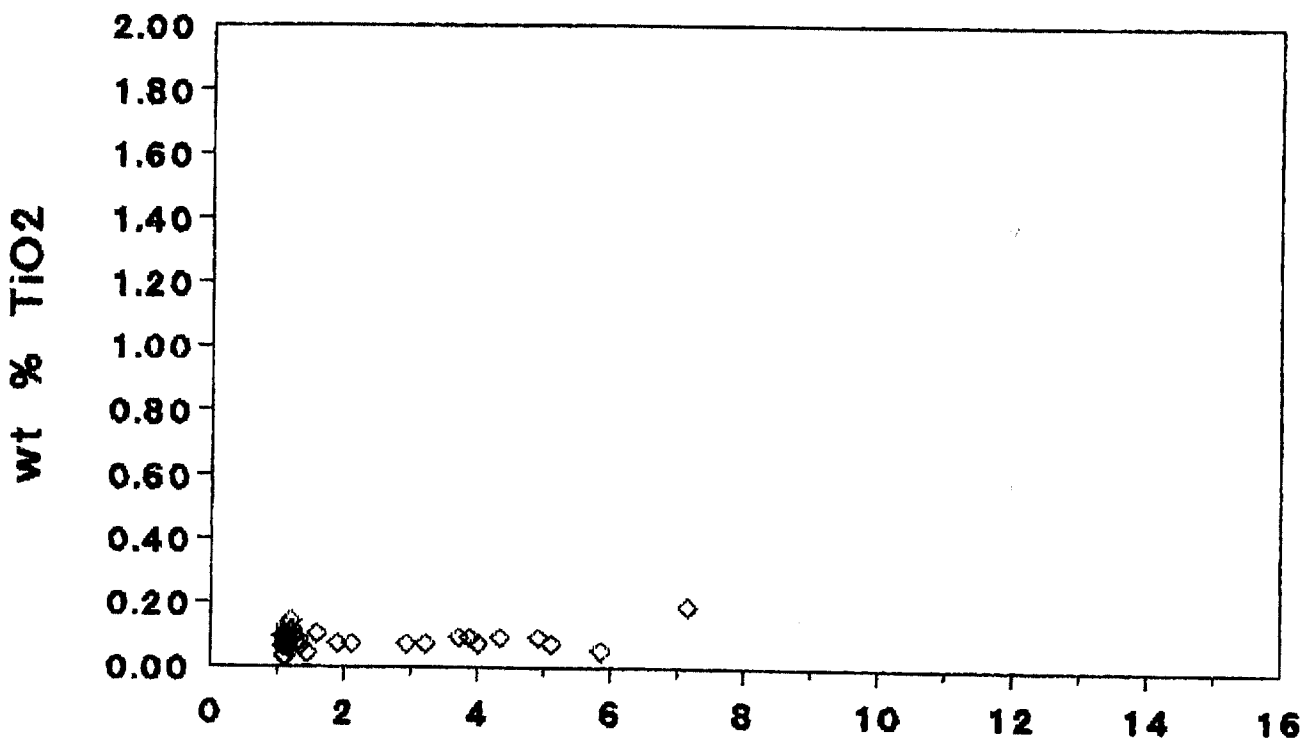
◇ RLB

wt % CaO

XP-8
5262

DR1-3-30 (3-30)
DR1-3-32 (3-32)
DR1-3-33 (3-33)
DR1-3-34 (3-34)
DR1-3-39 (3-39)
AR4-4
CROSS DIKE (F) (CPF)
MC-10
H2RX-10 (H2-10)

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



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
 CROSSDIKE F (CDF)
 MC-10
 H2RX-10 (H2-10)

◇ RLB

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

	1	2	3	4	5	6	7	8
SI02	38.32	38.03	37.66	38.19	38.19	38.49	38.12	38.04
TI02	.07	.10	.07	.08	.09	.06	.10	.09
A203	21.59	22.41	21.61	22.28	22.02	22.67	22.30	21.58
C203	.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
MGD	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	2.79
F/FM	.724	.664	.724	.684	.716	.591	.667	.7

- 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 6.000
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 9.934
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
NGO	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
NA20	.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 6.000
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 9.965
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	2.095	1.322	1.550
F/FM	.732	.809	.625	.635	.568	.677	.569	.600

- 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
FEO	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
MNO	.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 6.00
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 10.0
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	2.27
F/FM	.837	.695	.603	.668	.601	.741	.741	.69

- 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
SI02	41.43	38.98
TI02	.05	.10
A203	22.84	22.33
C203	1.60	.14
FE0	9.07	26.84
MGO	18.94	10.12
MND	.56	.29
CA0	5.85	1.11
NA20	.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. 8 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	54.24	54.21
TiO2	.24	.04	.21	.15	.09	.25	.19	.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	100.23	100.26	100.12

Si	1.963	*	1.977	*	1.968	*	1.954	*	1.976	*	1.961	*	1.961	*	1.961	*
Al	.037	2.000	.023	2.000	.032	2.000	.046	2.000	.024	2.000	.019	2.000	.035	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	*	.130	*	.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
O	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*	6.000	*
F/M		.053		.057		.056		.056		.063		.069		.098		.05
F/FM		.050		.054		.053		.053		.059		.090		.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

Cr 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
CrO3	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	6.66
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 *
MR	.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 2.028
O	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *
F/N	.053	.062	.054	.053	.189	.220	.269	.381
F/M	.050	.059	.051	.050	.159	.184	.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

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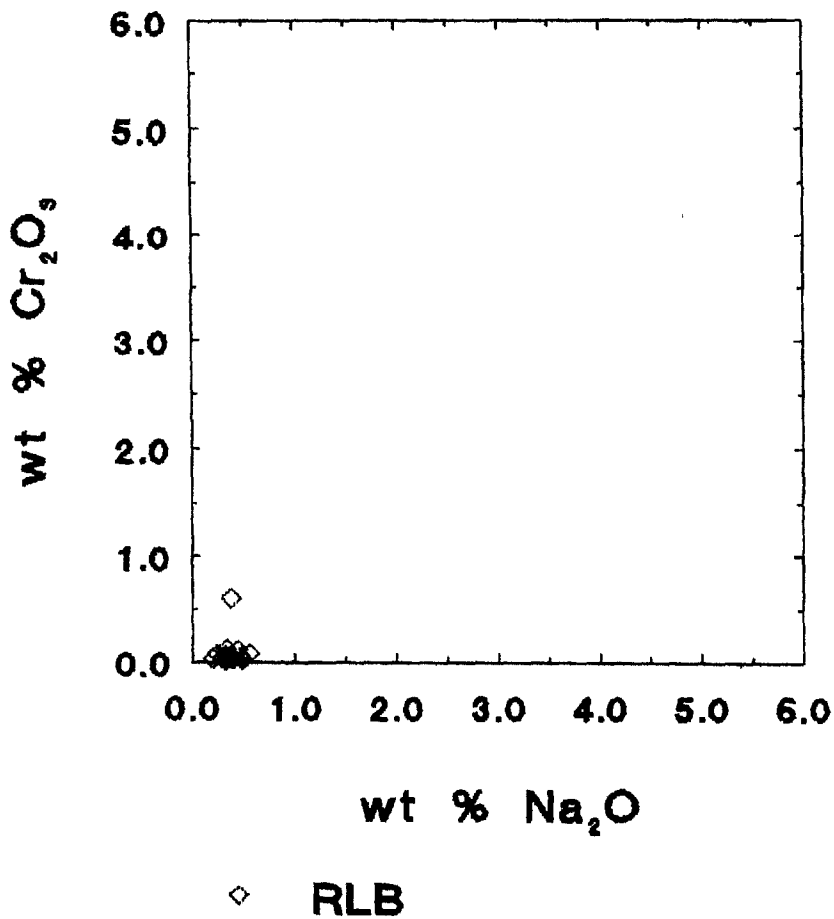
CLINOPYROXENE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, Sept. 3 2001, R.L.B.

	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	8.00	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
 18 SAMPLE AY-2 GRAIN 4
 19 SAMPLE VEN-2A GRAIN 4

AUGITE
AUGITE
AUGITE

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



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

CLINOPYROXENE, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, 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	.03	.05
Al2O3	1.67	1.23	1.11	1.71	1.00	.85	.39	.95
Cr2O3	.05	.03	.12	.06	.05	.02	.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	.15	.39
CaO	23.90	23.27	24.54	23.01	23.12	24.16	23.87	24.40
K2O	.01	.01	.01	.00	.00	.02	.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 *	.920 *	.996 *	.982 *	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	1.096	.496	.871
F/FM	.245	.244	.213	.253	.239	.523	.331	.466

- Average
- 1 SAMPLE MC-3 GRAIN 1
 - 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

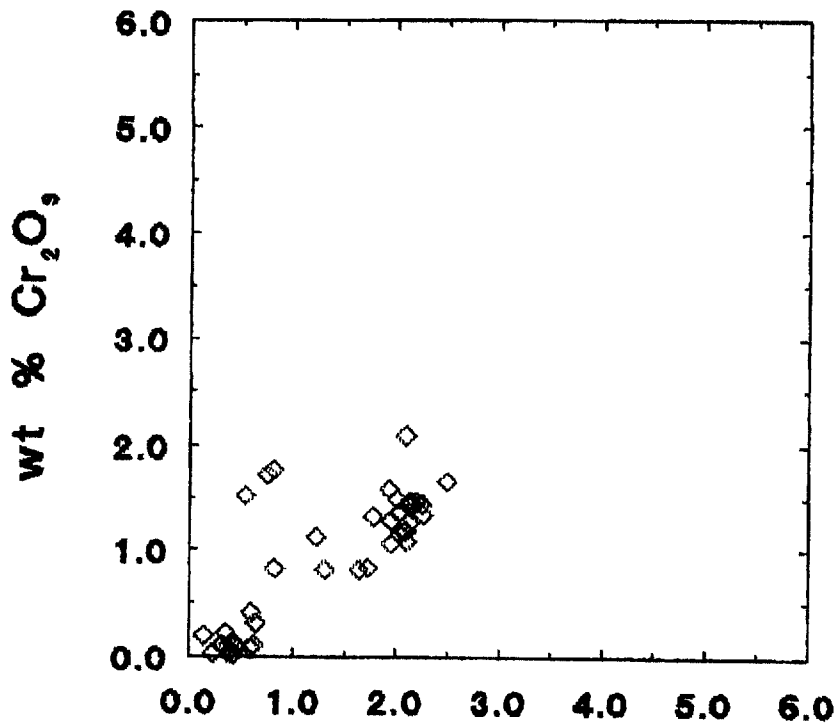
CLINOPYROXENE, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R.L.B.

	9	10	11	12	13	14	15	16
SI02	52.09	53.45	53.67	53.99	53.25	50.43	53.61	49.91
TI02	.01	.04	.01	.09	.03	.09	.01	.08
A203	.96	1.47	1.04	1.27	1.44	1.20	1.45	1.01
C203	.04	.02	.06	.61	.11	.03	.03	.08
FE0	11.95	6.69	6.29	4.58	7.69	15.51	5.56	20.11
MGO	10.28	14.01	14.89	16.05	13.61	8.21	14.32	4.99
MNC	.20	.19	.16	.07	.15	.17	.12	.26
CA0	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
HA20	.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
O	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *	6.000 *
F/M	.663	.276	.243	.163	.323	1.072	.220	2.291
F/FM	.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
 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
 " "
 " "
 - LOW CR AUGITE
 AUGITE
 " "
 " "
 " "

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



wt % Na₂O

◇ RLB
 H2RX-10 (H2-10)
 MC-10
 X-P.8 (XP-8)
 5262

DDI - 3 SOUTH PIPE
 DDI-6-22
 DDI-3-30
 DDI-3-32
 DDI-3-33
 DDI-3-34
 DDI-3-39
 CROSS DIKE F (CDF)
 H DIKE (HT)

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 15 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
FE0	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
CA0	21.20	21.54	20.07	22.56	20.90	23.53	23.62	23.73
K20	.00	.00	.00	.00	.00	.02	.01	.01
NA20	.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	.420
F/FM	.351	.048	.049	.058	.055	.277	.235	.290

- 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.8.

	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	.053	.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
MGO	17.65	15.35	16.32	14.58	15.16	9.77	14.52	14.48
MNO	.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
K2O	.00	.01	.01	.00	.00	.00	.00	.00
NA2O	.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 2.000
O	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	.090 2.028	.066 2.000	.082 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 1.9
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.8.	GRAIN 3							
40 SAMPLE X-P.8.	GRAIN 5							

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

	41	42
SI02	53.82	54.35
TIO2	.03	.38
A2O3	2.76	.54
C2O3	.40	.03
FeO	5.73	3.54
MgO	14.67	16.60
MnO	.07	.00
CaO	22.44	24.58
K2O	.01	.00
Na2O	.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
FEO	5.54	5.52	5.31	5.18	5.67
MGD	34.90	34.52	35.18	35.30	35.13
MNO	.03	.00	.07	.03	.01
CAO	.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

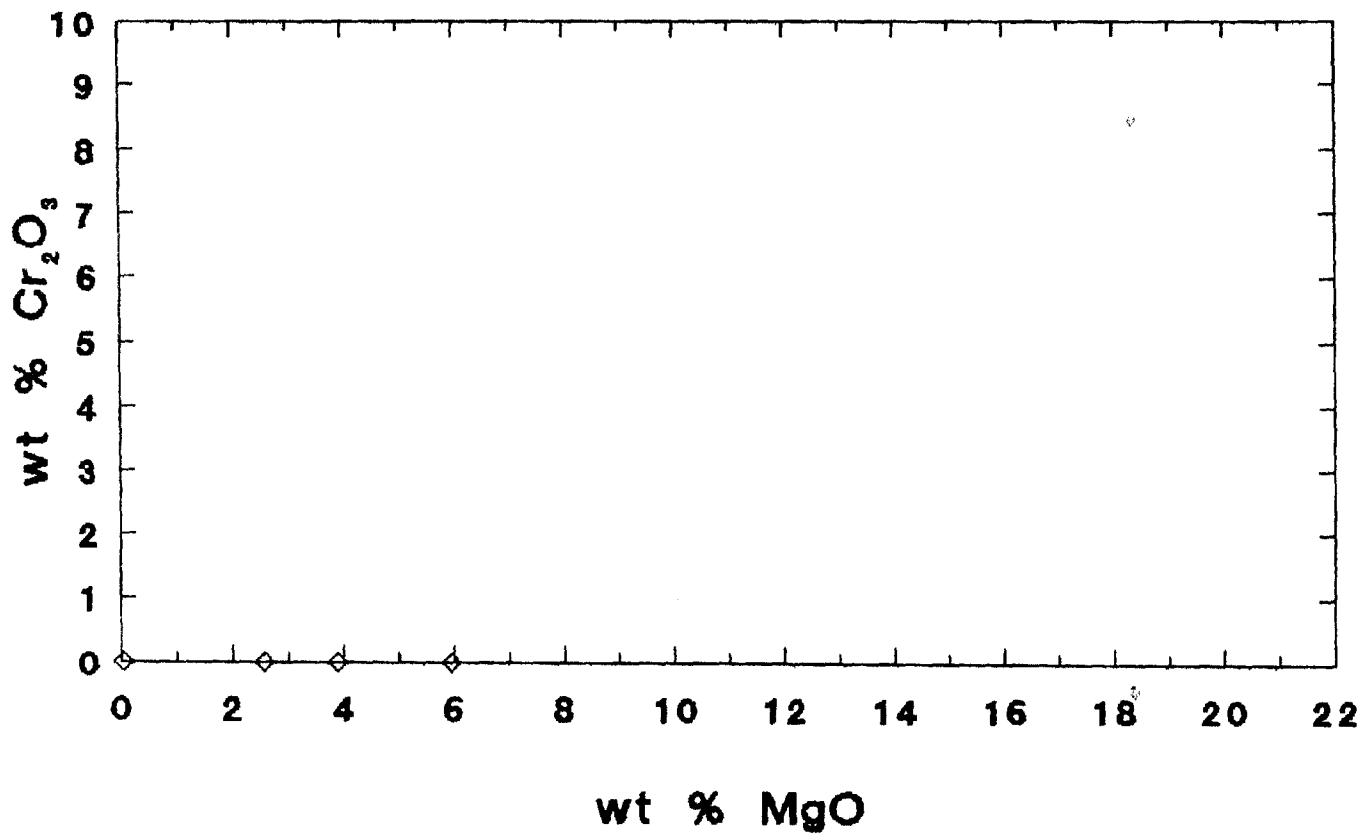
ORTHOPYROXENE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT September 3, 2001, R.L

	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/N	.080	.085	.076	.077
F/FM	.074	.078	.071	.071

1 SAMPLE DRX-3 GRAIN 1
 2 SAMPLE DRX-3 GRAIN 25
 3 SAMPLE DRX-3 GRAIN 26
 4 SAMPLE DRX-3 GRAIN 27

CR ENSTATITE
 h //
 h //
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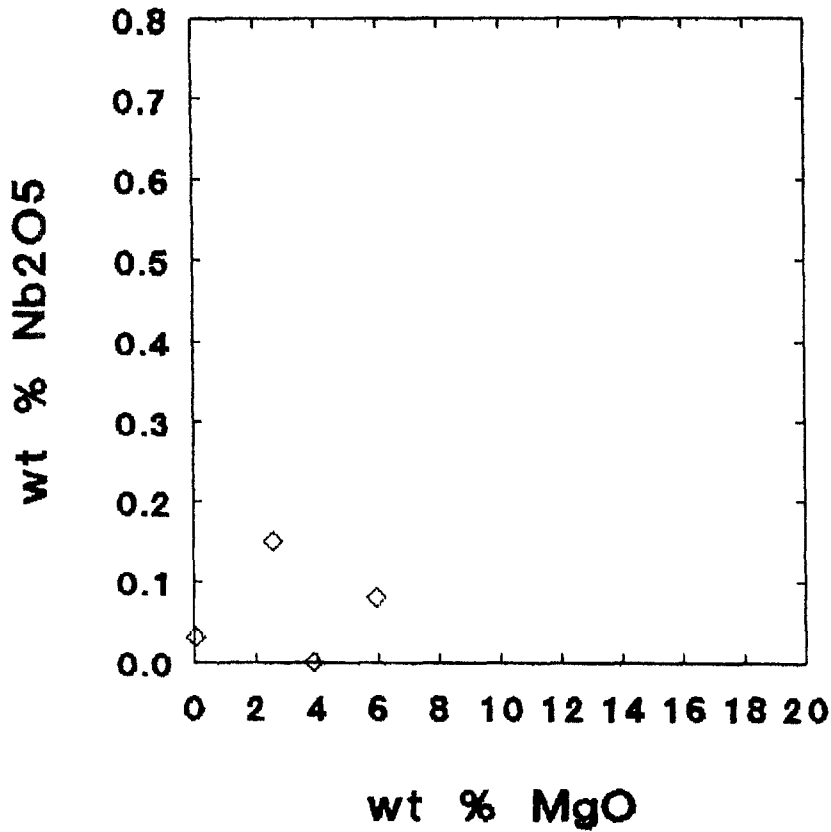
**ILMENITE - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 2001)**



◇ RLB

MC-10

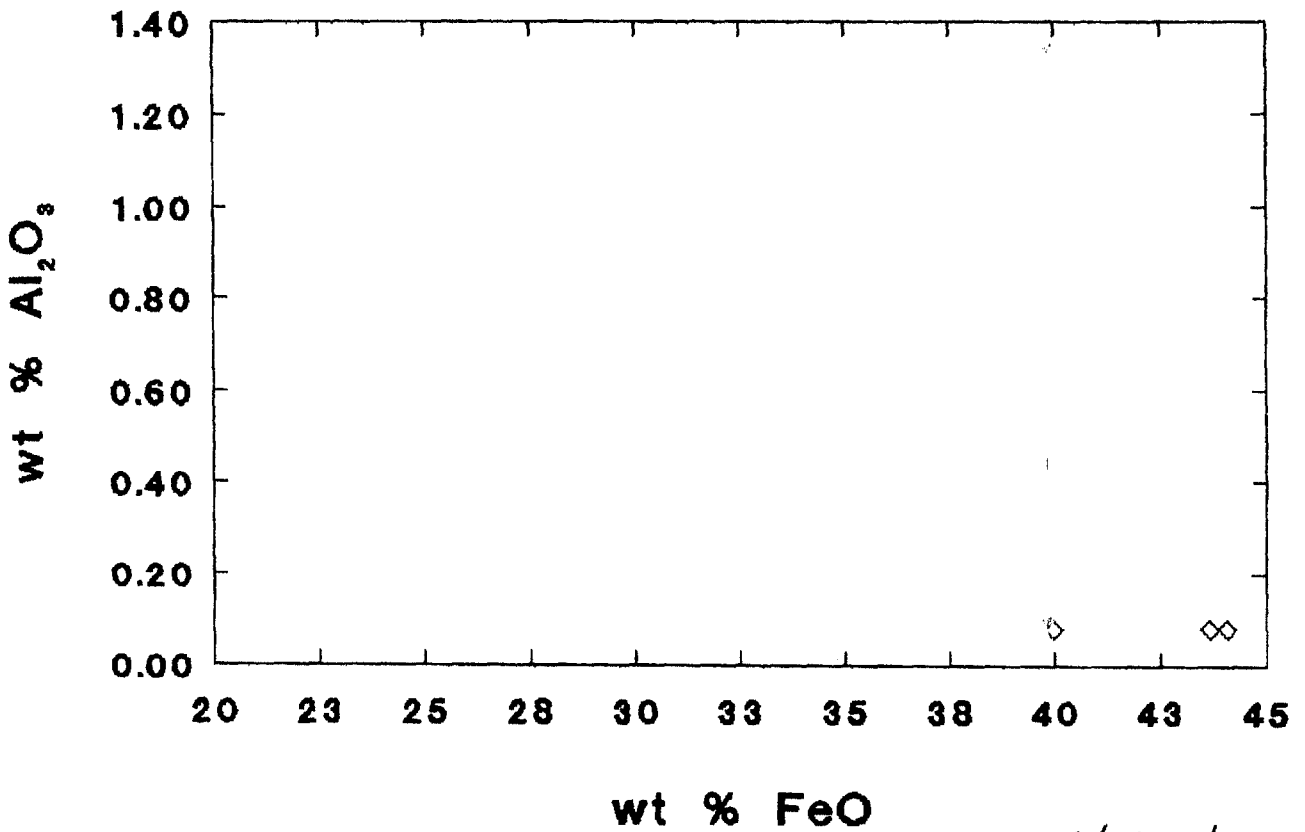
**ILMENITE - TORNGAT PROJECT
DIAMOND DISCOVERIES INT. (Sept. 11 2001)**



◇ RLB

MC-10

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



◇ RLB

MC-10

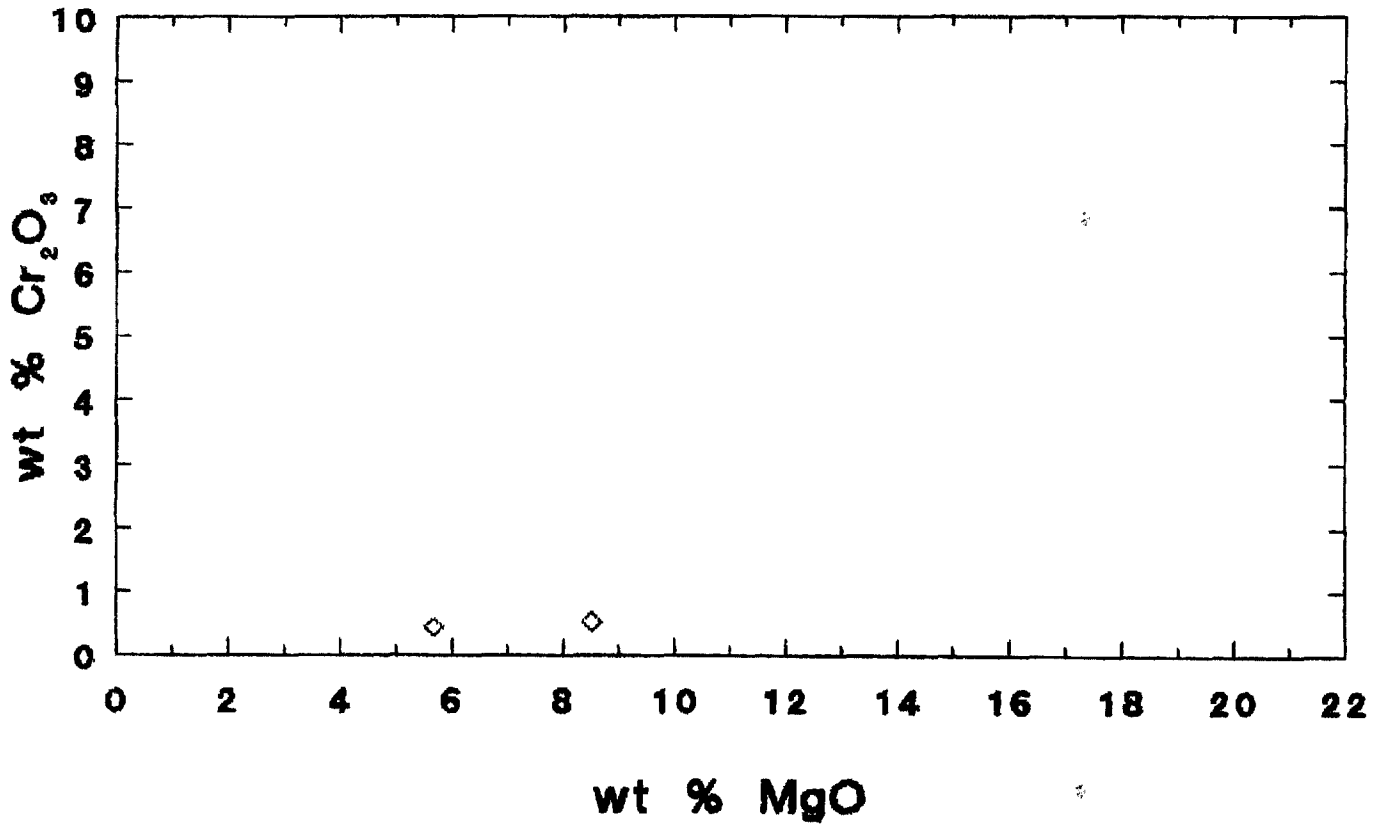
ILMENITE, DIAMOND DISCOVERIES INTERNATIONAL, September 11 2001, R.L.B.

	1	2	3	4
SiO2	.02	.04	.01	.05
TiO2	53.07	50.69	50.68	49.36
Al2O3	.08	.08	.08	.06
Cr2O3	.00	.00	.00	.00
FeO	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
NiO	.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 *
Nb	.009 21.609	.018 21.736	.000 21.770	.004 21.808
O	32.000 *	32.000 *	32.000 *	32.000 *
F/M	3.852	10.123	6.401	706.686
F/FM	.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
↓

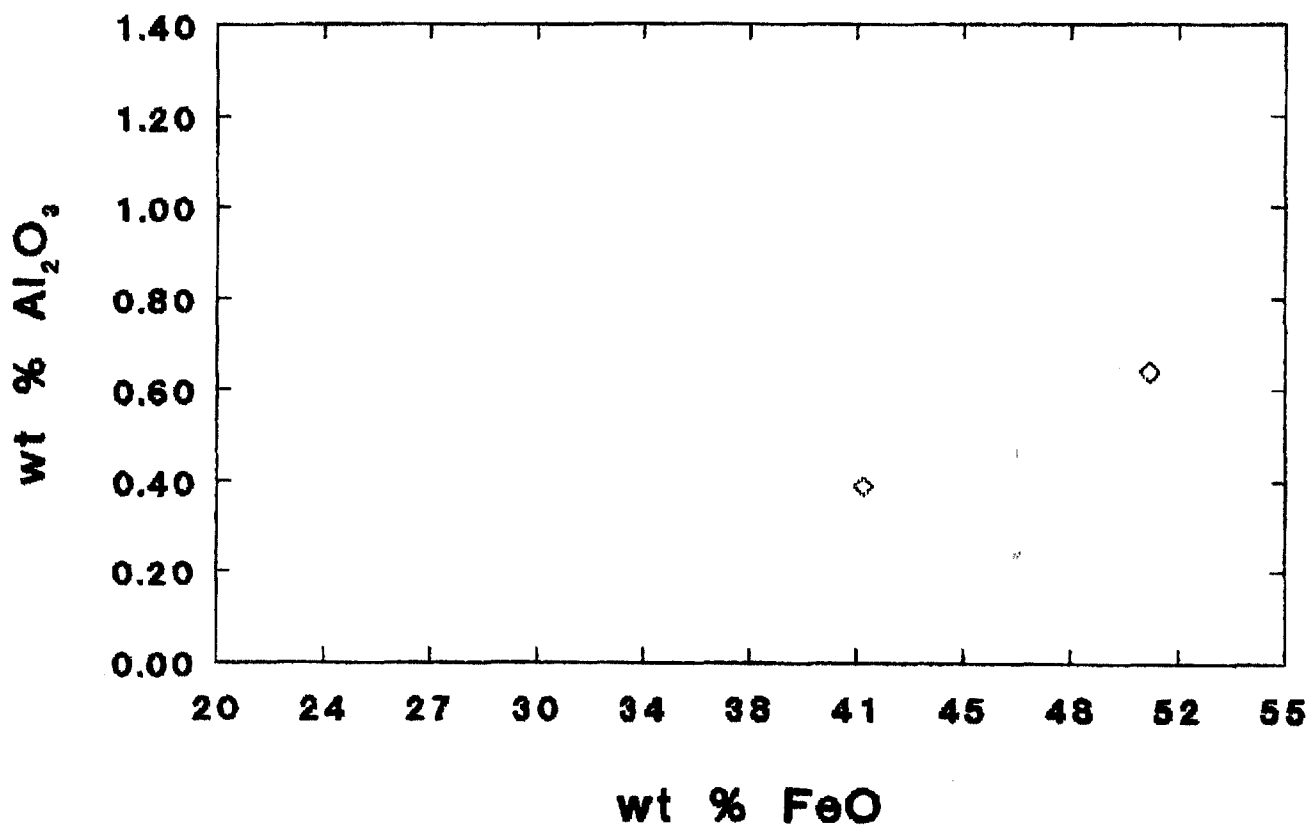
**ILMENITE - DIAMOND DISCOVERIES INT.
TORNGAT PROJECT November 15 2001**



◇ RLB

H2RX-10 (H2-10)

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



◇ RLB

H2RX-10(H2-10)

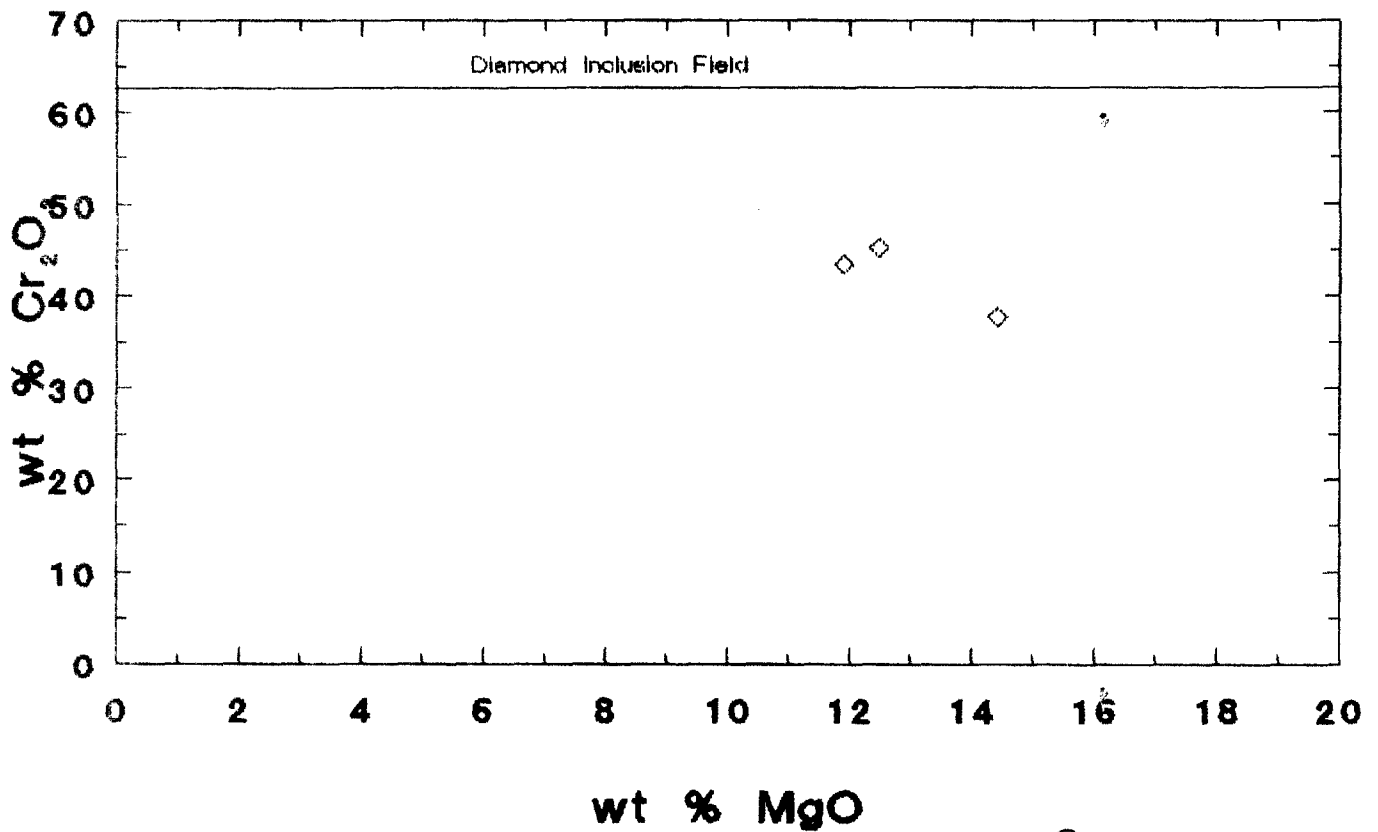
ILMENITE, DIAMOND DISCOVERIES INT., TORNGAT PROJECT, Nov. 15 2001, R.L.B.

	1	2
SI02	.00	.02
TIO2	41.94	48.98
Al2O3	.64	.39
CaO	.43	.52
FeO	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

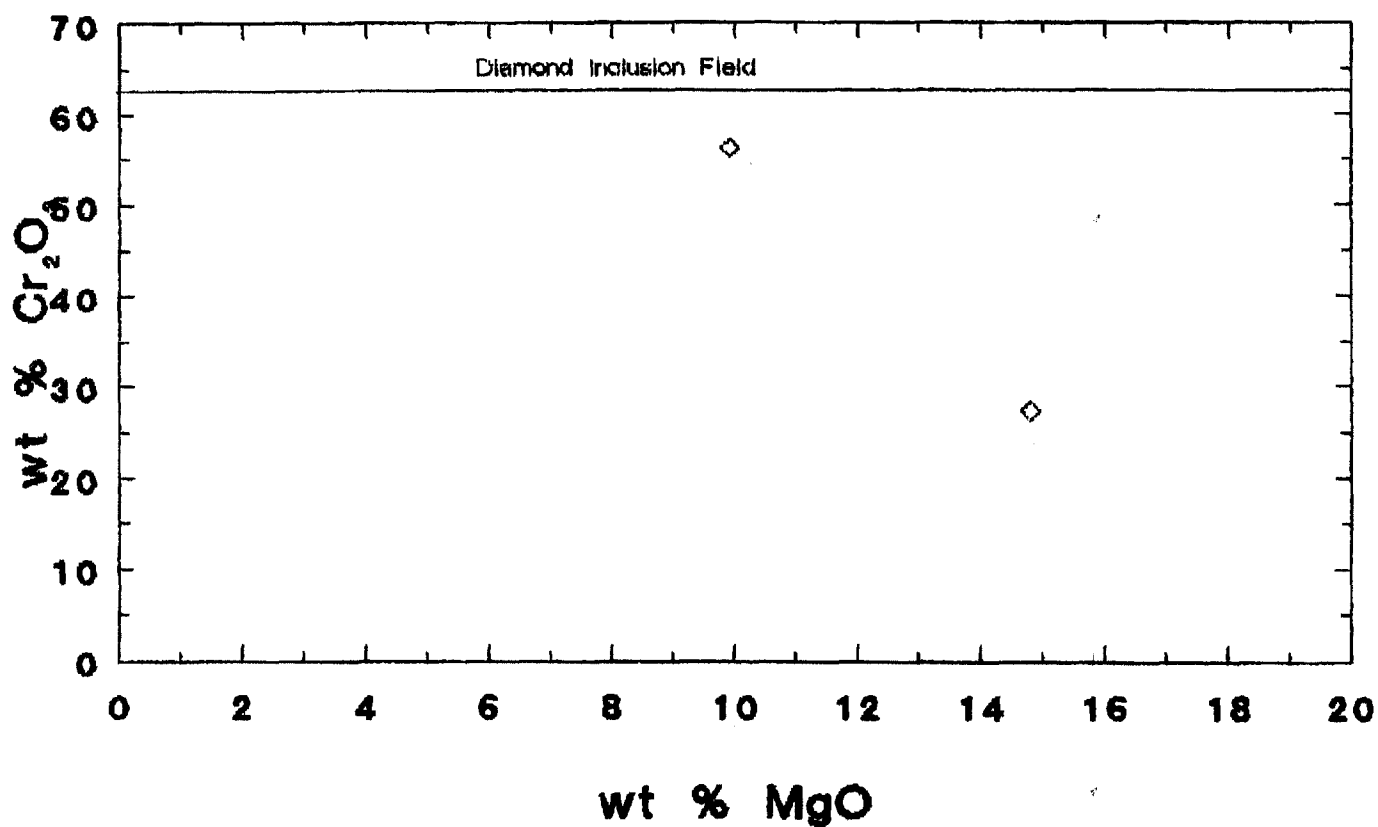
	1	2	3
SiO2	.00	.00	.01
TIQ2	.02	.38	2.84
Al2O3	32.34	21.45	14.54
Cr2O3	37.71	45.26	43.45
FeO	15.49	19.54	26.47
MnO	.28	.43	.34
MgO	14.43	12.49	11.92
ZnO	.01	.28	.18
NiO	.10	.06	.30
SUM	100.38	99.89	100.05

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	*
ZN	.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
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**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
SiO2	.00	.00
TiO2	.01	.75
Al2O3	41.75	12.70
Cr2O3	27.26	56.25
FeO	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	100.09	99.93

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.L.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	34.76	
F/M	.545	
F/FM	.353	

1 SAMPLE MC- 9 GRAIN 6 OLIVINE Fo65

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
FE0	8.14	8.12	8.09	7.96	7.85	8.29	8.13	8.22
MGO	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
CA0	.00	.01	.00	.00	.00	.00	.00	.00
K20	.00	.00	.00	.00	.00	.00	.00	.00
NA20	.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 *
FO	91.82	91.84	91.88	91.94	92.01	91.51	91.69	91.51
FA	8.18	8.16	8.12	8.06	7.99	8.49	8.31	8.41
F/M	.089	.089	.088	.088	.087	.093	.091	.089
F/FM	.082	.082	.081	.081	.080	.085	.083	.081

- 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.B.

	9	10	11	12	13	14	15	16
SI02	40.86	41.51	41.12	40.84	41.40	41.37	40.64	41.40
TID2	.02	.04	.03	.00	.00	.00	.04	.04
A203	.00	.00	.00	.00	.00	.00	.00	.00
C203	.03	.00	.08	.00	.03	.04	.06	.05
FEO	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 1.004
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 1.988
O	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *	4.000 *
FD	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	8.7
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
FE0	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
CA0	.00	.00	.00	.00	.00	.00	.00	.00
K20	.01	.00	.01	.00	.00	.00	.00	.00
NA20	.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
SiO2	40.70	41.31	39.74	40.87
TiO2	.03	.02	.06	.01
Al2O3	.00	.00	.00	.00
Cr2O3	.00	.08	.00	.03
FeO	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.L.B.

	1	2	3	4	5
SI02	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	.535 2.416	.240 2.245	.191 1.890	.236 2.121
F	.132 *	.005 *	.004 *	.004 *	.005 *
CL	.900 *	.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

Or AMPHIBOLE (IGNEOUS)

''

''

Or AMPHIBOLE

''

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

	1	2	3
SIQ2	54.18	55.27	45.55
TIQ2	.01	.04	.02
A2O3	3.40	2.57	13.87
C2O3	1.05	.64	.07
FEO	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	.65	.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	7.585	*	7.673	*	6.544	*
AL	.415	8.000	.327	8.000	1.456	8.000
AL	.146	*	.093	*	.893	*
TI	.001	*	.004	*	.002	*
CR	.116	*	.070	*	.009	*
FE	.547	*	.464	*	.942	*
Mg	4.342	*	4.577	*	3.339	*
MN	.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	.462	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/FM	.112		.092		.223	

- 1 SAMPLE MCM-3 GRAIN 2
- 2 SAMPLE MCM-3 GRAIN 3
- 3 SAMPLE MCM-3 GRAIN 4

CR AMPHIBOLE
 II
 AMPHIBOLE (IGNEOUS)

Mr. Robert Dillman,

September 21, 2001

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 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 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 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

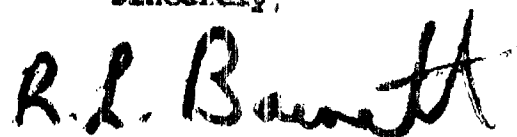
Sample MC-13 - grains 7-12 - ilmenite

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 large, sweeping "B" and a long tail on the "t".

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

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

November 22, 2001

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

H2RX-3/5262
Sample H2-3 - grain 5 - melanite
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.

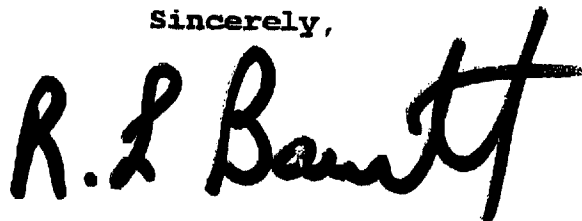
Sample XP-8 - grains 1,2,4 - grossular-almandine ss.

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

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

DATE OF SUBMISSION: SEPTEMBER 2001

DIGESTION

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 5.23

SIZE FRACTION: <5.0 - 1.0 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 5.23 grams

TOTAL 5.23 grams

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	ELOGITE	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 April 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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: *[Signature]* April 13, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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	AMPHI.	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

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:

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 weight and percentage data.

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:

Handwritten signature and date: Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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

COARSE OR FINER FRACTION AVAILABLE?: yes

NONMAGNETIC FRACTION: 0 grams

TOTAL 4.82 grams

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	AMPHI.	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:

R. J. Dillman April 13/2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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 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:

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 weight data for various colors.

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 metallics , could be chromite-ilmenite-magnetite-perovskite-andradite. Trace clear apatite.

SIGNED BY: [Signature] Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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
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	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	4 g	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:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DRX-3

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	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	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

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 1 grams
TOTAL 1 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

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 ILMENITE	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:

Robert J. Dillman APR 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DRX-3 Digestion

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				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																							
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

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:

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 percentages for PINK (80%) and TOTAL (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 and date: Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: ARX-1 DIGESTION

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 2.24

SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 2.24 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 0 grams

TOTAL 2.24 grams

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:

Robert J. Dillman March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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 COARSE OR FINER FRACTION AVAILABLE?: yes
NONMAGNETIC FRACTION: 3.1 grams
TOTAL 3.1 grams 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:

Table with columns for COLOUR, GARNET (PYROPE, ECLOGITE, ANDRADITE, ALMD), PYROXENE (Cr DIOP, Cr CPX, ENSTATITE, AUGITE), OLIVINE, MICA (OLIVINE, PHLOGO, BIOTITE), OPAQUES (CHROMITE, Mg ILMENITE, PEROV, MAG, PYRITE, RUTILE), OTHER (AMPHI, SPHENE, ZIR, CORUN).

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: [Signature] Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: ARX-1

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 69.4

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 31.2 grams
NONMAGNETIC FRACTION: 38.2 grams
TOTAL 69.4 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

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	AMPH.	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

SAMPLE NUMBER: ARX-1 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0.03

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0.03 grams
NONMAGNETIC FRACTION: 0 grams
TOTAL 0.03 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

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				
	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																						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

ARJADEE PROSPECTING

SAMPLE NUMBER: ARX-2 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: 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				
	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		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

SAMPLE NUMBER: ARX-2 Digestion

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				
	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											10%											
BLACK			Tr.								5%	10%										
Br. GREEN																						
Dk. GREEN																						
YELLOW									5%													
CLEAR																						?
SILVER																						
TOTAL			Tr.						5%	5%	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

SAMPLE NUMBER: ARX-2 DIGESTION

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1.2

SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

NONMAGNETIC FRACTION: 1.2 grams

TOTAL 1.2 grams

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	AMPHI.	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

SAMPLE NUMBER: ARX-6

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

SAMPLE NUMBER: ARX-6

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 COARSE OR FINER FRACTION AVAILABLE?: YES
NONMAGNETIC FRACTION: 5.4 grams
TOTAL 49.2 grams 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:

Table with columns for mineral groups (GARNET, PYROXENE, OLIVINE, MICA, OPAQUES) and color categories (COLOUR). Rows include colors like PURPLE, LILAC, RED, ORANGE, PINK, BROWN, BLACK, Br. GREEN, Dk. GREEN, YELLOW, CLEAR, SILVER, and TOTAL. Includes percentages and weights (e.g., 5g, 10g, 2g).

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

SIGNED BY: [Signature] March 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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

SAMPLE NUMBER: ARY-4

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 2.3

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

NONMAGNETIC FRACTION: 2.3 grams

TOTAL 2.3 grams

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 CFX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	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.

SIGNED BY:

Robert J. Dillman Nov 29, 2001

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),

ROBERT J. DILLMAN

ARJADEE PROSPECTING

NON KIMBERLITIC:

SAMPLE NUMBER: 21107 6m to 20m

DATE OF SUBMISSION: SEPTEMBER 2001

DIGESTION

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	AMPHI.	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:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: 21107 DIGESTION

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

SAMPLE NUMBER: 5262 "A"

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 26.8

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

NONMAGNETIC FRACTION: 26.8 grams

TOTAL 26.8 grams

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	AMPHI.	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

SAMPLE NUMBER: 5262 - H2RX-3

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	ILMENITE	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:

Robert J. Dillman Nov 26/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: 5265 "A" SOIL

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				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									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

SAMPLE NUMBER: 5265"A"

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				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												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

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	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				1%																	
PINK				Tr.																	
BROWN											15%										
BLACK											Tr.							60%			
Br. GREEN																					
Dk. GREEN						5%												10%			
YELLOW																				1 g	
CLEAR																					
SILVER																					
TOTAL				1%		5%					15%							70%	1 g		

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:

Robert J. Dillman June 11, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: 5291

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.

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

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: 5291 ROCK SAMPLE DATE OF SUBMISSION: NOVEMBER 2001

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	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

SAMPLE NUMBER: 5292 ROCK SAMPLE DATE OF SUBMISSION: NOVEMBER 2001

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	AMPHI.	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:

 Nov 23, 2001
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

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

TRIANGLE 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: 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	SPHENE	ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.				
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:

 Oct 29, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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 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	AMPHI.	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 clot 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:

Robert J. Dillman Oct 29, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

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 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	AMPHI.	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 picrolimenite 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:

 Oct 29, 2001
 ROBERT J. DILLMAN
 ARJADEE PROSPECTING

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

SAMPLE NUMBER: 5295

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:

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				Tr.																		
PINK				1%																		
BROWN																						
BLACK										5%					Tr.							
Br. GREEN																						
Dk. GREEN																						
YELLOW																					Tr.	
CLEAR																						
SILVER																						
TOTAL				1%						5%					Tr.					Tr.		

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?.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Nov 27, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: H2RX-10/ F Soil

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				OLVINE	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																						
PINK				Tr.																		
BROWN																						
BLACK										90%		?	?		3 g							
Br. GREEN					1 g																	
Dk. GREEN																						
YELLOW									10 g													
CLEAR																						
SILVER																						
TOTAL				Tr.	1 g				10 g	90%		?	?		3 g							

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 Picroilmenite

NON KIMBERLITIC: 1 quartz,

SIGNED BY:

Robert J. Dillman Nov 27, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: H2RX-10 SOIL

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 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											30%									
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:

Robert J. Dillman 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 COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 2.9 grams
TOTAL 2.9 grams
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:

Table with columns for mineral groups (GARNET, PYROXENE, OLIVINE, MICA, OPAQUES, AMPHI., SPHENE, OTHER) and rows for colors (PURPLE, LILAC, RED, ORANGE, PINK, BROWN, BLACK, Br. GREEN, Dk. GREEN, YELLOW, CLEAR, SILVER, TOTAL). Includes percentages for ORANGE (0.25%), PINK (0.75%), Br. GREEN (15g), Dk. GREEN (95%), and TOTAL (tr., 15g, 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:

Handwritten signature and date: 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 chalcopyrite inclusion, 1% clear apatite, sample is unique, some black opaques could be rare earth's? AMPHIBOLE-OLIVINE? DIKE

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: ERX-1 SOIL

DATE OF SUBMISSION: NOVEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 52.5

SIZE FRACTION: <2.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 52.5 grams
TOTAL 52.5 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

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	AMPHI.	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

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 for mineral groups (GARNET, PYROXENE, OLIVINE, MICA, OPAQUES) and colors (PURPLE, LILAC, RED, ORANGE, PINK, BROWN, BLACK, Br. GREEN, Dk. GREEN, YELLOW, CLEAR, SILVER, TOTAL). Includes percentages and trace amounts.

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

SIGNED BY: [Signature] MARCH 18/02

ROBERT J. DILLMAN ARJADEE PROSPECTING

BIOTITE-CORUNDUM LAMPROPHYRE DIKE

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-HORNBLLENDE COUNTRY ROCK. DIKE SIMILAR TO DDI3-30 AREA.

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 COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 10.3 grams
TOTAL 35.8 grams 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	PHLOGOPIITE	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

SAMPLE NUMBER: PF-2

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: TRI

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

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:

Table with columns for 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 (0.75%), ORANGE (0.25%), PINK, BROWN, BLACK, Br. GREEN (1 g), Dk. GREEN (89%), YELLOW (1%), CLEAR, SILVER, and 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 samll chrome cpx or enstaite fragement, very fine opaques most magnetite, dirty green olivine matrix. rare yellow olivine fragments FINE GRAINED OLIVINE-PHLOGOPITE DIKE WITH ECLOGITE GARNET

SIGNED BY: [Signature] MARCH 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DD3-SOUTH PIPE

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: 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	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN																						
BLACK														?		Tr.						
Br. GREEN					5%																	
Dk. GREEN																						
YELLOW									45%													
CLEAR									50%													
SILVER																						
TOTAL					5%				95%					?		Tr.						

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: 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	SPHENE	ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE				AMPHL.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																5%	
PINK				95%																	
BROWN																					
BLACK																		3 g			
Br. GREEN																					
Dk. GREEN								3 g											Tr.		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%				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:

Robert J. Dillman No 021, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

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	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	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:

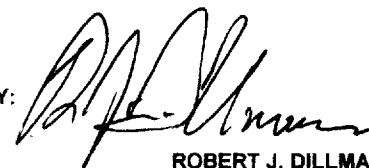
COMMENTS: fined grained mica-olivine-clinopyroxene kimberlitic rock fragments with phenocrysts of mica and olivine magnetic, fine opaques, possible fine perovskite.

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:



Nov 19, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

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

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				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																						
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

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	AMPHI.	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 Nov 10, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

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	AMPHI	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:

Robert J. Dillman Nov 9, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

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	AMPHI	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

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

Robert J. Dillman Nov 15, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

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			
	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				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:

Robert J. Dillman MAR 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:

Robert J. Dillman 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	AMPHI	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:

Robert J. Dillman 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 COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 47.9 grams
TOTAL 47.9 grams 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				
	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																					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

Potentiall 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%	5%	2 g

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 COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 33 grams
TOTAL 33 grams

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			
	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																					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:

[Signature] 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				
	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																						
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 June 9, 2002

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				OLVINE	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																					Tr.	
LILAC																						
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: ?

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

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.

SIGNED BY:

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				
	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				?																	15 g	
ORANGE				15%															Tr.			
PINK				80%																		
BROWN																						
BLACK											12 g				1%		Tr.	1%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%							12 g				1%		Tr.	1%	Tr.	17 g		

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:

Robert J. Dillman 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 ILMENITE	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	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				20%																	
PINK				30%																	
BROWN											7 g										
BLACK																		Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				50%							7 g							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:



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.

SIGNED BY:

RJD March 20/02

COMMENTS:

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.					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 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

POTENTIAL LAMPROPHYRIC GRAINS IN SAMPLE

SAMPLE NUMBER: DDI - 3 - 16

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 8.2 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?:
NONMAGNETIC FRACTION: 8.2 grams
TOTAL 8.2 grams 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

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

TOTAL KIMBERLITE OR RELATED MINERALS: 40%

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:

Robert J. Dillman March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

KIMBERLITE CLOSE TO SAMPLE SITE.

SAMPLE NUMBER: DDI-3-16

DATE OF SUBMISSION: SEPTEMBER 2001

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

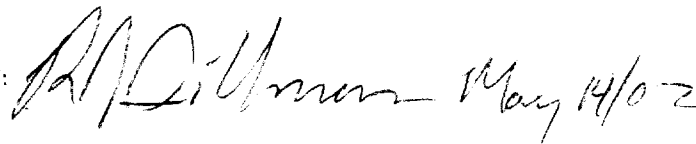
KIMBERLITE OR RELATED MINERALS: YES

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)

SIGNED BY:



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

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 17

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 67.7

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 3.2 grams
NONMAGNETIC FRACTION: 64.5 grams
TOTAL 67.7 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 67.7 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																					2 g	
LILAC																						
RED																					Tr.	
ORANGE				50%																	Tr.	
PINK				45%																		2 g
BROWN											3 g										Tr.	
BLACK															3%		Tr.		Tr.			
Br. GREEN																						
Dk. GREEN																						
YELLOW																					1 g	
CLEAR																						
SILVER																						
TOTAL				95%							3 g				3%		Tr.	1%	Tr.	Tr.	Tr.	2 g

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 1.0 mm grains and worn fragments of larger grains of red zircon.
Several brown mica cluster grains, two of which are in the magnetic fraction.
Slight increase in magnetite content.
Possible lamprophyre mica.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 18

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 39.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 39.7 grams
TOTAL 39.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 39.7 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																						
LILAC																						
RED				1%																		
ORANGE				25%																		
PINK				70%																		
BROWN																						
BLACK												?	?		3%		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				96%								?	?		3%		Tr.	Tr.				

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: weak clay coating on 90% of grains

COMMENTS: slight increase in nonmagnetic metalics.

SIGNED BY:

Robert J. Dillman June 7, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 19

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 56.7 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 56.7 grams
 TOTAL 56.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 56.7 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																					
LILAC																					
RED				1%																Tr.	
ORANGE				60%															5%		
PINK				20%																	
BROWN										7 g								3 g			
BLACK																		5%			
Br. GREEN																					
Dk. GREEN							2 g														
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				81%			2 g			7 g								5%	5%	Tr.	

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

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: biotite - sphene and biotite - black amphibole sources in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: some black amphibole with fine black biotite. Most biotite in composite with orange sphene.

SIGNED BY:

Robert J. Dillman June 9, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 20

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 32.8

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 32.8 grams
TOTAL 32.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 32.8 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 ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE			
PURPLE																					1 g	
LILAC																						
RED																						
ORANGE				80%																Tr.		
PINK				15%																		
BROWN																1 g						
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											Tr.	1 g	Tr.	Tr.	Tr.	Tr.	1 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:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 21

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 28.4

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 28.4 grams
TOTAL 28.4 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 28.4 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			
	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				Tr.																	
ORANGE				55%																5%	
PINK				35%																	
BROWN																					
BLACK															5 g		Tr.	2%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%											5 g		Tr.	2%	5%		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: some black amphibole with fine black biotite.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 23

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 50.9

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 50.9 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

NONMAGNETIC FRACTION: 0 grams

TOTAL 50.9 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 50.9 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																					
LILAC																					
RED				Tr.																	
ORANGE				Tr.																	
PINK				Tr.																	
BROWN																		5%			
BLACK															95%						
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					Tr.
SILVER																					
TOTAL				Tr.														5%			Tr.

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to magnetite - Cu source

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 27 magnetite / magnetite + brown amphibole with weak to strong malachite - azurite coating

COMMENTS: concentrate consists mostly of magnetite grains and magnetite + brown amphibole + quartz composites.

SIGNED BY:

Robert J. Dillman Apr 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Immediate Magnetite - Copper Source

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

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 13.8 grams

TOTAL 13.8 grams

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	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					4 g	
LILAC																						
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 Dillman 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																						
Dk. 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	AMPHI.	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 ldspar

SIGNED BY:

Robert J. Dillman June 3, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 30

DATE OF SUBMISSION: SEPTEMBER 2001

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 CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
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

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

DATE OF SUBMISSION: SEPTEMBER 2001

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

DATE OF SUBMISSION: SEPTEMBER 2001

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	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	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:

Robert J. Dillman Nov 21, 2001

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 33

DATE OF SUBMISSION: SEPTEMBER 2001

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	AMPHI.	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:

Robert J. Dillman

Nov 14, 01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 34

DATE OF SUBMISSION: SEPTEMBER 2001

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 Nov 8/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 3 - 35

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 32.9 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 17.5 grams
 NONMAGNETIC FRACTION: 15.4 grams
 TOTAL 32.9 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

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	AMPH.	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-DIOPSID - PEROVSKITE -SPHENE - PYRITE -MICA KIMBERLITE SOURCE

SIGNED BY:

Robert J. Dillman MARCH 25, 02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-3-35

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

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

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 14.7 grams
TOTAL 14.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

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						2 g ?															
Dk. GREEN							3 g ?												3 g ?		
YELLOW																					
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 May 14/02

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

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 31.5 grams

TOTAL 31.5 grams

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	ILMENTE	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:

Robert J. Dillman 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		ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE			
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:

RJD 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							1%															5%	
YELLOW																							
CLEAR																							
SILVER																							
TOTAL				60%			1%															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:

 June 6/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 1

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 18.4

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.9 grams
NONMAGNETIC FRACTION: 17.5 grams
TOTAL 18.4 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 17.5 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		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																					Tr.		
LILAC																							
RED																							
ORANGE				Tr.																		Tr.	
PINK																							
BROWN																						Tr.	
BLACK																						50%	
Br. GREEN																							
Dk. GREEN																						35%	
YELLOW																							
CLEAR																							
SILVER																							
TOTAL				Tr.																		85%	1%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant black amphibole - brown mica composites. Green amphibole - sillimanite? composites. 15% clear sillimanite.

SIGNED BY:

RJD Oct 8/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 11.6

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.8 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 10.8 grams

TOTAL 11.6 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 10.8 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		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				2 g																		
ORANGE				1%																		
PINK				Tr.																		
BROWN																					2 g	
BLACK															Tr.		Tr.	40%				
Br. GREEN																						
Dk. GREEN							1 g														35%	
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				1%			1 g								Tr.		Tr.	75%			5 g	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant black amphibole - brown mica composites. Green amphibole - sillimanite? composites. 25% clear sillimanite.

SIGNED BY:

Robert J. Dillman Oct 2/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1.8 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.1 grams
NONMAGNETIC FRACTION: 1.7 grams
TOTAL 1.8 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 1.7 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				1%																	
PINK				Tr.																	
BROWN																					
BLACK															Tr.		Tr.	60%			
Br. GREEN																					
Dk. GREEN								4 g											20%		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				1%				4 g							Tr.		Tr.	80%			

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant black amphibole - brown mica composites. Green amphibole - sillimanite? composites. 20% clear sillimanite.

SIGNED BY:

R. J. Dillman Oct 7/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 4

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 24.5 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.5 grams
NONMAGNETIC FRACTION: 24 grams
TOTAL 24.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 24 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				2%																		
PINK				Tr.																	5 g	
BROWN																					Tr.	
BLACK																		95%				
Br. GREEN																						
Dk. GREEN																			Tr.			
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				2%															95%		Tr.	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant black amphibole - brown mica composites. Decrease in green amphibole.
No sillimanite.

SIGNED BY:

Robert J. Dillman Oct 7, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 5

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 13.3

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 1 grams
NONMAGNETIC FRACTION: 12.3 grams
TOTAL 13.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 12.3 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				3 g																	
ORANGE				Tr.																	
PINK				Tr.																5 g	
BROWN																					Tr.
BLACK																		99%			
Br. GREEN																					
Dk. GREEN						4 g															
YELLOW									1 g?												
CLEAR																					
SILVER																					
TOTAL				1%		4 g			1 g?									99%		Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: olivine could be yellow amphibole or sillimanite.

SIGNED BY:

Robert J. Dillman Oct 3, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 6

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 4.6 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.2 grams
NONMAGNETIC FRACTION: 4.4 grams
TOTAL 4.6 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 4.4 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				3 g																	
ORANGE				Tr.																	
PINK																					
BROWN																					
BLACK																		99%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				Tr.															99%		

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: mostly amphibole - quartz composites.

SIGNED BY:

RJD Oct 3, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 7

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 10.9

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 2.1 grams
NONMAGNETIC FRACTION: 8.8 grams
TOTAL 10.9 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 8.8 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				3 g																	
ORANGE				Tr.																	
PINK																					
BROWN																					
BLACK																		99%			
Br. GREEN																					
Dk. GREEN										1 g											
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				Tr.						1 g											99%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: mostly amphibole - quartz composites.

SIGNED BY:

RJD Oct 16, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 8

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?: YES

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				2 g																	
ORANGE				10%																	
PINK				5%																	
BROWN																4 g					
BLACK															Tr.			70%			
Br. GREEN																					
Dk. GREEN						10 g												?			
YELLOW																		Tr.			
CLEAR																					
SILVER																					
TOTAL				15%		10 g									Tr.	4 g		70%			

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

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: pyrite and magnetite sources close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: all pyrite grains are euhedral crystals. 10 large 'fresh' magnetite grains. Most black amphibole in composite with white feldspar or quartz. 10 grains of Cr clinopyroxene all fragments, some could be amphibole.

SIGNED BY:

Robert J. Dillman June 1/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-4-9

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 13.5 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 13.5 grams
TOTAL 13.5 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 13.5 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																						
LILAC																						
RED																						
ORANGE				15%																		
PINK				20%																		
BROWN																						
BLACK										8 g						10 g					Tr.	
Br. GREEN															5%			55%				
Dk. GREEN																						
YELLOW																		10%				
CLEAR																						
SILVER																						
TOTAL				35%						8 g					5%	10 g		65%			Tr.	

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: pyrite, glassy green amphibole?, brown amphibole source

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: some brown biotite in composite with black amphibole, fresh glassy-green amphibole could be augite, fresh pyrite, large magnetite +1.0 mm some in composite with quartz.

SIGNED BY:

Robert J. Dillman May 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 4 - 10

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 71.8

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 71.8 grams
 TOTAL 71.8 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 71.8 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																						
LILAC																						
RED				Tr.																	?	
ORANGE				5%																	?	
PINK				5%																	?	
BROWN																						
BLACK																			40%			
Br. GREEN																						
Dk. GREEN																			50%			
YELLOW																				3 g ?		
CLEAR																						
SILVER																						
TOTAL				10%															90%	3 g ?	?	

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

KIMBERLITE OR RELATED MINERALS: ?

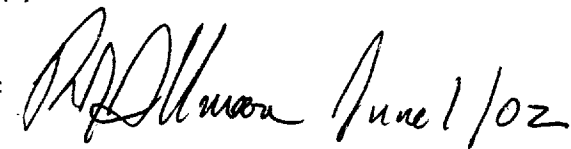
DISTANCE ESTIMATE: 0 distance to black and green amphibole + biotite source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 5 small pellet-shaped orange almandine.
 Possible pink, red and orange zircon. Abundant fresh amphibole with biotite.

SIGNED BY:



ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 1

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 88.5 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 88.5 grams
TOTAL 88.5 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 44.5 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																					10 g
ORANGE				Tr.																	
PINK				3 g																	Tr.
BROWN											3 g										
BLACK															1 g		1 g		5%		
Br. GREEN																					
Dk. GREEN																			25		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				Tr.							3 g				1 g		1 g		95%		Tr.

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: 0 distance to black and green amphibole + quartz + feldspar source & pink zircon source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 95% of pink zircon euhedral to subhedral crystals.

COMMENTS: metamorphic composites of green and black amphibole + quartz + feldspar, some with biotite mica. Several 1.0 mm zircon and fragments of larger grains. Slight increase in magnetite content.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-5-2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 112.2

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

NONMAGNETIC FRACTION: 112.2 grams

TOTAL 112.2 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 48 grams

DATE: MAY 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																					1%	
LILAC																						
RED																						
ORANGE				45%																		
PINK				40%																		
BROWN																						
BLACK																						
Br. GREEN															Tr.		Tr.				10%	
Dk. GREEN																						
YELLOW																					Tr.	
CLEAR																						
SILVER																						
TOTAL				85%											Tr.		Tr.				10%	1%

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

KIMBERLITE OR RELATED MINERALS: No

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

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: fresh fragments of subhedral-anhedral black amphibole crystals and euhedral-subhedral zircon.

SIGNED BY:

[Handwritten signature] May 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 34.3

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 34.3 grams
TOTAL 34.3 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 34.3 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																					3 g	
LILAC																						
RED																					Tr.	
ORANGE				20%																Tr.		
PINK				55%																		
BROWN								Tr.													1%	
BLACK															5%		5%	15%				
Br. GREEN								2 g														
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				75%				Tr.							5%		5%	16%	Tr.	Tr.		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to rutile, brown augite, ilmenite, black and and brown amphibole source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant various 'fresh' minerals, several dark green amphibole with small inclusions of black amphibole. Abundant small black opaque minerals: rutile, black amphibole, ilmenite. Several euhedral and subhedral brown and black amphibole, well preserved.

SIGNED BY:

Robert J. Dillman Apr 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 4

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 45.3 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 45.3 grams
TOTAL 45.3 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 45.3 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																					Tr.	
ORANGE				40%																		
PINK				55%																		
BROWN																					Tr.	
BLACK											5 g		1 g?		Tr.		2%	1%			5 g	
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%							5 g		1 g?		Tr.		2%	1%			Tr.	

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

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: 0 distance to brown zircon - spinel? - rutile source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: one 0.3 mm brown octahedral of spinel, well-preserved.

COMMENTS: very small mica flakes, one large ilmenite, several 1.0 mm brown zircon crystals.

SIGNED BY:

RJDillman Apr 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 5

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 113.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 113.7 grams
 TOTAL 113.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 113.7 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																					
LILAC																					
RED				Tr.																	?
ORANGE				20%															Tr.		
PINK				40%																	5 g
BROWN							Tr.											10%			15 g
BLACK								Tr.				?	?		?		2%	20%			
Br. GREEN																					
Dk. GREEN						1%	Tr.	Tr.											5%		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				60%		1%	1%	1%				?	?		?		2%	35%	Tr.		20 g

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE:

brown & black amphibole, zircon, enstatite, ilmenite source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: most Cr cpx <0.2 mm. Large grains of enstatite, amphibole, zircon, ilmenite. Significant increase in ilmenite, some potentially being Mg-ilmenite or chromite.
 ILMENITE ANOMALY

SIGNED BY:

Robert J. Dillman June 4/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 6

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 47.3

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 47.3 grams
TOTAL 47.3 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 47.3 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				25%															1%		?
PINK				30%																	
BROWN																5 g		Tr.			10 g
BLACK															Tr.		1%	25%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																		Tr.			
CLEAR																					
SILVER																					
TOTAL				55%											Tr.	5 g	1%	25%	1%		10 g

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to source of unknown black metallic mineral and graphite zone.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 2-3% black metallic mineral with silvery-brown tarnish, nonmagnetic

SIGNED BY:

COMMENTS: weak rust coating on 80% of grains, 30% quartz-amphibole with graphite inclusions. recommend ICP scan on sample.

Robert J. Dillman April 8/02

0 distance to unknown black metallic mineral.

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 7

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 77.2

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 3.6 grams
NONMAGNETIC FRACTION: 73.6 grams
TOTAL 77.2 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 73.6 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																					3 g
LILAC																					
RED																					
ORANGE				Tr.															Tr.		
PINK				1%																	40%?
BROWN																3 g					35%?
BLACK											1 g		?		Tr.		1%	5%			
Br. GREEN																		3%			
Dk. GREEN							10 g	?													
YELLOW																			15%		
CLEAR																					1 g
SILVER																					
TOTAL				1%			10 g	?			1 g		?		Tr.	3 g	1%	8%	15%	4 g	75%?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: No?

DISTANCE ESTIMATE:

0 distance to sphene-corundum-enstatite-amphibole source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: unique heavy mineral concentrate

abundant fresh minerals: amphiboles, corundum, garnet, spinel, enstatite.

SIGNED BY:

COMMENTS: yellow sphene could be sillimanite, abundant large fragments of euhedral crystals some with inclusions of graphite.

abundant fresh pink and orange corundum could be garnet. Abundant subhedral to shapeless crystals of black and dark green amphibole. 4 clear-blue spinel.

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Robert J. Dillman Apr 25/02

SAMPLE NUMBER: DDI - 5 - 8

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 50.8

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 1.6 grams
NONMAGNETIC FRACTION: 49.2 grams
TOTAL 50.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 49.2 grams

DATE: APRIL 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																					3 g
LILAC																					
RED																			Tr.	Tr.	
ORANGE				50%																	
PINK				40%																	2 g
BROWN																					1%
BLACK															Tr.		2%	3%			
Br. GREEN																					
Dk. GREEN								?													
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%				?							Tr.		2%	4%	Tr.	Tr.	2 g

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

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

COMMENTS: some green amphibole could be clinopyroxene. Some fresh amphibole-feldspar-quartz-garnet composites.

SIGNED BY:

Robert J. Dillman Apr. 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 9

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 24.9 SIZE FRACTION: < 1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 24.9 grams
TOTAL 24.9 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 24.9 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																					
LILAC																					
RED																				1%	
ORANGE				50%																	
PINK				43%																	
BROWN											2 g										
BLACK															1%			3%			
Br. GREEN																					
Dk. GREEN																		2%			
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				93%							2 g				1%			5%		1%	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: zircon source close to site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: red zircon crystals up to 1.0 mm, subhedral, one crystal with in quartz.

COMMENTS: brown biotite is metamorphic.

SIGNED BY:

[Signature] April 17/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 10

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 69.5

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0.8 grams
NONMAGNETIC FRACTION: 68.7 grams
TOTAL 69.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 68.7 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				45%																	
PINK				40%																	
BROWN																				5%	
BLACK											25 g						Tr.		5%		
Br. GREEN																					
Dk. GREEN							?	1 g	2 g												
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				85%			?	1 g	2 g			25 g					Tr.		10%		Tr.

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: potential lamprophyric source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: weak clay coating on most grains.

COMMENTS: 10 fresh pink garnet fragments. 10 mica grains in composite with brown amphibole: potential lamprophyre source.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 10 COARSE

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 42.7

SIZE FRACTION: <5.0 - 1.0 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 42.7 grams

TOTAL 42.7 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 42.7 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				7 g																	
PINK				5 g																	
BROWN																				1%	
BLACK											5 g									1%	
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				12 g							5 g									2%	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: large biotite grains are believed to be metamorphic origin? sample consists mostly of quartz-feldspar-mica rock fragments.

SIGNED BY:

Robert J. Dillman Apr. 8/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 11

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 79.4

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 2.6 grams
NONMAGNETIC FRACTION: 76.8 grams
TOTAL 79.4 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 42.6 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				40%															Tr.		
PINK				55%																	
BROWN																3 g		Tr.			
BLACK										2 g							1 %	3%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%						2 g						3 g	1%	3%	Tr.	Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: several pinkish-purple almandine fragments as seen in DDI-5-14.
2 mica-brown amphibole composites as seen in DDI-5-10.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 13

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 104.6

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 5 grams

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 99.6 grams

TOTAL 104.6 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 40.2 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.	
ORANGE			30%																1%		
PINK			40%																	3 g	
BROWN																		1%		10 g	
BLACK															Tr.		6 g	5%			
Br. GREEN																					
Dk. GREEN								1 g										5%			
YELLOW																					
CLEAR																					
SILVER																					
TOTAL			70%					1 g							Tr.		6 g	11%	1%	Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant fresh pinkish purple garnet which could be metamorphic eclogite, abundant quartz - garnet - amphibole composites.

SIGNED BY:

RJD Apr. 8/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 14

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 68 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 68 grams
TOTAL 68 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 68 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				?																5%	
ORANGE				25%															Tr.		
PINK				25%																	?
BROWN																5 g		5%			15%?
BLACK															15%		3%	5%			
Br. GREEN																					
Dk. GREEN							3%	?										1%			
YELLOW																				Tr.	
CLEAR																					
SILVER																					
TOTAL				50%			3%	?							15%	5 g	3%	11%	1%	5%	15%?

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

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: 0 distance to sphene-corundum-enstatite-amphibole source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: unique heavy mineral concentrate similar to DDI-5-7 abundant fresh minerals: amphiboles, corundum, garnet, spinel, enstatite.

SIGNED BY:

COMMENTS: yellow sphene could be sillimanite, abundant large fragments of euhedral crystals some with inclusions of graphite abundant fresh pink and orange corundum could be garnet. Abundant subhedral to shapeless crystals of black and dark green amphibole. Red zircon could be red almandine, some pinkish-purple almandine from an immediate source.

ROBERT J. DILLMAN

Robert J. Dillman Apr 25/02

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-5-15

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 57.5 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 57.5 grams
TOTAL 57.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 57.5 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																					Tr.	
LILAC																						
RED				Tr.																	Tr.	
ORANGE				30%																		
PINK				20%																		
BROWN							10 g ?														20%	
BLACK											4 g				Tr.		Tr.				20%	
Br. GREEN																						
Dk. GREEN							7 g	1%													5%	
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				50%			17 g ?	1%			4 g				Tr.		Tr.				45%	1%

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: sample close to enstatite & amphibole source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 1 blue spinel.

COMMENTS: most biotite in composite with quartz-feldspar-garnet, fresh brown & black amphiboles, good number of subhedral to anhedral crystals of dark green amphibole or clinopyroxene.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 16

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 89.3

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 89.3 grams
TOTAL 89.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 89.3 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				1%																	?	
ORANGE				70%																		
PINK				20%																		
BROWN																					Tr.	
BLACK															1%						5%	
Br. GREEN																						
Dk. GREEN								10 g													?	
YELLOW																					Tr.	
CLEAR																						
SILVER																						
TOTAL				91%				10 g													6%	?

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: source close for yellow & brown amphibole + cpx.
source close for black amphibole + mica.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: several yellow & brown amphibole with inclusions of green cpx. Several yellow amphibole with inclusions of black mica. Some black amphibole with black mica.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 19

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 45.7 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 45.7 grams
TOTAL 45.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 45.7 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																						
LILAC																						
RED				Tr.																	2%	
ORANGE				40%															Tr.			
PINK				45%																		
BROWN																1 g						
BLACK															Tr.		Tr.	3%				
Br. GREEN																						
Dk. GREEN																		2 g				
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%											Tr.	1 g	Tr.	3%	Tr.	2%		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: moderately thick clay coating 80% of grains.

COMMENTS:

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 20

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 49.1 SIZE FRACTION: <5.0 - >1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 49.1 grams
TOTAL 49.1 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 49.1 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 ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				15%																		
PINK				1 g																		
BROWN																						
BLACK											1 g								20%			
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				15%							1 g								20%			

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: no pink garnet, background of quartz-feldspar-garnet-hornblende-biotite composites.

SIGNED BY:

Robert J. Dillman March 20, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 20

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 40 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 40 grams
TOTAL 40 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 40 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.	
ORANGE				40%															2%		
PINK				50%																	1 g
BROWN																					
BLACK															2%			3%			
Br. GREEN																		Tr.			
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%											2%			3%	2%	Tr.	1 g

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: orange pellets of sphene, present in most samples, different than yellow sphene found by pipes.

SIGNED BY:

Robert J. Dillman March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

NO OBVIOUS KIMBERLITE INDICATOR MINERALS

SAMPLE NUMBER: DDI - 5 - 22

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 16 SIZE FRACTION: <5.0-1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 16 grams
TOTAL 16 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 16 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				10%																	
PINK				5%																	
BROWN																					
BLACK													1 g					5%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				15%									1 g					5%			

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: black amphibole source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: moderate clay coating on grains.
several fragments of euhedral black amphibole.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 22

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 36.2

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 36.2 grams
 TOTAL 36.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 36.2 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																					3 g	
ORANGE				45%															Tr.			
PINK				35%																		
BROWN																						
BLACK												2 g?			3%		Tr.	5%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				80%								2 g?			3%		Tr.	5%	Tr.	3 g		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: source of black amphibole crystals close to sample site

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: strong clay coating on grains.
 Several euhedral black amphibole crystal, well-preserved. Dark red zircon fragments could be garnet.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 23

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 42.8

SIZE FRACTION: <5.0 - >1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 42.8 grams
TOTAL 42.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 42.8 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				25%																		
PINK				5%																		
BROWN											8 g	5 g										
BLACK																						
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				30%							8 g	5 g										

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

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: mica, feldspar sources proximal sample site

TOTAL KIMBERLITE OR RELATED MINERALS: 13 grains

OTHER MINERALS OF INTEREST: +5.0 mm grains of white and orange feldspar, phlogopite, biotite, orange garnet.

SIGNED BY:

COMMENTS: bleached phlogopite indicative of lamprophyre dikes, large zoned grains

RJD March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

LARGE PHLOGOPITE GRAINS, PROXIMAL SOURCE

SAMPLE NUMBER: DDI - 5 - 23

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 48.8 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 48.8 grams
TOTAL 48.8 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 48.8 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																					3 g	
LILAC																						
RED																						
ORANGE				40%															Tr.		?	
PINK				40%																	?	
BROWN																		Tr.			5 g	
BLACK															Tr.			10%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																		Tr.				
CLEAR																						
SILVER																						
TOTAL				80%											Tr.			10%	Tr.		8 g	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: strong clay coating on grains.

COMMENTS: some pink and orange garnet could be corundum or zircon. Traces of black metallic mineral of unknown composition as seen in DDI- 5 - 6.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 5 - 24

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 60 SIZE FRACTION: <5.0 - 1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 60 grams
TOTAL 60 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 60 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				20%																		
PINK				10%																		
BROWN																					1%	
BLACK											12 g				1 g						1%	
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				30%							12 g				1 g						2%	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: source of biotite close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: several rusty-brown grains.

COMMENTS: large black biotite grains could be from a metamorphic source, several with garnet inclusions.
65% quartz - feldspar - mica - amphibole rock fragments.

SIGNED BY:

Robert J. Dillman Apr. 8/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-1

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 93.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.6 grams
NONMAGNETIC FRACTION: 93.1 grams
TOTAL 93.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 93.1 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					Tr.
ORANGE				1%																2%	
PINK				95%																	
BROWN																					
BLACK															Tr.		Tr.				
Br. GREEN																					
Dk. GREEN								1 g													
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				96%				1 g							Tr.		Tr.		2%	Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 1 purplish-pink almandine.

SIGNED BY:

RJD Sept 17, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 74.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 74.7 grams
TOTAL 74.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 74.7 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																1%	
PINK				95%																	
BROWN																					
BLACK													11 g		Tr.		1%				
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				96%									11 g		Tr.		1%		1%		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

SIGNED BY:

COMMENTS: 1 purplish-pink almandine. Trace sillimanite?.

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 67.6 SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0.8 grams
NONMAGNETIC FRACTION: 66.8 grams
TOTAL 67.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 66.8 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	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				Tr.																1%	
PINK				95%																	
BROWN											2 g										
BLACK													13 g				1%				
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%							2 g		13 g				1%		1%		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

SIGNED BY:

COMMENTS: Trace sillimanite?.

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-4

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 82.1

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 82.1 grams
TOTAL 82.1 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 82.1 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	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																					3 g	
ORANGE				30%																10%		
PINK				60%																		
BROWN																						
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											Tr.		Tr.	Tr.	10%			

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 3 large zircon fragments.

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-5

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 88.3

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 88.3 grams
TOTAL 88.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 88.3 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				30%																20%		
PINK				50%																		
BROWN																						
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				80%											Tr.		Tr.	Tr.	20%			

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 1 large hematite grain. Abundant orange sphene.

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-6

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 81.9

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 81.9 grams
TOTAL 81.9 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 81.9 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				30%																Tr.	
PINK				70%																	
BROWN																					
BLACK															Tr.		Tr.	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				100%											Tr.		Tr.	Tr.	Tr.		

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

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE: sillimanite? source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Trace dark orange-red almandine. Trace clear sillimanite?

SIGNED BY: *Robert J. Dillman* MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-9

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 113

SIZE FRACTION: <0.5 millimetres

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

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 58.1 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																					4 g	
LILAC																						
RED																					Tr.	
ORANGE				40%																	Tr.	
PINK				50%																		
BROWN																					Tr.	
BLACK															5 %		1%	5%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											5 %		1%	5%	Tr.	Tr.		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 5% dark orange-red almandine could be eclogite?. Trace whitish-brown amphibole with inclusions of magnetite.

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-10

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 99.2 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 99.2 grams
TOTAL 99.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 56.5 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																						
LILAC																						
RED																					Tr.	
ORANGE				30%																5%		
PINK				50%																		
BROWN																					1%	
BLACK															5%		1%		5%			
Br. GREEN																						
Dk. GREEN								1 g													1%	
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				80%				1 g							5%		1%	7%	5%		Tr.	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Trace sillimanite?. Increase in various coloured amphiboles. Some dark green amphibole in quartz, black amphibole or brown mica.

SIGNED BY:

Robert J. Dillman MA 26/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-11

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 119.1

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 119.1 grams
TOTAL 119.1 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 62.3 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				?																Tr.	
ORANGE				10%															35%		
PINK				50%																	
BROWN																					
BLACK															2%		2%	1%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				60%											2%		2%	1%	35%	Tr.	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to orange sphene source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Some orange sphene could be orange garnet.

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 6 - 12

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 10.7

SIZE FRACTION: <1.0 - 0.5 mm

MAGNETIC FRACTION: 0.1 grams
 NONMAGNETIC FRACTION: 10.6 grams
 TOTAL 10.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 10.6 grams

DATE: September 2001

NUMBER GRAINS SUBMITTED FOR ANALYSES: 7

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE: September 2001

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																					3 g	
LILAC																						
RED																						
ORANGE				Tr.																		
PINK				95%																		
BROWN																						Tr.
BLACK													18 g		Tr.		3%	Tr.				
Br. GREEN																						
Dk. GREEN							1 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%			1 g						18 g		Tr.		3%	Tr.			Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS:

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED: 1 Ca-Mg Almandine

NON KIMBERLITIC: 3 rutile, 3 ilmenite

SIGNED BY:

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-12

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 75.8

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 75.8 grams

TOTAL 75.8 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 59.5 grams

DATE: MAY 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																						
LILAC																						
RED																						
ORANGE				40%																5%		
PINK				50%																		
BROWN																						
BLACK															1%		1%	1%				
Br. GREEN																						
Dk. GREEN																			Tr.			
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											1%		1%	1%	5%			

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 1 clear blue pellet-shaped spinel, 0.3 mm.

COMMENTS: Trace sillimanite?.

SIGNED BY:

RJD MAR 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-13

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 90.8 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 90.8 grams
TOTAL 90.8 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 90.8 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	SPHENE	ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE				AMPHI.
PURPLE																					
LILAC																					
RED																				Tr.	
ORANGE				30%																Tr.	
PINK				60%																	
BROWN																				Tr.	
BLACK															1%		Tr.	Tr.			
Br. GREEN																					
Dk. GREEN								2 g											?		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%				2 g								1%		Tr.	1%	Tr.	Tr.

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 1 clear blue spinel octahedral crystal 0.2 mm.

COMMENTS: 8 pellet-shaped pink almandine. 5% dark orange-red almandine.
Enstatite could be amphibole.

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-14

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 102.5

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 102.5 grams
TOTAL 102.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 102.5 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 ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					3 g
LILAC																					
RED																				Tr.	
ORANGE				25%															4%		
PINK				70%																	
BROWN																					
BLACK															Tr.		1%				
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%											Tr.		1%		4%	Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: rutile source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: many rutile as subhedral crystal.

SIGNED BY:

Robert J. Dillman MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-15

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 108.7

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 108.7 grams
TOTAL 108.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 77.8 grams

DATE: MAY 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																						
LILAC																						
RED																						
ORANGE				15%																5%		
PINK				80%																		
BROWN																						
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																1 g						
TOTAL				95%											Tr.	1 g	Tr.	Tr.	5%			

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 MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-16

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 108.3

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 108.3 grams
TOTAL 108.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 73.6 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				20%																5%		
PINK				45%																		
BROWN																						
BLACK															Tr.		1%					
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				65%											Tr.		1%		5%			

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to sillimanite? & rutile source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 30% clear and clear yellow sillimanite? many fragments of euhedral-subhedral rod-like crystals.
Most rutile in subhedral crystal form.

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-17

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 89.7 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 89.7 grams
TOTAL 89.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 59.7 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																					3 g		
LILAC																							
RED				Tr.																	Tr.		
ORANGE				60%																	Tr.		
PINK				30%																			
BROWN																							
BLACK												4 g?			1%						1%		
Br. GREEN																							
Dk. GREEN																					Tr.		
YELLOW																							
CLEAR																							
SILVER																							
TOTAL				90%								4 g?			1%						1%	Tr.	Tr.

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: 15 hematite grains. Trace of rusty unidentifiable oxide grains. 1 potential chromite octahedron
3 pellet-shaped grains.

MICROPROBE RESULTS

KIMBERLITIC GRAINS

NON KIMBERLITIC GRAINS: 1 Rutile, 1 ilmenite, 1 rutile + ilmenite, 1 Ti - magnetite

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-18

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 97.6

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 97.6 grams

TOTAL 97.6 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 97.6 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 ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																					8 g	
ORANGE				10%																10%		
PINK				70%																		
BROWN																			Tr.			
BLACK															2%		1%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				80%											2%		1%	1%	10%		8 g	

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: sillimanite? source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Trace dark orange-red almandine. 5% clear sillimanite?, many fragments of euhedral to subhedral shaped crystal.

SIGNED BY:

Robert J. Dillman MAY 27/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-19

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 90.6

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 90.6 grams
TOTAL 90.6 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 73 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																					12 g
LILAC																					
RED																					3 g
ORANGE				15%																	2%
PINK				80%																	
BROWN																					Tr.
BLACK															1%		1%				Tr.
Br. GREEN																					
Dk. GREEN								2 g													Tr.
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%				2 g							1%		1%	1%	2%	15 g	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: brown amphibole source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace sillimanite?. Trace black metallic with peacock tarnish, nonmagnetic. Increase in various brown amphibole. Some brown amphibole with black inclusions of rutile?, black amphibole or fine mica.

SIGNED BY:

Robert J. Dillman MAY 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-20

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 71.8 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 71.8 grams
TOTAL 71.8 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 71.8 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																					5 g	
LILAC																						
RED																						
ORANGE				50%															Tr.			
PINK				45%																		
BROWN																						
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																			1 g			
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											Tr.		Tr.	Tr.	Tr.	Tr.	5 g	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 1% sillimanite. trace nonmagnetite black metallic with peacock tarnish (ilmenite?), several grains as large sub-pellet shaped grains.

SIGNED BY:

Robert J. Dillman MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-21

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 93.2

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 93.2 grams
TOTAL 93.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 67.1 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																					3 g
LILAC																					
RED				?																	Tr.
ORANGE				25%																	
PINK				70%																	
BROWN																					
BLACK															Tr.		Tr.	Tr.			
Br. GREEN																					
Dk. GREEN																					7 g
YELLOW																	3 g				
CLEAR																					
SILVER																					
TOTAL				95%											Tr.	3 g	Tr.	Tr.			

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace dark orange-red almandine. Some red zircon could be almandine.
Several rusty-yellow pyrite. Small clinopyroxene or amphibole.

SIGNED BY:

RJD MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-22

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 126.1

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 126.1 grams
TOTAL 126.1 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 65.5 grams

DATE: MAY 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																						
LILAC																						
RED				Tr.																		
ORANGE				50%																		
PINK				45%																		
BROWN																					Tr.	
BLACK												?	?		Tr.						Tr.	
Br. GREEN																						
Dk. GREEN								3 g														Tr.
YELLOW																	3%					
CLEAR																						
SILVER																						
TOTAL				95%				3 g							Tr.	3%					1%	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to sulphide zone.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace ilmenite. Trace black and grey translucent silicate, some pellet-shaped grains. Some pyrite has inclusions of quartz, graphite. Trace nonmagnetic black metallic with peacock tarnish. SULPHIDE TARGET

SIGNED BY: *RJD* May 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-23

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 96 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 96 grams
TOTAL 96 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 67.5 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																						
ORANGE				50%																	10%	
PINK				40%																		
BROWN																						
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											Tr.		Tr.	Tr.	10%	2 g		

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: several epidote grains. 8 hematite.

SIGNED BY:

R. J. Dillman MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-24

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 86.6

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 86.6 grams
TOTAL 86.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 43 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																					4 g	
LILAC																						
RED																						
ORANGE				5%																Tr.		
PINK				80%																		
BROWN																						
BLACK															5 %		1%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%											5 %		1%	Tr.	Tr.		4 g	

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: source of dark orange-red zircon close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: dark orange-red almandine could be eclogite.

SIGNED BY:

Robert J. Dillman MAY 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-25

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 81.3 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 81.3 grams
TOTAL 81.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 81.3 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																					5 g	
LILAC																						
RED																						
ORANGE				5%																		
PINK				60%																		
BROWN											3 g											
BLACK																		10%				
Br. GREEN						2 g ?																
Dk. GREEN							Tr.															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				65%		2 g ?	Tr.				3 g										10%	5 g

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

KIMBERLITE OR RELATED MINERALS: YES?

TOTAL KIMBERLITE OR RELATED MINERALS: Tr.

DISTANCE ESTIMATE: enstatite, black amphibole & zircon source proximal site.

OTHER MINERALS OF INTEREST: chrome clinopyroxene lost.

COMMENTS: Trace dark orange-red almandine fragments similar to DDI-6-24. Most black amphibole in composite with white feldspar-quartz-garnet, source close. Euhedral crystals zircon.

SIGNED BY:

Robert J. Dillman MAY 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-26

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 93.3 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 93.3 grams
TOTAL 93.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 40 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																					10 g	
LILAC																						
RED																						
ORANGE				Tr.																	5%	
PINK				50%																		
BROWN											2%											
BLACK															Tr.		1%					
Br. GREEN						1 g																
Dk. GREEN							2 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				50%		1 g	2 g				2%				Tr.		1%		5%	10 g		

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

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: 0 distance to almandine-sillimanite?-graphite-zircon-biotite(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: two colour of orange almandine garnet.

COMMENTS: several dark orange-red almandine fragments as in DDI-6-25, fresh pink and light orange, sillimanite?, graphite zircon, orange sphene. Abundant graphite flakes 1%. Chrome cpx <0.2 mm. Biotite metamorphic?

SIGNED BY:

Robert J. Dillman MAY 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-26

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 51.2 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 51.2 grams
TOTAL 51.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 51.2 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																					3 g	
LILAC																						
RED																					3 g	
ORANGE				5%																		
PINK				80%																		
BROWN																						
BLACK											3%				Tr.		2%					
Br. GREEN																						
Dk. GREEN							2 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%			2 g				3%				Tr.		2%				6 g	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: thin clay coating on 20% of grains.

COMMENTS: 10% clear sillimanite. Several biotite in composite with pink garnet.
Abundant fresh pink almandine.

SIGNED BY:

RJD May 23/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-27

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 51.3 SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 51.3 grams
TOTAL 51.3 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 51.3 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																					3 g	
ORANGE				5%																		
PINK				70%																		
BROWN																						
BLACK															2 %		2%	2%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				70%											2 %		2%	2%			3 g	

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: pink almandine source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: fresh pink almandine garnet, many in composite with quartz-feldspar-sillimanite-biotite.

SIGNED BY:

Robert J. Dillman May 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-28

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 64 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 64 grams
TOTAL 64 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 64 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																					1 g	
LILAC																						
RED																						5 g
ORANGE				30%																		10%
PINK				60%																		
BROWN																						
BLACK															Tr.		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN							1 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%			1 g								Tr.		Tr.	Tr.		10%		6 g

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace sillimanite?. 1 rusty unidentifiable grain.

SIGNED BY: *RJD Dillman* MAY 30/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-28

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 42.2

SIZE FRACTION: >1.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 42.2 grams
TOTAL 42.2 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 42.2 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				10%																	
PINK				70%																	
BROWN											2 g										
BLACK															1 g						
Br. GREEN																		1 g			
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				80%							2 g				1 g			1 g			

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

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: pink almandine and graphite sources close to site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant fresh pink almandine, many in composite with quartz-feldspar-sillimanite, some with graphite inclusions. Biotite could be metamorphic source.

SIGNED BY:

[Signature] MAY 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-29

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 94.5

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 94.5 grams
TOTAL 94.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 55.7 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				1 g													3 g					
ORANGE				50%															3%			
PINK				30%																		
BROWN																						
BLACK													7 g?		1%		Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				80%									7 g?		1%		Tr.	Tr.	3%			

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: Traces of unknown black metallic with peacock tarnish nonmagnetic as in DDI-5-17, several red rutile, several rusty silicates with inclusions of graphite.

SIGNED BY:

RJD MAY 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-30

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 62.6

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 62.6 grams
TOTAL 62.6 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 41.9 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				Tr.?															Tr.		
PINK				Tr.?																	Tr.?
BROWN											5%							Tr.			Tr.?
BLACK											Tr.						Tr.	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																3 g					Tr.?
CLEAR																					
SILVER																					
TOTAL				1%?							5%					3 g	Tr.	1%	1%?		1%?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: ??

DISTANCE ESTIMATE:

0 distance to graphite-orange silicate-corundum?-sphalerite? source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: rust coating 80% of grains.
most grains from an immediate source.

COMMENTS: abundant biotite flakes (metamorphic source?) some in composite with white silicate. Pink & orange garnet could be corundum. 1% unknown black metallic could be sphalerite. 5% unknown dull orange translucent silicate.

Yellow sphene could be sillimanite.

UNIQUE SAMPLE: LAMPROPHYRE SOURCE WITH CORUNDUM??

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-31

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 64.4 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 64.4 grams
TOTAL 64.4 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 46.5 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	SPHENE	ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.				
PURPLE																						
LILAC																						
RED																				1 g		
ORANGE				90%															1%		?	
PINK				Tr.?																	?	
BROWN											Tr.											
BLACK															Tr.		Tr.					
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%							Tr.					Tr.		Tr.		1%	1 g	?

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

KIMBERLITE OR RELATED MINERALS: ??

DISTANCE ESTIMATE: potential lamprophyre ? in vicinity to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace of minerals seen in DDI- 6-30 including potential pink and orange corundum.

SIGNED BY:

RJD Dillman MAY 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-32

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 44.5 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: YES
NONMAGNETIC FRACTION: 44.5 grams
TOTAL 44.5 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 44.5 grams DATE: MAY 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

Table with columns for COLOUR, GARNET (PYROPE, ECLOGITE, ANDRADITE, ALMD), PYROXENE (Cr DIOP, Cr CPX, ENSTATITE, AUGITE), OLIVINE, MICA (PHLOGO, BIOTITE), OPAQUES (CHROMITE, Mg ILMENITE, PEROV, MAG, PYRITE, RUTILE), OTHER (AMPHI, SPHENE, ZIR, CORUN).

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

KIMBERLITE OR RELATED MINERALS: ??

DISTANCE ESTIMATE: potential lamprophyre ? in vicinity to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: slight increase in potential corundum-lamprophyre minerals as seen in DDI-6-30. Trace graphite. Trace potential sphalerite.

SIGNED BY: [Signature] MAY 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-33

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 47.5

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 47.5 grams
TOTAL 47.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 47.5 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																					
LILAC																					
RED				?																	7 g?
ORANGE				Tr.																	5%
PINK				80%																	
BROWN																					
BLACK													?		10%				5%		
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				80%									?		10%				5%	5%	7 g?

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: potential lamprophyre ? in vicinity to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: red zircon could be red almandine. Increase in magnetite, many in composite with quartz or white feldspar.

SIGNED BY: *R. J. Dillman* MAY 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-34

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 95.1

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 95.1 grams
TOTAL 95.1 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 95.1 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																				1 g	
ORANGE				5%															5%		
PINK				85%																	5 g?
BROWN											3 g										
BLACK															Tr.		5%				
Br. GREEN																					
Dk. GREEN																			1 g		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%							3 g				Tr.		5%	1 g	5%	3 g	5 g?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: potential pink corundum. Traces of grains seen in DDI-6-30. 7 pellet-shaped pink almandine, could be corundum.

SIGNED BY: *[Signature]* MAY 21/02

ROBERT J. DILLMAN

SAMPLE NUMBER: DDI-6-35

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 115.4

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 115.4 grams
TOTAL 115.4 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 64.7 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																					Tr.	
LILAC																						
RED																						
ORANGE				35%																	1%	
PINK				60%																		
BROWN																						
BLACK															1%		2%					
Br. GREEN																						
Dk. GREEN																					1 g	
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											1%		2%	1 g	1%	Tr.		

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to purple zircon source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: most purple zircon <0.3 mm.

SIGNED BY:

[Handwritten Signature] May 21/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-36

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 72 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 72 grams
TOTAL 72 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 49.2 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																					Tr.	
LILAC																						
RED																					7 g	
ORANGE				40%															15%			
PINK				45%																		
BROWN																						
BLACK															Tr.		1%	Tr.				
Br. GREEN																						
Dk. GREEN						1 g													3 g			
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%		1 g									Tr.		1%	Tr.	15%	Tr.		

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: orange sphene and orange garnet source(s) close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: fresh orange garnet and sphene. Cr clinopyroxene <0.2 mm.

SIGNED BY:

RJD MAY 21/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-37

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 113

SIZE FRACTION: <0.5 millimetres

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

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 61.5 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																					3 g
LILAC																					
RED																					12 g
ORANGE				30%																	5%
PINK				60%																	
BROWN																					
BLACK															2%		1%	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%											2%		1%	Tr.	5%	15 g	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 12 g of dark orange-red almandine could be zircon, large grains +0.5 mm.

SIGNED BY:

Robert J. Dillman MAY 21/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-38

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 84.6 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 84.6 grams
TOTAL 84.6 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 84.6 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				1 g																?	
ORANGE				25%															3%		
PINK				70%																	
BROWN										1 g											
BLACK															Tr.		Tr.	Tr.			
Br. GREEN																		Tr.			
Dk. GREEN						2 g	4 g														
YELLOW																5 g					
CLEAR																					
SILVER																					
TOTAL				95%		2 g	4 g			1 g					Tr.	5 g	Tr.	1%	3%	?	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: ?

DISTANCE ESTIMATE: pyrite source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: several large dark orange-red almandine fragments some could be Zircon. Small clinopyroxene, large enstatite. Rusty pitted yellow pyrite.

SIGNED BY:

RJDillman MAY 24/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-39

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 35.1

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 35.1 grams
TOTAL 35.1 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 35.1 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																						3 g		
LILAC																								
RED																							5 g	
ORANGE				5%																			5%	?
PINK				85%																				?
BROWN																								Tr.
BLACK																								Tr.
Br. GREEN																								
Dk. GREEN																								
YELLOW																								
CLEAR																								
SILVER																								
TOTAL				90%																				Tr.

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: rusty black amphibole source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: many black amphibole in composite with white feldspar, rusty. Trace dull orange silicate as seen in DDI-6-30.
Trace clear sillimanite. Some pink & orange almandine could be corundum. No mica.

SIGNED BY:

Robert J. Dillman May 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-40

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 80.5 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 80.5 grams
TOTAL 80.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 52.2 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																				5%	
ORANGE				30%																	
PINK				30%																	
BROWN																				5%	
BLACK											1 g				5%		1%	15%			
Br. GREEN																					
Dk. GREEN																				Tr.	
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				60%							1 g				5%		1%	20%		5%	

KIMBERLITE OR RELATED MINERALS: NO?

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

TOTAL KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE: 0 distance to black amphibole - red zircon source(s).

OTHER MINERALS OF INTEREST:

COMMENTS: 5% black amphibole - light brown feldspar - biotite rock fragments. Trace of red zircon - light brown amphibole composites. Fresh orange garnet, black and brown amphibole, red zircon rutile and magnetite.

SIGNED BY: *Robert J. Dillman* MAY 23/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-41

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 113.3

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 113.3 grams

TOTAL 113.3 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 67.8 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																					6 g	
LILAC																						
RED																					Tr.	
ORANGE				30%																	1%	
PINK				60%																		
BROWN																						
BLACK															5%		2%	2%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											5%		2%	2%	1%	Tr.		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace black metallic, nonmagnetitic with peacock tarnish (ilmenite?). Trace dull orange silicate: sphene?

Good number of large magnetite grains.

SIGNED BY:

RJ Dillman MAR 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-42

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 41.5 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: YES
NONMAGNETIC FRACTION: 41.5 grams
TOTAL 41.5 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 41.5 grams DATE: MAY 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

Table with columns: COLOUR, GARNET (PYROPE, ECLOGITE, ANDRADITE, ALMD), PYROXENE (Cr DIOP, Cr CPX, ENSTATITE, AUGITE), OLIVINE, MICA (PHLOGO, BIOTITE), OPAQUES (CHROMITE, Mg ILMENITE, PEROV, MAG, PYRITE, RUTILE), OTHER (AMPHI, SPHENE, ZIR, CORUN).

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

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: graphite source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: 90% of grains covered by thick clay coating.

COMMENTS: 1% unknown or silicate, could be sphene. Fresh pink almandine, several in composite with biotite. Several white feldspar with graphite inclusions.

SIGNED BY: [Signature] MAY 23/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-43

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 47.2

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 47.2 grams
TOTAL 47.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 47.2 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	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																				Tr.	
ORANGE				5%															Tr.		
PINK				10%																	
BROWN																					
BLACK											5%				Tr.		Tr.	40%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				15%							5%				Tr.		Tr.	40%	Tr.	Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to graphite-biotite source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: good number of biotite flakes and cluster grains. 40% white/ light brown silicate, many rusty with inclusions of graphite and biotite. 2% graphite flakes some +0.5 mm.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

IMMEDIATE GRAPHITE SOURCE.

SAMPLE NUMBER: DDI-6-44

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 59 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: YES
NONMAGNETIC FRACTION: 59 grams
TOTAL 59 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 59 grams DATE: MAY 2002

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 percentages and weights.

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to zircon source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: thin clay coating 80% of grains.

COMMENTS: trace black metallic, nonmagnetic with peacock tarnish (ilmenite?). Well-preserved purple-brown subhedral zircon. Trace dark orange-red almandine.

SIGNED BY:

Handwritten signature and date MAY 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

ZIRCON TARGET

SAMPLE NUMBER: DDI-6-45

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 122.5

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 122.5 grams

TOTAL 122.5 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 54 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																						6 g
LILAC																						
RED																						6 g
ORANGE				50%																		5%
PINK				40%																		
BROWN																						
BLACK															2%		1%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											2%		1%	Tr.	5%	12 g		

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 2% black metallic, nonmagnetic with peacock tarnish (ilmenite?). Fresh orange sphene Trace unknown rusty grains.

SIGNED BY:

Robert J. Dillman May 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-46

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 88 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 88 grams
TOTAL 88 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 49 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																					10 g	
LILAC																						
RED																						Tr.
ORANGE				25%																		Tr.
PINK				70%																		
BROWN											1%											
BLACK															1%	1%	Tr.					
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%							1%				1%	1%	Tr.				1%	

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

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: orange zircon-biotite source(s) close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: several large subhedral orange zircon crystals. Most biotite as small flakes, several cluster grains. Occasional rusty unidentifiable grain. Several rusty white feldspar with graphite inclusions.

SIGNED BY:

Robert J. Dillman MAY/25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-47

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 110.7

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 110.7 grams
TOTAL 110.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 53.9 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				?																	15%	
ORANGE				30%																	Tr.	
PINK				40%																		
BROWN																					1%	
BLACK															5%		Tr.	10%				
Br. GREEN																						
Dk. GREEN							2 g															
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				70%			2 g								5%		Tr.	11%			15%	

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

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE: 0 distance to black amphibole-red and orange zircon-magnetite source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant fresh red zircon and black amphibole, some in composite. Good number of large magnetite grains. some red zircon could be orange-red almandine. Some black amphibole in composite with feldspar and orange garnet or brown amphibole.

SIGNED BY: *RJD Dillman* MAY 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-48

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 49.6 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: YES
NONMAGNETIC FRACTION: 49.6 grams
TOTAL 49.6 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 49.6 grams DATE: MAY 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

Table with columns: COLOUR, GARNET (PYROPE, ECLOGITE, ANDRADITE, ALMD), PYROXENE (Cr DIOP, Cr CPX, ENSTATITE, AUGITE), OLIVINE, MICA (PHLOGO, BIOTITE), OPAQUES (CHROMITE, Mg ILMENITE, PEROV, MAG, PYRITE, RUTILE), OTHER (AMPHI, SPHENE, ZIR, CORUN).

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: rutile-zircon source in area.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: small subhedral purple-brown zircon and rutile crystals. Occasional rusty unidentifiable grains. Several rusty whitish-brown feldspar with graphite.

SIGNED BY:

Handwritten signature and date: MAY 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-49

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 81.5 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 81.5 grams
TOTAL 81.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 60 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																					
LILAC																					
RED				?																	1%
ORANGE				25%																Tr.	
PINK				70%																	
BROWN																					
BLACK															1%		1%	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%											1%		1%	Tr.	Tr.	1%	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: some red zircon could be or-red almandine. Occasional rusty unidentifiable grain.

SIGNED BY:

RJD MAY 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-50

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 68 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 68 grams
 TOTAL 68 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 68 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	AMPH.	SPHENE			
PURPLE																					1 g	
LILAC																						
RED				?																	10 g	
ORANGE				5%																40%		
PINK				50%																		
BROWN																						
BLACK															1%		2%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				55%											1%		2%	Tr.	40%		11 g	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to orange sphene-rutile source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace sillimanite?. Abundant orange sphene, some could be orange almandine.
 Most rutile as subhedral crystals or fragments of crystals. Some red zircon could be dark orange-red almandine.

SIGNED BY:

RJD MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-53

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 107.4

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 107.4 grams
TOTAL 107.4 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 59.5 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																						
LILAC																						
RED																					Tr.	
ORANGE				50%																		
PINK				45%																		
BROWN																						
BLACK															Tr.		1%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											Tr.		1%	Tr.			Tr.	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 1% nonmagnetic black metallic with peacock tarnish. Several rusty unidentifiable grains.

SIGNED BY:

Robert J. Dillman MAY 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-54

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 123

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 123 grams

TOTAL 123 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 65.1 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				20%																Tr.	
PINK				65%																	
BROWN			3 g																		
BLACK												2 g	?		Tr.		1%	Tr.			
Br. GREEN																					
Dk. GREEN																					
YELLOW																3%					
CLEAR																					
SILVER																2%					
TOTAL			3 g	95%								2 g	?		Tr.	5%	1%	Tr.	Tr.		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to polymetallic sulphide source.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace epidote. 2% black nonmagnetitic metallic with peacock tarnish, 3% hematite. 5% fresh dark pinkish-purple inclusion-filled almandine. Several euhedral brown garnets could be andradite.

SIGNED BY:

Robert J. Dillman MAY 23/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

POLYMETALLIC SULPHIDE TARGET

SAMPLE NUMBER: DDI-6-54

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 42.8 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 42.8 grams
TOTAL 42.8 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 42.8 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				10%															2%		
PINK				80%																	
BROWN																					
BLACK												1 g			1%			Tr.			
Br. GREEN																					
Dk. GREEN							Tr.											Tr.			
YELLOW																1%					
CLEAR																					
SILVER																					
TOTAL				90%			Tr.					1 g			1%	1%		1%	2%		

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: sulphide zones proximal to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: trace of unidentifiable rusty oxides. Most dark green clinopyroxene <0.2 mm, some could be amphibole.
1% light green enstatite. Trace hematite. 2% orange-red almandine.

SIGNED BY:

Robert J. Dillman MAY 24/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

POTENTIAL SULPHIDE TARGET.

SAMPLE NUMBER: DDI-6-55

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 104.5

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 104.5 grams
TOTAL 104.5 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 40 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				1 g																	3 g	
ORANGE				30%															Tr.			
PINK				60%																		
BROWN											1 g										Tr.	
BLACK												3 g	?		1%	2 g	Tr.	Tr.				
Br. GREEN																						
Dk. GREEN																					Tr.	
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%							1 g	3 g	?		1%	2 g	Tr.	1%	Tr.	3 g		

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: hematite-magnetite source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 5% hematite grains, many large grains and pellet-shaped grains. 1% rusty oxide grains.
Trace epidotite. Trace dark orange-red almandine. Various coloured amphiboles.

SIGNED BY:

Robert J. Dillman MAY 22/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

HEMATITE-MAGNETITE TARGET

SAMPLE NUMBER: DDI-6-56

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 54 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 54 grams
TOTAL 54 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 54 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				90%																1%		
PINK				5%																		?
BROWN																						
BLACK															1%		1%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%											1%		1%	Tr.	1%			?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: significant increase in orange almandine, trace orange-red almandine. Some pink garnet could be corundum.

SIGNED BY:

RJD MAY 21/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-57

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 65.6

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 65.6 grams
TOTAL 65.6 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 44 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																					3 g
LILAC																					
RED																			2%	3 g	
ORANGE				20%																	
PINK				75%																	
BROWN																					
BLACK															Tr.		3%				
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				95%											Tr.		3%		2%	6 g	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: 5% dark orange-red almandine, some could be zircon.

SIGNED BY:

RJD MAY 23/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-58

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 94.6 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: YES
NONMAGNETIC FRACTION: 94.6 grams
TOTAL 94.6 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 59.1 grams DATE: MAY 2002

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 data for ORANGE, PINK, and TOTAL.

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: rutile source close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: many subhedral to anhedral shaped crystals of rutile. Several light brown amphibole with inclusions of rutile and orange sphene?

SIGNED BY: [Signature] MAY 23/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-59

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 101.2

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 101.2 grams
TOTAL 101.2 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 49 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				30%																3%	
PINK				60%																	
BROWN																					
BLACK															5%		1%	1%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%											5%		1%	1%	3%		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: rust coating on 10% of the grains. Potential sulphides in area.

SIGNED BY:

RJD MAY 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-6-60

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 65.7

SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 65.7 grams
TOTAL 65.7 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 65.7 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																					3 g	
LILAC																						
RED																					Tr.	
ORANGE				5%																	40%	
PINK				50%																		
BROWN																1%						
BLACK												?	?		Tr.		1%	Tr.				
Br. GREEN																						
Dk. GREEN																2%						
YELLOW																						
CLEAR																2%						
SILVER																						
TOTAL				55%											Tr.	5%	1%	Tr.	40%	Tr.		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE: 0 distance to sulphide zone.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: some pyrite with inclusions of quartz, calcite, graphite, 1 grain with pink garnet.

SIGNED BY:

Robert J. Dillman MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SULPHIDE TARGET

SAMPLE NUMBER: MC-1

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	AMPHI.	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:

Robert J. Dillman Oct 21/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MC-2

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				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%																	
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:

Robert J. Dillman Oct 25/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MC-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	AMPHI.	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.	

KIMBERLITE OR RELATED MINERALS: NO

Tr. : Trace (<1%)

g : grains

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

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				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																					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:

Robert J. Dillman Oct 27/01
ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MC-5

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
ARJADEE PROSPECTING

SAMPLE NUMBER: MC-6

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:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MC-7

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				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				Tr.																	
PINK				Tr.																	
BROWN																		90%			
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:

RJD Oct 28/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MC-9

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	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	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?

TOTAL KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

Source for red almandine and mica close to sample site.

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

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	AMPHI.	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 Sept 28/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MC-11

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

TOTAL KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

Source for yellow amphibole close to sample site.

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

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

TOTAL KIMBERLITE OR RELATED MINERALS:

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

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

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		ZIR	CORUN.
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE		
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:

Robert J. Dillman Sept 27/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MC-14

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				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																					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

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 168.6

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 168.6 grams

TOTAL 168.6 grams

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	AMPHI.	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:

June 10, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-1

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

DISTANCE ESTIMATE:

Source for black amphibole close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

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

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	AMPHI.	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%	?	?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

Source for black amphibole close to sample site.

TOTAL KIMBERLITE OR RELATED MINERALS:

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 Oct 1, 2001

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-2

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				OLVINE	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

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

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 11 grams

TOTAL 28.6 grams

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	OLIVINE	PHLOGO	BIOTITE	CHROMITE	ILMENITE	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:

Robert J. Dillman Oct 1/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-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																				2 g	
CLEAR																				4 g	
SILVER												4 g									
TOTAL		2 g		95%								4 g		1 g	Tr.	4 g	3 g	10%	Tr.	3 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:

RJD Sept 11/01

ROBERT J. DILLMAN
 ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-3A

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:

RJD Sept. 10/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-3B

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				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				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:

RJD Sept 12/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-4

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		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				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?

TOTAL KIMBERLITE, POTENTIAL OR RELATED MINERALS:

DISTANCE ESTIMATE:

Source(s) for red garnet and brown amphibole close to sample site.

COMMENTS: Fresh red garnet, some could be red zircon. 2 purplish-pink almandine similar to MACM 2

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-4A

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 3.

MICROPROBE RESULTS:

KIMBERLITIC, POTENTIAL OR RELATED:

NON KIMBERLITIC:

SIGNED BY:

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-5

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	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	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
September 11, 2001

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-6

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				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				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 clinopyroxene 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

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

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 8.5 grams

TOTAL 8.5 grams

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 *Sept 10/01*

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-8

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	AMPHI.	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:

Robert J. Dillman Sept 10/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCW-9

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 Sept 10/01

ROBERT J. DILLMAN
ARJADEE PROSPECTING

SAMPLE NUMBER: MCSS-2

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

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				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		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 Sept 05/01

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: MCSS-4

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
Sept 1, 2001

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

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 50.8 grams

TOTAL 50.8 grams

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 composed from an immediate source.

ICP scan recommended.

IMMEDIATE MAGNETITE SOURCE

SIGNED BY:

[Handwritten signature] March 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: YC-1

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 47.1 SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: NO
NONMAGNETIC FRACTION: 47.1 grams
TOTAL 47.1 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 47.1 grams DATE: MARCH 2002

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, AMPHI, SPHENE, OTHER) and rows for colors (PURPLE, LILAC, RED, ORANGE, PINK, BROWN, BLACK, Br. GREEN, Dk. GREEN, YELLOW, CLEAR, SILVER, TOTAL). Includes percentages and weights like '3 g', '90%', '1%', 'tr.', '2 g'.

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% apatite, clear euhedral to subhedral crystals, coarse biotite in fine olivine-apatite-magnetite-perovskite matrix, abundant very fine grains of perovskite & magnetite, +1.0 mm enstatite megacrysts, olivine fine no megacrysts. MICA-OLIVINE-APATITE-ENSTATITE-MAGNETITE LAMPROPHYRE DIKE

SIGNED BY:

Handwritten signature of Robert J. Dillman

ROBERT J. DILLMAN

Handwritten date: March 1, 2002

ARJADEE PROSPECTING

SAMPLE NUMBER: JMG

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 61.2

SIZE FRACTION: <5.0 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 61.2 grams
TOTAL 61.2 grams

COARSE OR FINER FRACTION AVAILABLE?: NO

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																					
LILAC																					
RED																					
ORANGE				75%																	
PINK																					
BROWN																					
BLACK											Tr.				10%		Tr.?	15%			
Br. GREEN																					
Dk. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL																					

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: rusty coarse-grained metamorphic rock fragments all consisting of almandine garnet - hornblende - magnetite - biotite - quartz - calcite

SIGNED BY:

Robert J. Dillman March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

RUSTY METAMORPHIC ROCK FRAGMENTS

SAMPLE NUMBER: AY-1

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 60.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 3.4 grams
NONMAGNETIC FRACTION: 57.3 grams
TOTAL 60.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 57.3 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%																Tr.	
PINK				60%																	
BROWN																				Tr.	
BLACK													?		1%		Tr.	15%			
Br. GREEN																					
Dk. GREEN																			1%		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				80%									?		1%		Tr.	16%	Tr.		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

SIGNED BY:

RJD Sept 05/01

COMMENTS:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: AY-2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 54.8

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 1 grams
NONMAGNETIC FRACTION: 53.8 grams
TOTAL 54.8 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 53.8 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	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE				20%																Tr.	
PINK				70%																	
BROWN																				Tr.	
BLACK												?	9 g		1%		Tr.	5%			
Br. GREEN																					
Dk. GREEN							Tr.												1%		
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				90%			Tr.					?	9 g		1%		Tr.	6%	Tr.		

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

COMMENTS: 3 purplish-pink almandine

MICROPROBE RESULTS: AY-2 Series

Kimberlitic, Related or Potential: 2 Ca-Mg almandine

NON KIMBERLITIC: 5 rutile

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: AY-3

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 127

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 127 grams
TOTAL 127 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 127 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				15%															Tr.		
PINK				70%																	
BROWN																					3%
BLACK											2 g	1 g	?		Tr.		5%	1%			
Br. GREEN																					
Dk. GREEN							1%	7 g													1%
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				85%		1%	7 g				2 g	1 g	?		Tr.		5%	5%	Tr.		

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

KIMBERLITE OR RELATED MINERALS: YES?

TOTAL KIMBERLITE OR RELATED MINERALS: <1%

DISTANCE ESTIMATE: rutile, brown and green amphibole, enstatite source(s) in area.

OTHER MINERALS OF INTEREST:

COMMENTS: Increase in brown and green amphibole. Increased in green clinopyroxene.

All enstatite are fragments of larger grains. 1 fragment of potential chromite octahedral crystal.
Most green amphibole are pellet-shaped.

SIGNED BY:

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: AY-4

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 118.7

SIZE FRACTION: <1.0 mm

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 118.7 grams
TOTAL 118.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 118.7 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	Gr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CORUN.	
PURPLE																					3 g	
LILAC																						
RED																						
ORANGE				25%																	5%	
PINK				70%																		
BROWN																						
BLACK											1 g				Tr.		1%	Tr.				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				95%							1 g				Tr.		1%	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 23/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING



Lakefield Research Limited
185 Concession St., Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2112
Fax: (705) 652-3123
Email: bjago@lakefield.com

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: December 5, 2000

Client: **Diamond Discoveries International**

LIMS No. **SEP0023.R00 H2RX**

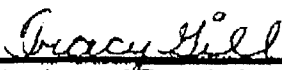
Sample No. **Hawkins #2 Sample 22 & 23**

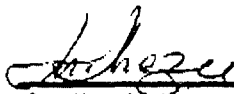
Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Rock fragments
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, graphite, and silicates

Sample Weight: 25.20 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 1

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

LAKEFIELD RESEARCH LIMITED

P.O. Bag 4300, 185 Concession Street, Lakefield, Ontario K0L 2H0

Phone: 705-652-2112

E-mail: bjago@lakefield.com

Fax: 705-652-3123

December 5, 2000

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

LIMS No. SEP0023.R00

Sample No. Hawkins #2 Sample 22 & 23

Client: Diamond Discoveries International

Sample Weight: 25.20 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description
	X	Y	Z	mg	Carats				Morphology
Stones Weighed Individually									
0					0.000000				
				0.000	0.000000	Sub-Total			
Stones Weighed as a Group									
1	0.37	0.26	0.22		0.000000	White	Transparent	85%	Fragment with Crystal Faces, minor cleavages
				0.008	0.000040	Sub-Total			
					0.000040	TOTAL			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

Lakefield Research



Lakefield Research Limited
185 Concession St., Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2112
Fax: (705) 652-3123
Email: bjago@lakefield.com

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 26, 2000

Client: **Diamond Discoveries International**

LIMS No. **SEP0002.R00**

Sample No. **H2RX 007-008**

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 30.22 kg

Total Weight (carats)*: 0.001

Number of Syndites: 9

Number of Diamonds: 8.00

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

** Note: Perovskite was observed in sample.

Selection and Description

Maria Mezei

Assistant Rare and Precious Gem Mineralogist

Quality Control

Tracy Gill

Mineralogy Technician

Note:

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Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

LAKEFIELD RESEARCH LIMITED

P.O. Bag 4300, 185 Concession Street, Lakefield, Ontario K0L 2H0

Phone: 705-652-2112

E-mail: bjago@lakefield.com

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September 26, 2000

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

LIMS No. SEP0002.R00

Sample No. H2RX 007-008

Client: Diamond Discoveries International

Sample Weight: 30.22 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description Morphology
	X	Y	Z	mg	Carats				
Stones Weighed Individually									
0					0.000000				
				0.000	0.000000	Sub-Total			
Stones Weighed as a Group									
1	0.74	0.57	0.25		0.000000	White	Transparent	75%	Fragment with Crystal Faces, minor cleavages
2	0.51	0.29	0.10		0.000000	White	Transparent	75%	Fragment with Crystal Faces, significant cleavages
3	0.34	0.29	0.03		0.000000	Brown	Transparent	Note 1	Fragment on which crystal faces unrecognizable, minor cleavages
4	0.26	0.20	0.11		0.000000	Yellow	Transparent	Note 1	Fragment on which crystal faces unrecognizable, significant cleavages
5	0.23	0.14	0.12		0.000000	White	Translucent	Note 1	Fragment on which crystal faces unrecognizable, significant cleavages, partially frosted
6	0.29	0.17	0.06		0.000000	White	Translucent	Note 1	Fragment on which crystal faces unrecognizable, significant cleavages, partially frosted
7	0.31	0.17	0.11		0.000000	Off White	Translucent	Note 1	Fragment on which crystal faces unrecognizable, minor cleavages
8	0.14	0.11	0.07		0.000000	White	Translucent	62.5%	Fragment with Crystal Faces, minor cleavages
				0.238	0.001190	Sub-Total			
					0.001190	TOTAL			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 27, 2000

Client: Diamond Discoveries International

LIMS No. SEP0002.R00

Sample No. H2RX 003-004


Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and oxides
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 24.65 kg
Number of Syndites: 0

Total Weight (carats)*: 0.015
Number of Diamonds: 2

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

** Note: Perovskite was observed in sample.



Selection and Description

Maria Mezei

Assistant Rare and Precious Gem Mineralogist



Quality Control

Tracy Gill

Mineralogy Technician

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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September 27, 2000

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

LIMS No. SEP0002.R00

Sample No. H2RX 003-004

Client: Diamond Discoveries International

Sample Weight: 24.65 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description	
	X	Y	Z	mg	Carats				Morphology	
<i>Stones Weighed Individually</i>										
1	1.51	1.20	0.86	2.540	0.012700	White	Transparent	85%	Octahedral, twinned, stepped faces	
2	1.14	0.54	0.50	0.418	0.002090	White	Transparent	Note 1	Fragment on which crystal faces unrecognizable, significant cleavages	
				2.958	0.014790	Sub-Total				
<i>Stones Weighed as a Group</i>										
0					0.000000					
				0.000	0.000000	Sub-Total				
					0.014790	TOTAL				

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

Lakefield Research



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REÇU AU MRN

1 0 JUL. 2002

BUREAU DU REGISTRAIRE

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: January 25, 2002

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

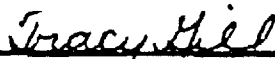
Sample No. 5882


Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Rock fragments
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 104.60 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 1

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Robert Buchan
Consulting Mineralogist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

KENNECOTT CANADA EXPLORATION INC.

Mineral Processing Laboratory

1300 West Walsh St. Thunder Bay, Ontario, Canada P7E 4X4 Telephone (807) 473-5558 Facsimile (807) 473-5660

CERTIFICATE OF METHOD 3: MICRODIAMON

Date Received: 31-Oct-00
Waybill: Prospect Geophysics
Courier #:

DIAMOND DISCOVERIES INTERNATIONAL CORP.

Work Order #: 00MD162
Project: Prospect Geophysics
Client Billing #:
Lab Billing Code:

Client Sample Reference	STONE	SIEVE SIZE (mm)	STOCK EX SIEVE (mm)	X mm	Y mm	Z mm	WEIGHT IN OCTACARATS	FRAGMENT/IN TACT	MORPHOLOGY
2	1	0.150	<0,500	0.34	0.18	0.21	22619.52	Fragment	IRREGULAR WITH OCTAHEDRAL FEAT

Weight in carats was calculated using the following formula: $X(\text{mm}) \times Y(\text{mm}) \times Z(\text{mm}) \times$
intensity of Colour - scale of 0 - 5 with 5:
Cleavages and Inclusions - scale of 0 - 5 with 5 having
Absorption - scale of 1 - 6 with 1 having

*This a blow-up
just in case you cannot
read it*

Lakefield Research

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REÇU AU MRN

10 JUIL. 2002

BUREAU DU REGISTRAIRE

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 21, 2000

Client: Diamond Discoveries International

LIMS No. SEP0002.R00

Sample No. H2 RX 013-014

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 29.32 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg

Maria Mezei

Selection and Description

Maria Mezei

Assistant Rare and Precious Gem Mineralogist

Tracy Gill

Quality Control

Tracy Gill

Mineralogy Technician

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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September 21, 2000

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

LIMS No. SEP0002.R00

Sample No. H2 RX 013-014

Client: Diamond Discoveries International

Sample Weight: 29.32 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description
	X	Y	Z	mg	Carats				Morphology
<i>Stones Weighed Individually</i>									
0					0.000000				
				0.000	0.000000	Sub-Total			
<i>Stones Weighed as a Group</i>									
0					0.000000				
				0.000	0.000000	Sub-Total			
					0.000000	TOTAL			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: December 1, 2000

Client: Diamond Discoveries International

LIMS No. SEP0023.R00

Sample No. Hawkins #6 Sample 3 & 4

HLRX 003-004-007

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 28.70 kg

Total Weight (carats)*: 0.000

Number of Syndites: 0

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description

Maria Mezei

Diamond Selection Specialist

Quality Control

Tracy Gill

Mineralogy Technician

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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December 1, 2000

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

LIMS No. SEP0023.R00

Sample No. Hawkins #6 Sample 3 & 4

Client: Diamond Discoveries International

Sample Weight: 28.70 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description
	X	Y	Z	mg	Carats				Morphology
<i>Stones Weighed Individually</i>									
0					0.000000				
				0.000	0.000000	Sub-Total			
<i>Stones Weighed as a Group</i>									
0					0.000000				
				0.000	0.000000	Sub-Total			
					0.000000	TOTAL			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 21, 2000

Client: Prospecting Geophysics Limited

LIMS No. SEP0002.R00

Sample No. H2545 001-005

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 25.41 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description

Maria Mezei

Assistant Rare and Precious Gem Mineralogist

Quality Control

Tracy Gill

Mineralogy Technician

Note:

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Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 25, 2000

Client: Prospecting Geophysics Limited

LIMS No. SEP0002.R00

Sample No. H2RX 001-002


Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates


Sample Weight: 33.96 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

** Note: Perovskite was observed in sample.


Selection and Description
Tracy Gill
Mineralogy Technician

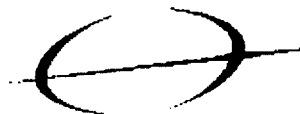

Quality Control
Maria Mezei
Assistant Rare and Precious Gem Mineralogist

Note:

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Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: November 29, 2000

Client: **Diamond Discoveries International**

LIMS No. **SEP0023.R00**

Sample No. **Hawkins #2 Sample 21**

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20-100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

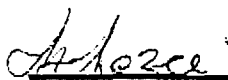
Sample Weight: 10.06 kg

Total Weight (carats)*: 0.000

Number of Syndites: 0

Number of Diamonds: 0


* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg



Selection and Description

Maria Mezei

Diamond Selection Specialist



Quality Control

Tracy Gill

Mineralogy Technician

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 25, 2000

Client: Diamond Discoveries International

LIMS No. SEP0002.R00

Sample No. H2RX 001-002

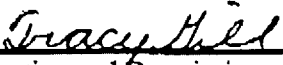
Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates


Sample Weight: 33.96 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

** Note: Perovskite was observed in sample.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Assistant Rare and Precious Gem Mineralogist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 7, 2000

Client: Diamond Discoveries International Corp.

LIMS No. NOV0007.R00

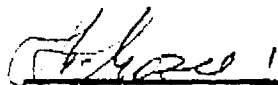
Sample No. Spl. #2 H6RX-002

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite


Sample Weight: 10.76 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.



Selection and Description
Maria Mezei
Diamond Selection Specialist



Quality Control
Tracy Gill
Mineralogy Technician

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 7, 2000

Client: Diamond Discoveries International Corp.

LIMS No. NOV0007.R00

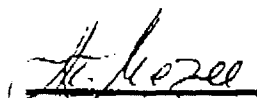
Sample No. Spl. #3 KD-03

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and silicates
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite


Sample Weight: 14.75 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg



Selection and Description
Maria Mezei
Diamond Selection Specialist



Quality Control
Tracy Gill
Mineralogy Technician

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: November 29, 2000

Client: Diamond Discoveries International

LIMS No. OCT0002.R00

Sample No. Sample #4

KD-01 FLOAT

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
-100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite


Sample Weight: 31.83 kg

Total Weight (carats)*: 0.000

Number of Syndites: 0

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

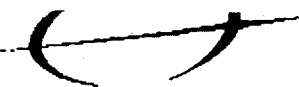

Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 7, 2000

Client: **Diamond Discoveries International Corp.**

LIMS No. NOV0007.R00


Sample No. SpL #1 H6RX-001

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides and rock fragments
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates and graphite

Sample Weight: 12.00 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

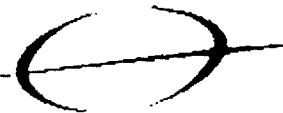

Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: December 1, 2000

Client: Diamond Discoveries International

LIMS No. OCT0002.R00

Sample No. Sample #6

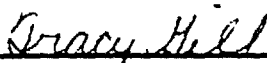
HGRX 005 & 006


Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and silicates
+100	Ferromagnetic Mag	Silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates

Sample Weight: 16.87 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 21, 2000

Client: Diamond Discoveries International

LIMS No. SEP0002.R00

Sample No. H2545 001-005

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 25.41 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg

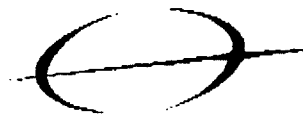
M. Mezei
Selection and Description
Maria Mezei
Assistant Rare and Precious Gem Mineralogist

Tracy Gill
Quality Control/
Tracy Gill
Mineralogy Technician

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: December 5, 2000

Client: Diamond Discoveries International

LIMS No. OCT0002.R00

Sample No. Sample # 3

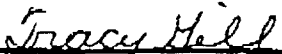
A-04

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Rock fragments and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Rock fragments, oxides, and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

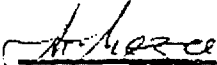
Sample Weight: 33.46 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.



Selection and Description
Tracy Gill
Mineralogy Technician



Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; ± 0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: September 21, 2000

Client: Prospecting Geophysics Limited

LIMS No. SEP0002.R00

Sample No. H2 RX 013-014

Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides and silicates
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 29.32 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

M. Mezei
Selection and Description
Maria Mezei
Assistant Rare and Precious Gem Mineralogist

Tracy Gill
Quality Control
Tracy Gill
Mineralogy Technician

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each -35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

Date: December 1, 2000

Client: Diamond Discoveries International

LIMS No. SEP0023.R00

Sample No. #6 Sample 3 & 4


HGRX 003 5.004

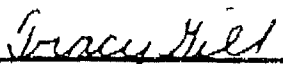
Mesh	Fraction	Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 25.0 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
for Maria Mezei
Diamond Selection Specialist


Quality Control
Tracy Gill
Mineralogy Technician

Note:

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Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

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December 1, 2000

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-267

LIMS No. SEP0023.R00

Sample No. #6 Sample 3 & 4

Client: Diamond Discoveries International

Sample Weight: 25.0 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description
	X	Y	Z	mg	Carats				Morphology
<i>Stones Weighed Individually</i>									
0					0.000000				
				0.000	0.000000	Sub-Total			
<i>Stones Weighed as a Group</i>									
0					0.000000				
				0.000	0.000000	Sub-Total			
					0.000000	TOTAL			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

Lakefield Research

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: **Diamond Discoveries International Corp.**

LIMS No. **MI0015-SEP01**

Sample No. 5882 "*SANDY*"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 127.90 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

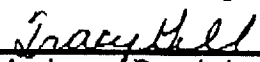
Sample No. 5260 "D"

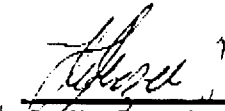
Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Rock fragments, oxides, and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates, oxides, and graphite

Sample Weight: 11.10 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezci
Diamond Selection Specialist

Note:

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Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01


Sample No. 5246 "DRX 3"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and graphite
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates, oxides, and graphite

Sample Weight: 19.70 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 5265

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, graphite, and silicates

Sample Weight: 41.00 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description
Maria Mezei
Diamond Selection Specialist

Quality Control
Robert Buchan
Consulting Mineralogist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01


Sample No. 5264 "A"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 331.50 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 5261 "F"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 74.30 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description
Maria Mezei
Diamond Selection Specialist

Quality Control
Robert Buchan
Consulting Mineralogist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

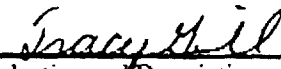
Sample No. 21107 *"F CROSS DYKE"*

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, graphite, and oxides
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates and graphite

Sample Weight: 42.30 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

Lakefield Research



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"B" Dyke
D.O.I. #1

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 20, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 5280


"B"


Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and oxides
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Graphite and silicates

Sample Weight: 35.40 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

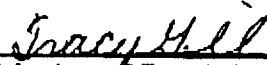
Sample No. 5273 "B"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and oxides
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Rock fragments, silicates, and oxides
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates, oxides, and graphite

Sample Weight: 34.20 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 5256 "A"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, silicates, and oxides
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 83.92 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description
Maria Mezei
Diamond Selection Specialist

Quality Control
Robert Buchan
Consulting Mineralogist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

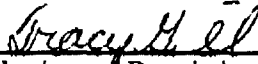
Sample No. 5259 "A"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 25.10 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician

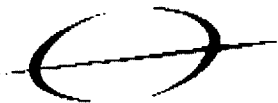

Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01


Sample No. 5262 *'A'*

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 129.50 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: January 25, 2002

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01


Sample No. 5263

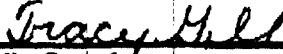
Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 262.60 kg
 Number of Syndites: 0

Total Weight (carats)*: 0.000
 Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


 Selection and Description
 Maria Mezei
 Diamond Selection Specialist

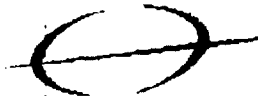

 Quality Control
 for Robert Buchan
 Consulting Mineralogist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: January 25, 2002

Client: Diamond Discoveries International Corp.

LIMS No: MI0015-SEP01


Sample No: 5884


Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 176.70 kg
Number of Syndites: 0

Total Weight (carats)*: 0.006
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Robert Buchan
Consulting Mineralogist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 20, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01


Sample No. 5276 "J"


Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Rock fragments and silicates
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Rock fragments, oxides, and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates

Sample Weight: 145.30 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01


Sample No. 5883 "R"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and oxides
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates


Sample Weight: 2.67 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.



Selection and Description
Maria Mezei
Diamond Selection Specialist



Quality Control
Robert Buchan
Consulting Mineralogist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 20, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 5281 "72"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Rock fragments and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Graphite and silicates

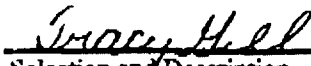
Sample Weight: 79.38 kg

Total Weight (carats)*: 0.000

Number of Syndites: 0

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician

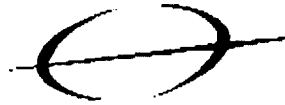

Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 20, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 21104 "E"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Rock fragments
-6+20	Ferromagnetic Non-mag	Oxides, graphite, and silicates
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Oxides and silicates
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Not applicable
-20+100	Diamagnetic Non-mag (0.5 amp)	Not applicable


Sample Weight: 47.20 kg

Total Weight (carats)*: 0.000


Number of Syndites: 0

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.



Selection and Description
Tracy Gill
Mineralogy Technician



Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

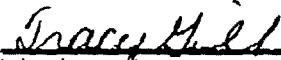
Sample No. 21103 "6"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicate
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates, oxides, and graphite

Sample Weight: 20.90 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 21102 "A"

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+100	Diamagnetic Non-mag (0.5 amp)	Oxides and silicates


Sample Weight: 33.40 kg


Total Weight (carats)*: 0.000

Number of Syndites: 0

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: January 25, 2002

Client: Diamond Discoveries International Corp.

LIMS No: MI0015-SEP01

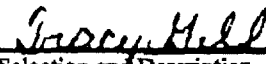
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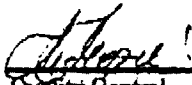
Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and oxides
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Rock fragments, silicates, and oxides
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates and graphite

Sample Weight: 259.50 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezel
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: January 25, 2002

Client: Diamond Discoveries International Corp.

LIMS No. MI0015-SEP01

Sample No. 5275

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and oxides
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Rock fragments, silicates, and oxides
-20+100	Diamagnetic Non-mag (0.5 amp)	Silicates and graphite

Sample Weight: 201.30 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Tracy Gill
Selection and Description
Tracy Gill
Mineralogy Technician

Maria Mezzi
Quality Control
Maria Mezzi
Diamond Selection Specialist

Note:

Lakefield Research Limited is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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January 25, 2002

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

LIMS No. MI0015-SEP01

Sample No. 5275

Client: Diamond Discoveries International Corp.

Sample Weight: 201.30 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description
	X	Y	Z	mg	Carats				Morphology
-400 / + 425 μm fraction									
0					0.000000				
0				0.000	0.000000				Sub-Total
-425 / + 300 μm fraction									
0					0.000000				
0				0.000	0.000000				Sub-Total
-300 / + 212 μm fraction									
0					0.000000				
0				0.000	0.000000				Sub-Total
-212 / + 150 μm fraction									
0					0.000000				
0				0.000	0.000000				Sub-Total
-150 / + 100 μm fraction									
0					0.000000				
0				0.000	0.000000				Sub-Total
0					0.000000				TOTAL

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.