

GM 59486

NOTES ON RECENT DEVELOPMENTS IN THE TORNGAT MOUNTAINS OF NORTHEASTERN QUEBEC

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PROSPECTING GEOPHYSICS LTD.

GEOPHYSICAL & GEOLOGICAL SURVEYS

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September 14, 2001.

DIAMOND DISCOVERIES INTERNATIONAL CORP.

NOTES ON RECENT DEVELOPMENTS IN THE TORNGAT MOUNTAINS OF NORTHEASTERN QUEBEC

BY: Gerard Mazerolle

Up until September 6, 2001, exploration work on the D.D.I. properties had discovered ten (10) new kimberlite dykes, doubling what was discovered last year. Large samples have been taken of all previous and new dykes, 8,000 lbs of which have been shipped by air and road to Lakefield labs.

The planned silt sampling program is largely completed. Fifteen (15) remain to be collected and processed. Six (6) additional samples have been added to fill in areas on D.D.I. #3, as this is in addition to 11 fill in samples already in camp from D.D.I. 3.

There has been a major delay with the program to construct grids and complete a magnetic survey over the known dykes. The mag has blown a capacitor and is not functional. There are problems in renting another and now after the terrorist air attack there are problems shipping freight.

SIGNIFICANT DISCOVERY

On Thursday September 6, 2001, G. Mazerolle was in camp when Harold Ferderber and Johnny Annatok Jr. returned from collecting river bed samples with four or five different volcanic rocks. These came from a stream 1.25 kilometers southeast of the "K" dyke on D.D.I. 3's Southern most corner.

From the variety of rocks Mazerolle believed this discovery was significantly different than the other dykes.

The prospectors Yvon Champagne and Maurice Tennier were picked up to assist in the evaluation. It is a notable dyke-pipe complex. Large dykes locally 3 to 4 meters (9-12 feet) wide with explosive breccia zones of shattered rock cemented with kimberlitic material often alongside or branching off of the dykes of the coarse phlogopite mica. Numerous outcrops of dykes and agglomerate, ("volcanic conglomerate"), can be seen going up the river to the north.

On the 6th of September the dykes appeared to end at what is now called the Triangle Pipe. The rock here is fine grained kimberlite and kimberlite tuff. Some gas cavities, (vessicules) and many pieces of small rock fragments are cemented in this tuff. The rock weathers in rounded knobs.

On September 7th a small dyke was noted to extend north-west out of the triangle of tuff. This dyke went west to the valley wall and followed it northward. This valley wall is smooth, sinuous and almost polished and probably represents the general western limit of the explosive activity during the dyke and pipe emplacement. Since I had torn a calf muscle the previous day, Yvon and Daniel St-Pierre did much of the work exploring and returning to report. Daniel descended to the lake to check a black cliff and returned saying: "you must go and see that".

The tuff is present as well as blocks of coarse (phlogopite mica), kimberlite on the south shore of the lake. We also began to recognize that the pink granite was really heated and altered explosive breccia on a fine scale. Much of the valley west of the river has rock of this nature in it. There are also areas with unchanged gneissic rocks, just as north of the "Triangle Pipe".

Presently the lake is designated the "Champagne Pipe". About 500 feet slightly west is another tuff center called "Peter's Pipe". At about 800 feet south of the Champagne Pipe is the "Side Blow", where chrome diopsides have been seen twice in large olivine crystals.

Four hundred pounds of samples have been taken from all these locations. The dyke at the mouth of the creek has also been sampled, 400 lbs.

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Today Yvon and Johnny report another tuff center at about 1000-1200 feet south of the Champagne Pipe and about 300 to 400 feet east of the river. This needs to be confirmed. Yvon is seldom wrong.

Today Daniel St-Pierre also located a new dyke in the mountain creek area of D.D.I. 3, called the "Martina Dyke" after his daughter. The UTM location is 0408021E, 6593170N, We ^{DIAMOND INCLUSION CHROMITE} extended, (found a likely crack) the "H" dyke on that property, 048846E, 6593115N.

An interesting looking crack located in deep snow above the pipe area, was also marked by GPS and will need follow up next year.

In the area of the pipes an interesting isolated area of high magnetic response is located one kilometer north of the Peter Pipe. Both the "H" dyke and the Pipe trend toward it. I have looked at the rock there. It is a granitic gneiss with a magnetic response. There was two feet of snow covering much of the mountain before the pipes were found. This needs to be revisited when all the rock is visible next summer.

I would suggest acquisition of the ground to the South, (Dumont Nickel), if it becomes available, or through an option agreement with them.

The company has a great advantage, in that this crew with their experience, know exactly what they are looking for.

The men on the ground have found the dykes and the pipes. I would suggest more men prospecting more days in any future program.

Gerard J. Mazerolle, B.Sc.

November 25, 2001

①

To: Peter Ferderber
Diamond Discoveries International

From: Robert Dillman

Torngat Diamond Project, Quebec
Microprobe Results

Peter,

the following microprobe analyses were given to me this week from Barnett.

- ✓ DDI-3-30: 5 eclogite garnet: G5 type, Ca-Mg almandine
4 chrome diopside: Cr : Na ratios plot on kimberlite trend
1 chromite
1 sphene
- ✓ DDI-3-32: 2 eclogite garnet: G5 type, Ca-Mg almandine
2 chrome diopside: Cr : Na ratios plot on kimberlite trend
2 sphene
- ✓ DDI-3-33: 6 eclogite garnet: G5 type, Ca-Mg almandine
1 chrome diopside: Cr : Na ratios plot on kimberlite trend
1 apatite
2 sphene
- ✓ DDI-3-34: 2 eclogite garnet: G5 type, Ca-Mg almandine
2 chrome diopside: Cr : Na ratios plot on kimberlite trend
- ✓ DDI-3-39: 3 eclogite garnet: G5 type, Ca-Mg almandine
4 augite
- DDI-6-22: 1 eclogite garnet: G5 type, Ca-Mg almandine
2 augite
6 rutile
2 epidote
1 biotite-phlogopite

ARY-4: 2 eclogite garnet: G5 type, Ca-Mg almandine
1 olivine: Fo90-91
5 perovskite
2 andradite (melanite)

CROSS DIKE "F": 4 eclogite garnet: G5 type, Ca-Mg almandine
2 augite

✓ MC-10: 4 eclogite garnet: G5 type, Ca-Mg almandine
1 augite

H2RX-3: 2 olivine: Fo92
1 andradite garnet (melanite) (100's of grains in sample)
3 Ti magnetite (1000's of grains in sample)
3 perovskite (1000's of grains in sample)
2 perovskite + Ti magnetite

H2RX-10: 3 eclogite garnet: G5 type, Ca-Mg almandine
1 chrome diopside: Cr : Na ratios plot on kimberlite trend
2 olivine: Fo86-92
1 chromite
2 picroilmenite

XP-8: 1 pyrope garnet: G9 type *THIS SAMPLE COMES FROM A NEW DIAMOND FIELD*
1 chrome diopside: Cr : Na ratios plot on kimberlite trend *STARTING SHOULD BE*
2 augite *DONE SOON*

5262: 1 eclogite garnet: G5 type, Ca-Mg almandine
1 augite with perovskite in serpentine
3 olivine Fo82-92
1 serpentine
1 andradite

DDI-3-SOUTH PIPE "Float":
4 chrome diopside: Cr : Na ratios plot on kimberlite trend
1 Cr enstatite
10 olivine Fo91-92

H DIKE-1: mantle nodule in mica-rich handsample
3 olivine Fo91-92
4 Cu(S) chloride (very small grains, exceptionally unique mineral)

H DIKE-2: 6 chrome diopside: Cr : Na ratios plot on kimberlite trend
 3 Cr enstatite
 2 olivine Fo91-92
 1 perovskite

In summary, the chrome diopside grains in the samples plot along the kimberlitic trend. Analyses show a significant ratio of Al₂O₃ which suggests an eclogitic component to the source. Abundant Ca-Mg almandine garnets also suggest an eclogite source. (Recrystallization of these minerals may have occurred from a subducted slab of crustal basalt) The coarse olivine grains which represent nodules of mantle material are fosteritic with Mg generally ranging 91-92% (Fo91-92). The chemistry of the olivine nodules are comparable to olivine in diamond producing kimberlite. The Mg and Ni components indicate the source has experienced high pressure regimes favorable for diamond formation. Chrome diopside and chrome enstatite also show significant Mg signifying high pressure crystallization in the mantle. All suggest diamonds

Based on the presence of perovskite and andradite, there appears to be a least 2 types of intrusive sources: Type 1: perovskite, andradite (melanite), olivine, Cr diopside
 Type 2: (Kimberlitic eclogite source) olivine, Cr diopside, sphene, Cr enstatite, Ca-Mg almandine, apatite

Pyrope garnet and chrome diopside were identified in sample XP-8. This the first occurrence of pyrope garnet in the heavy mineral concentrates with the exception of the residuals of caustic fusion samples from Lakefield Minerals. The minerals are kimberlitic and represent a new target in the area.

In conclusion, the microprobe results indicate an kimberlitic eclogite component within the dikes and pipes found within the area. Olivine nodules, which appear to host the kimberlitic minerals, have chemistries indicating crystallization in an environment favorable for the crystallization of diamond. Theory suggests carbon, in the form of sediments or graphite, and supplied by a subducted crustal slab could be crystallized to diamond in the a high pressure regime of the mantle. The recent microprobe results suggest the pipes and dikes fit this model and therefore, the diamond potential of this 'new kimberlite field' is very strong.

Sincerely,



Robert Dillman Arjadee Prospecting

D.D.I #5 & TANDEM
"5" DYKE

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:

COLOUR	GARNET				PYROXENE				OLIVINE		MICA		OPAQUES					AMPH.	SPHENE	OTHER	
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPSIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	CORUN.	
PURPLE																					
LILAC																					
RED																					
ORANGE				20%																	15%
PINK				20%																	15%
BROWN																					
BLACK																					
Br. GREEN																					
Dk. GREEN								1g													
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				40%				1g													

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

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS: 50%

OTHER MINERALS OF INTEREST: abundant orange & pink corundum

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

BIOTITE CORUNDUM LAMPROPHYRE DIKE

SIGNED BY:  MARCH 18/02

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
 NONMAGNETIC FRACTION: 88.5 grams
 TOTAL 88.5 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

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	AMPHL	SPHENE	ZIR	CORUN	
PURPLE																						
LILAC																						
RED																				10 g		
ORANGE				Tr.																		
PINK				3 g																Tr.		
BROWN											3 g										5%	
BLACK															1 g		1 g				65%	
Br. GREEN																						
Dr. 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

TOTAL KIMBERLITE OR RELATED MINERALS:

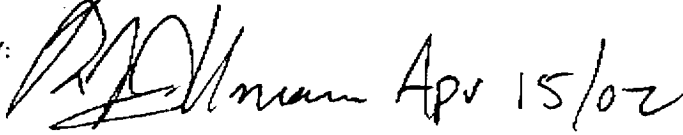
DISTANCE ESTIMATE:

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

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

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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
 NONMAGNETIC FRACTION: 88.5 grams
 TOTAL 88.5 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

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 ILMENTI	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																					10 g	
ORANGE				Tr.																		
PINK				3 g																	Tr.	
BROWN											3 g											
BLACK															1 g		1 g	85%				
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				Tr.							3 g				1 g		1 g	85%			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.

SIGNED BY:

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.

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
NONMAGNETIC FRACTION: 112.2 grams
TOTAL 112.2 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

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				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg KLMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	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:

Robert J. Dillman MAY 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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14.00
7007/01/00

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 CFX	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													
DR. 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

ARJADEE PROSPECTING

04/19/2002 16:12 5192649278

ARJADEE PROSPECTING

FORM 02

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 COARSE OR FINER FRACTION AVAILABLE?:
NONMAGNETIC FRACTION: 45.3 grams
TOTAL 45.3 grams 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				OLVINE	MICA		OPAQUES					OTHER	ZIR	CORUN		
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CFX	ENSTATTITE	AUGITE	OLVINE	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																					
Dr. 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: *[Signature]* Apr 16/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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SAMPLE NUMBER: DDI - 5 - 5

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 51.5 SIZE FRACTION: < 0.5 millimetres

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 51.5 grams
TOTAL 51.5 grams

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 51.5 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		ZIR	CORUM	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE			
PURPLE																					2 g	
LILAC																						
RED																					1%	
ORANGE				30%																	5%	
PINK				60%																		
BROWN																						
BLACK															4%		Tr.					
Br. GREEN																						
Dr. GREEN																		Tr.				
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											4%		Tr.	Tr.		5%	1%	

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

KIMBERLITE OR RELATED MINERALS: NO

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: small fragments of red zircon and green amphibole.

SIGNED BY:

Robert J. Dillman Apr 16/02

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

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 47.3 grams

TOTAL 47.3 grams

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				
	PHYROPE	ECLOGITE	ANDRADITE	ALMO	Gr DiOP	Gr CPX	ENSTAYTE	AUGITE	OLIVINE	PHLOGO	BTOTTE	CHROMITE	Sp ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHE	SPHERE	ZIR	CORUN.	
PURPLE																						
LLAC																						
RED																						?
ORANGE				25%																1%		?
PINK				30%																		
BROWN																5 g		Tr.				10 g
BLACK															Tr		1%	25%				
Dr. GREEN																						
DIL. 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:

Robert J. Dillman April 6/02

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

ROBERT J. DILLMAN

ARJADEE PROSPECTING

0 distance to unknown black metallic mineral.

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		ZIR	CORUN.		
	PYROPE	ECLOGITE	ANDRADITE	ALND	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE				
PURPLE																						3 g	
LILAC																							
RED																							
ORANGE				Tr.																		Tr.	
PINK				1%																			40%?
BROWN																3 g							35%?
BLACK											1 g		?		Tr.		1%	5%					
Gr. 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

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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				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	AMPHL	SPHENE			
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:

RJD Apr. 25/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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ARJADEE PROSPECTING
PAGE 02

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%		
Gr. GREEN																					
Dr. 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.

SIGNED BY:

COMMENTS: brown biotite is metamorphic.

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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	CORUM.
PURPLE																					
LILAC																					
RED																				Tr.	
ORANGE				45%																	
PINK				40%																	
BROWN																			5%		
BLACK											25 g						Tr.	5%			
Br. GREEN																					
DL. 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 Apr 25/02

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
NONMAGNETIC FRACTION: 42.7 grams
TOTAL 42.7 grams

COARSE OR FINER FRACTION AVAILABLE?:

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	ALMO	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BROTITE	CHROMITE	ING KIMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				7 g																		
PINK				5 g																		
BROWN																						1%
BLACK											5 g											1%
Br. GREEN																						
DL. 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:

RJD 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	AMPHL	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

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ARJADEE PROSPECTING PAGE 04

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
NONMAGNETIC FRACTION: 99.6 grams
TOTAL 104.6 grams

COARSE OR FINER FRACTION AVAILABLE?:

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			
	PHYROPE	ECLOGITE	ANDRADITE	ALMO	DI DIOP	CRCPX	ENSTATITE	AUGITE	OLIVINE	PHILOGO	BICRITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH	SPHERE	ZIR	CORUN	
PURPLE																						
LILAC																						
RED																					Tr.	
ORANGE			30%																	1%		
PINK			40%																		3g	
BROWN																			1%		10g	
BLACK															Tr.		6g	5%				
Br. GREEN																						
DL. GREEN							1g												5%			
YELLOW																						
CLEAR																						
SILVER																						
TOTAL			70%				1g								Tr.		6g	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 Dillman* Apr. 8/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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ARJADEE PROSPECTING

PAGE 04

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 ILMENTI	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																					
LILAC																					
RED				?																5%	
ORANGE				25%															Tr.		
PINK				25%																	?
BROWN																5 g		5%			15%?
BLACK															15%		3%	5%			
Br. GREEN																					
Dr. 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: ?

TOTAL KIMBERLITE OR RELATED MINERALS:

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

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

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

SIGNED BY:

Robert J. Dillman Apr 25/02

ROBERT J. DILLMAN

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	SPHENE	ZIR	CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHRONITE	Mg ILMENTI	PEROV	MAG	PYRITE	RUTILE	AMPHI.				
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%

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:


 May 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI-5-17

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 81.7

SIZE FRACTION: <1.0 millimetres

MAGNETIC FRACTION: 0 grams
 NONMAGNETIC FRACTION: 81.7 grams
 TOTAL 81.7 grams

COARSE OR FINER FRACTION AVAILABLE?: ?

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 DOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTI	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				10%																		
PINK				70%																5%		
BROWN																						1g?
BLACK																			Tr.			
Br. GREEN																	5%	10%				
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				80%													5%	10%	5%			1g?

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: No

DISTANCE ESTIMATE: 0 distance to sillimanite?, rutile and orange sphene source(s).

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: fresh rutile and fragments of subhedral long prismatic crystals of clear sillimanite, trace unknown black metallic with peacock tarnish, nonmagnetic.

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	ALMID	Cr DIOP	Cr Opx	ENSTATITE	ALABITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ELEMENT	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CORUN	
PURPLE																						
LILAC																						
RED																						
ORANGE					15%																	
PINK					1g																	
BROWN																						
BLACK																					20%	
BR. GREEN																						
DL. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL					15%																1g	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:

RJD 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 COARSE OR FINER FRACTION AVAILABLE?: YES
 NONMAGNETIC FRACTION: 40 grams
 TOTAL 40 grams 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	C: DIOP	C: CPK	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	IMPILMENE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CDRUM	
PURPLE																						
LILAC																						
RED																				Tr.		
ORANGE				40%															2%			
PINK				50%																		1g
BROWN																						
BLACK															2%			3%				
Br GREEN																		Tr.				
DL GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				90%											2%			3%	2%	Tr.		1g

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.

NO OBVIOUS KIMBERLITE INDICATOR MINERALS

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	ESGROITE	ANDRADITE	ALMO	Cr DIOP	Cr Cpx	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENE	PEROV	MAG	PYRITE	FUJITE	AMPH.	SPHERE	ZR	CORUN.
PURPLE																					
LILAC																					
RED																					3 g
ORANGE					45%														Tr.		
PINK					35%																
BROWN																					
BLACK												2 g?			3%		Tr.	5%			
Br. GREEN																					
Dr. 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 - 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	GRDOP	CRCPK	ENSTATTITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mp ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPH	SPHENE	ZIR	CORUN
PURPLE																					
LILAC																					
RED																					
ORANGE				10%																	
PINK				5%																	
BROWN																					
BLACK													1g					5%			
BL. GREEN																					
DL. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL				15%									1g					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 Apr 8/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I #5

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 COARSE OR FINER FRACTION AVAILABLE?:
NONMAGNETIC FRACTION: 42.8 grams
TOTAL 42.8 grams 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				
	PHYROPE	ECLOGITE	ANDRADITE	ALMID	CR DIOF	CR CFX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTI	PEROV	MAO	PYRITE	RUTILE	AMPH	SPHENE	ZIR	CORUN	
PURPLE																						
LEUC																						
PINK																						
ORANGE				25%																		
PINK				5%																		
BROWN										8g	5g											
BLACK																						
Br. GREEN																						
DR. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				30%						8g	5g											

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

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

SIGNED BY:

Robert J. Dillman 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

COARSE OR FINER FRACTION AVAILABLE?: YES

NONMAGNETIC FRACTION: 48.8 grams

TOTAL 48.8 grams

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				OLVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	CR-DIP	CR-CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BICITE	CHROMITE	ILMENITE	PEROV	LAG	PYRITE	RTILE	AMPH.	SPHENE	ZIR	CORUN	
PURPLE																					3 g	
LILAC																						
RED																						
ORANGE				40%															Tr		?	
PINK				40%																	?	
BROWN																		Tr			5 g	
BLACK															Tr			10%				
Dr. GREEN																						
DR. 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 Apr 8/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

010104020710

INCLUDE PROSPECTING

PAGE 1/1

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				
	PHYROPE	ECLOGITE	AMRADOITE	ALMD	Cr-DIOP	Ca-CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTTE	CHROMITE	Mg-ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				20%																		
PINK				10%																		
BROWN																					1%	
BLACK											12 g				1 g						1%	
Dr. GREEN																						
Dl. 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

2002/03/08
 017440450
 ARJADEE PROSPECTING
 00

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/ENP	Cr/CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	BAO	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUN.	
PURPLE																						
LILAC																						
RED																						
ORANGE				35%																		
PINK				40%																		
BROWN																						
BLACK															3 g					20%		
DL GREEN																						
DR 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: *[Signature]* March 20/02

COMMENTS:

NO OBVIOUS KIMBERLITE INDICATOR MINERALS

ROBERT J DILLMAN

ARJADEE PROSPECTING

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	ALMANDINE	ANDRADITE	ALMND	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mp ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHINE	ZIR	CORUN	
PURPLE																						
LILAC																						
RED																						
ORANGE				5%																		
PINK				80%																		
BROWN																						2 g
BLACK											2 g											1%
Dr. GREEN															1%		Tr					10%
DR. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL				85%							2 g				1%		Tr					11%

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: *[Signature]* March 20/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

POTENTIAL LAMPROPHYRIC GRAINS IN SAMPLE

April 13, 2002

To: Peter Ferderber
Diamond Discoveries International

From: Robert Dillman

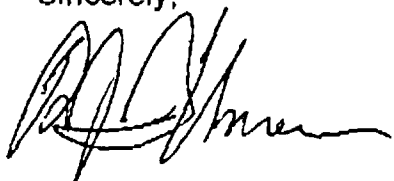
17 pages total

Peter,

here are the descriptions on the remaining digestions from the first batch of samples from Lakefield. No diamonds were identified in any of the samples.

Samples DRX-1, DRX-2 and DRX-3 all have gem quality pyrope garnet. The pyrope garnets are purple in colour and of the variety preferred by gemologists. The garnets are of very good colour: uniform, and inclusion free. An estimate of the value of these garnets from Ralph Schroetter of Creative Gem suggests a starting price for cut stones at +\$15 for a 0.1 crt stone. If we expect 80% loss during cutting we would need a +½ crt rough stone to start (equivalent to 0.1 g or approximately 5 mm grain). To fully investigate the pyrope content of this dike a coarser fraction (+5.0 mm) must be incorporated into processing procedure.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Dillman', with a long horizontal flourish extending to the right.

Robert Dillman

Lakefield Research

Lakefield Research Limited
 Box 4300, 185 Concession St.
 Lakefield, ON, Canada K0L 2H0
 Telephone: (705) 652-2000
 Fax: (705) 652-3123

D. P. I. #1

FAX

Date: September 21, 2001 Page(s): 1 (including cover sheet)
 To: Peter Ferderber Fax: 1-819-824-3866
 Company: Diamond Discoveries International Telephone: 1-819-824-3910
 From: Bruce Jago
 Re: Presence of Ruby – Further to our conversation September 26, 2001

Dear Peter,

The table, below, summarizes the occurrence of corundum, red corundum and ruby corundum in caustic fusion residues of samples processed in August.

Sample #	Occurrence - Corundum	Occurrence - Pink Corundum	Occurrence - Ruby Corundum
LIMS#AUG0001.R01			
DRX-1	Abundant > 50 grains	Trace < 5-10 grains	Not present
LIMS#AUG0002.R01			
DRX-1	Abundant > 50 grains	Abundant > 50 grains	Trace < 5-10 grains
DRX-2	Abundant > 50 grains	Abundant > 50 grains	Trace < 5-10 grains
DRX-4	Abundant > 50 grains	Trace < 5-10 grains	Not present
LIMS#AUG0003.R01			
21107 <i>F. DYKE</i>	Abundant > 50 grains	Trace < 5-10 grains	Not present

IS THE CROSS DYKE

In order to quantify the proportion of pink and ruby corundum in the samples listed above, a detailed analysis of each sample will be required.

If you have any questions regarding this work, I can be contacted by telephone (1-705-652-2112), fax (1-705-652-3123) or e-mail (bjago@lakefield.com).

Best Regards,



Bruce Craig Jago, Ph.D.
 Manager - Mineralogical Services

SAMPLES TO BE RUN
WILL SEND RESULTS AS THEY COME IN

Diamond Discoveries (8901-278)

Samples Left To Process as of April 5, 02

Sample ID	Weight in Kg	No of Pails	No of Pours	1st Pour	2nd Pours	Disposal	PM*	Dia. Sel.**	Total
5266	224.9	14	30	450.00	9280.00	100.00	130.00	130.00	10090.00
5268	79.3	4	11	450.00	3200.00	100.00	130.00	130.00	4010.00
5269	71.6	4	10	450.00	2880.00	100.00	130.00	130.00	3690.00
5270	165.8	8	22	450.00	6720.00	100.00	130.00	130.00	7530.00
5271	185.2	8	25	450.00	7680.00	100.00	130.00	130.00	8490.00
5272	194.2	9	26	450.00	8000.00	100.00	130.00	130.00	8810.00
5273	19.4	1	3	450.00	640.00	100.00	130.00	130.00	1450.00
5274	159.4	9	21	450.00	6400.00	100.00	130.00	130.00	7210.00
5277	121.4	5	16	450.00	4800.00	100.00	130.00	130.00	5610.00
5278	251.8	12	34	450.00	10560.00	100.00	130.00	130.00	11370.00
5279	55.8	3	7	450.00	1920.00	100.00	130.00	130.00	2730.00
5283	42.9	2	6	450.00	1600.00	100.00	130.00	130.00	2410.00
5284	11.3	1	2	450.00	320.00	100.00	130.00	130.00	1130.00
5285	4.4	1	1	450.00	0.00	100.00	130.00	130.00	810.00
5286	37.4	2	5	450.00	1280.00	100.00	130.00	130.00	2090.00
5287	115	6	15	450.00	4480.00	100.00	130.00	130.00	5290.00
5288	218.9	9	29	450.00	8960.00	100.00	130.00	130.00	9770.00
5289	155.3	7	21	450.00	6400.00	100.00	130.00	130.00	7210.00
5290	104.3	5	14	450.00	4160.00	100.00	130.00	130.00	4970.00
5295	78	7	10	450.00	2880.00	100.00	130.00	130.00	3690.00
5296	66.8	4	9	450.00	2560.00	100.00	130.00	130.00	3370.00
5297	54.5	3	7	450.00	1920.00	100.00	130.00	130.00	2730.00
5298	22.3	3	3	450.00	640.00	100.00	130.00	130.00	1450.00
5482	167.3	6	22	450.00	8720.00	100.00	130.00	130.00	7530.00
21101	30.9	1	4	450.00	960.00	100.00	130.00	130.00	1770.00
21106	8.9	1	1	450.00	0.00	100.00	130.00	130.00	810.00
21107	264.6	10	35	450.00	10880.00	100.00	130.00	130.00	11690.00
5263 b	32.3	1	4	450.00	960.00	100.00	130.00	130.00	1770.00
L.V.13 CORE	54.03	3 bags	?	0.00	0.00	0.00	0.00	0.00	0.00
L.V.14 HQ core	36.77	2 bags	?	0.00	0.00	0.00	0.00	0.00	0.00
Total Weight 3835 kg									\$139,488.00

* PM = Project Management

** Diamond Selection - this charge applies for zero diamonds; incremental charges apply for greater than zero diamonds and can be furnished on request.

Lakefield Research 

Lakefield Research Limited
Box 4300, 185 Concession St.
Lakefield, ON, Canada K0L 2H0
Telephone: (705) 652-2000
Fax: (705) 652-3123

FAX

Date: December 21, 2001 Page(s): 18 21 (including cover sheet)
To: Peter Ferderber Fax: 1-727-867-7938
Stan Hawkins 1-416-861-0749
Company: Diamond Discoveries Telephone: 1-727-867-7938
From: Bruce Jago
Re: Results for 2001

Dear Peter and Stan,

We have picked further samples from the material submitted for caustic dissolution. Results are attached for Samples # 5882, 5884, 5263, 56267 and 5275. A single, small diamond was found in Sample # 5882.

Further samples are being processed and results will be sent to you as soon as they are available.

If you have any questions concerning this work, I can be contacted by telephone (1-705-652-2112), fax (1-705-652-3123) or e-mail (bjago@lakefield.com).

Lakefield Research Limited



Bruce Craig Jago, Ph.D.
Manager - Mineralogical Services

Lakefield Research

Lakefield Research Limited
Box 4300, 185 Concession St.
Lakefield, ON, Canada K0L 2H0
Telephone: (705) 652-2000
Fax: (705) 652-3123

FAX

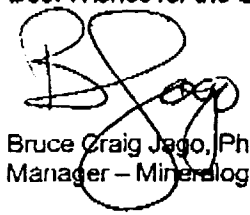
Date: December 21, 2001 Page(s): ¹⁹~~X~~ (including cover sheet)
To: Peter Ferderber Fax: 1-727-867-7938
Stan Hawkins 1-416-861-0749
Company: Diamond Discoveries Telephone: 1-727-867-7938
From: Bruce Jago
Re: Results for 2001

Dear Peter and Stan,

The attached summaries include all samples that have been processed and picked in 2001. We have processed a number of other samples that will be picked early in 2002 and will continue with processing the balance of the samples

If you have any questions concerning this work, I can be contacted by telephone (1-705-652-2112), fax (1-705-652-3123) or e-mail (bjago@lakefield.com).

Best Wishes for the Christmas and Holiday Season



Bruce Craig Jago, Ph.D.
Manager - Mineralogical Services

D. D. I. #1
"A" DYKE
DATE OF SUBMISSION: SEPTEMBER 2001

SAMPLE NUMBER: DRX-2 Digestion

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 0.6 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams COARSE OR FINER FRACTION AVAILABLE?: yes
NONMAGNETIC FRACTION: 0.6 grams
TOTAL 0.6 grams PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 0.6 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				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																						
ORANGE	1 g																					
PINK																						5%
BROWN																						
BLACK														Tr.	40%							
Br. GREEN																						
DK. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL	6 g													Tr.	40%							5%

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

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

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

COMMENTS: 55% clear to translucent white apatite.

SIGNED BY:  Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.P.I. #1
"A" DYKE

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 COARSE OR FINER FRACTION AVAILABLE?: yes
 NONMAGNETIC FRACTION: 0.65 grams
 TOTAL 0.65 grams 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	AMPHL	SPHENE		ZIR
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN																					
BLACK																					
Dr. GREEN																					
Dk GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL																					

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

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

COMMENTS: abundant graphite 5%, 8 large flakes. Some magnetite could be chromite or ilmenite.
 trace clear apatite. 7.5mm lamprophyre rock fragments.

SIGNED BY: *Robert J. Dillman* April 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.P.I. #1

"A" DYKE

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:

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	Zr	CORUN.
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					1%
BROWN																					
BLACK												1%	10%		Tr.	Tr.			Tr.		
Br. GREEN																					
Dr. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL												1%	15%		Tr.	Tr.			Tr.		1%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

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

SIGNED BY:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

P.D.I. #1
"A" DYKE

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 OMP	Cr CFX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	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 Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. # 1

'A' DYKE

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

COARSE OR FINER FRACTION AVAILABLE?: yes

NONMAGNETIC FRACTION: 14.77 grams

TOTAL 14.77 grams

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				OLVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENTE	PEROV	MAG	PYRITE	RUTILE	AMPHI.	SPHENE	ZIR	CO. UN.	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN											10%											
BLACK			Tr.							5%	10%			20%	20%							
Br. GREEN																						
Dr. GREEN																						
YELLOW										5%												
CLEAR																					?	
SILVER																						
TOTAL			Tr.							5%	5%	20%			20%	20%					?	

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

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

SIGNED BY:

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.P.I. #1
A Dyke

SAMPLE NUMBER: DRX-3 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3 SIZE FRACTION: <1.0 millimetres

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

TOTAL CONCENTRATE EXAMINED: 3 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

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

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

SIGNED BY: *RJD* Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. #1
'A' DYKE

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 COARSE OR FINER FRACTION AVAILABLE?: yes
NONMAGNETIC FRACTION: 0.65 grams
TOTAL 0.65 grams

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				CORUN.	
	PYROPE	ECLOGITE	ANDRADITE	ALMID	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE		ZIR
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					13 g
BROWN																					
BLACK															5%	80%					
Br. GREEN																					
DL. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL															5%	80%					8 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:

RJD April 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.D.I. # 1

"A" DYKE

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	AMPHL	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

D.D.I #1
A. DYKE

SAMPLE NUMBER: DRX-2 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 4.82 SIZE FRACTION: <0.5 millimetres

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

COARSE OR FINER FRACTION AVAILABLE?: yes

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 4.82 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHE	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 Apr. 13/2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D.P.T. # 1
"A" KYKE

SAMPLE N SAMPLE NUMBER: ARX-1 DIGESTION DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: D CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL C 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 C TOTAL CONCENTRATE EXAMINED: 2.24 grams DATE: MARCH 2002

NUMBER GRA NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				CLINNE	MICA		OPAQUES				OTHER						
	PHYROPE	ESCALGITE	ANDRADITE	ALMO	Cr DIOP	Cr Cpx	ENSTATITE	AUGITE	CLINNE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUITLE	AMPHL	SPHENE	ZIR	CORUN	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						4g
BROWN																						
BLACK																						
Dr. GREEN																						
DL GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL																						4g

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

KIMBERLITE OR RELATED MINERALS:

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MIN OTHER MINERALS OF INTEREST: pink corundum grains >3.0 mm

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

SIGNED BY: *[Signature]* March 20/02

ROBERT J. DALLMAH

ARJADEE PROSPECTING

D.D.I. #1

'A' DYKE

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			
	PHYROPE	ECLOGITE	ANDRADITE	ALM2	Cr Diop	Cr Grx	ENSTATITE	AUGITE	OLIVINE	PHILOSO	BIOTITE	CHROMITE	Mg ELEMENT	PEROV	MAG	PYRITE	ILITE	AMPH.	SPINEL	ZIR	CORUN
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN																					
BLACK																					
Br. GREEN						1g															
DL. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL						1g															

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

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

SIGNED BY:

Robert J. Dillman March 20/02

ROBERT J DILLMAN

ARJADEE PROSPECTING

1 CHROME DIOPSIDE GRAIN

D. D. T. #1

"A" DYKE

SAMPLE NUMBER: H2RX-10 SOIL

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 33.7

SIZE FRACTION: <6.0 ->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					AMPH	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Q-DIOPSIDE	Cr-CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BROTITE	CHROMITE	Mg-ILMENITE	PEROV	SiO2	PYRITE	RUTILE	AMPH	SPHENE	OTHER		
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN																						
BLACK											10%									4g		
Dr. GREEN																						
DL. GREEN																						
YELLOW											60%									2g		
CLEAR																						
SILVER																						
TOTAL											60%	10%	30%							4g	2g	

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 microilmnente candidates, rusty reaction rims well-preserved

PRIMITIVE KIMBERLITE OR OLIVINE LAMPROPHYRE DIKE

SIGNED BY: *RJD* March 18, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

03/19/2002 15:19 5192649278

ARJADEE PROSPECTING

PAGE 01

D.D.I #1

A' DYKE

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
NONMAGNETIC FRACTION: 0 grams
TOTAL 3.75 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

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				OLVINE	MICA		OPAQUES					OTHER		ZIR	C. N.	
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLVINE	PHLOGO	BROTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI.			SPHENE
PURPLE																					
LILAC																					
RED																					
ORANGE		2g																			
PINK																					
BROWN											70%										
BLACK			2g								10%			5%	10%						
Br. GREEN																					
DK. GREEN					1g			2g													
YELLOW									Tr.												
CLEAR									2%												?
SILVER																					
TOTAL		2g	2g		1g			2g	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

U.D.L. 1

"A" DYKE

SAMPLE NUMBER: DRX-3 Digestion

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 3 SIZE FRACTION: >1 millimetres

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

TOTAL CONCENTRATE EXAMINED: 3 grams DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	COHUN
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 metallics, 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 Digestion

DATE OF SUBMITION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 1 SIZE FRACTION: <0.5 millimetres

MAGNETIC FRACTION: 0 grams

COARSE OR FINER FRACTION AVAILABLE?: yes

NONMAGNETIC FRACTION: 1 grams

TOTAL 1 grams

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 1 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CO ₃	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						
BROWN											Tr.											
BLACK																						
Br. GREEN																						
Dr. 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			
	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																					5g
BROWN																					
BLACK															80%						
Br. GREEN																					
DK. GREEN																					
YELLOW																					
CLEAR																					
SILVER																					
TOTAL															80%						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 3/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 5.23 SIZE FRACTION: <5.0 - 1.0 millimetres

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

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 5.23 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES						OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMO	Cr DiOP	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	ROUTLE	AMPHI	SPHENE	ZIR	CORUN	
PURPLE																						
LILAC																						
RED																						
ORANGE																						
PINK																						10%
BROWN											1%											
BLACK															5%							
Gr. GREEN																						
DL. 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:

R. J. Dillman April 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

D. D. I. #1
"A" DYKE

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 COARSE OR FINER FRACTION AVAILABLE?: ?
NONMAGNETIC FRACTION: 30.4 grams
TOTAL: 30.4 grams 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					AMPH.	SPHENE	OTHER	
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPHIDE	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	GORUN.	
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN																					
BLACK												2		1%							
DK. GREEN					1g						15%										
DL. GREEN									50%												
YELLOW									20%												
CLEAR									5%												
SILVER										10%											
TOTAL					1g				75%	10%	15%	2g		1%							

Tr.: Trace g: grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE: 0 distance, sample on source

TOTAL KIMBERLITE OR RELATED MINERALS: >80%

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 megacrystal

SIGNED BY: *[Signature]* March 12/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

KIMBERLITE

D.O.T. "1"
"H" DYKE

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 COARSE OR FINER FRACTION AVAILABLE?:
NONMAGNETIC FRACTION: 27.1 grams
TOTAL 27.1 grams 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				AMPH.	SPHENE	OTHER
	PYROPE	ECLOGITE	ANDRADITE	OTHER %	Cr DIOPHIDE	Cr CPK	ENSTATITE	AUGITZ	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROVSKITE	PYRITE	RUTILE	AMPH.	SPHENE	CORUN.	
PURPLE																				
LILAC																				
RED																				
ORANGE			Tr.																	Tr.
PINK																				Tr.
BROWN				Tr.							10%	10%								
BLACK														40%	2 g					
Br. GREEN																				
DL 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: euohedral brown andradite crystals

SIGNED BY:  MARCH 13, 2002

COMMENTS: sample contains megacrystic mantle nodules of yellow olivine

ROBERT J. DILLMAN ARJADEE PROSPECTING

PEROVSKITE-ANDRADITE-MAGNETITE-OLIVINE-PHLOGOPITE LAMPROPHYRE DIKE

ARJADEE PROSPECTING

D. D. I. #1

'A' DYKE

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:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					AMPHL	SPHENE	OTHER	
	PYROPE	ESCILOGITE	ANDRADITE	OTHER %	Cr DICPIDE	Cr CFX	ENSTATITE	AUGITE	OLIVINE	PHLOGOPITE	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	BAO	PYRITE	RUTILE	AMPHL	SPHENE	CORUN.
PURPLE																				
LILAC																				
RED																				
ORANGE																				
PINK																				2 g
BROWN											10%									
BLACK			5 g								10%			5 g	10 g					
DR. GREEN																				
DL. GREEN									40%											
YELLOW									30%											
CLEAR																				
SILVER									10%											
TOTAL									80%	10%	10%			5 g	10 g					2 g

Tr.: Trace

g: grains

KIMBERLITE OR RELATED MINERALS: yes

DISTANCE ESTIMATE: 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:

RJD March 14/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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

D.D.I. #1
F" CROSS DYKE

SAMPLE NUMBER: 21107 6m to 20m

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

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

MAGNETIC FRACTION: 0 grams
NONMAGNETIC FRACTION: 4.74 grams
TOTAL 4.74 grams

COARSE OR FINER FRACTION AVAILABLE?: YES

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		SPHENE	ZIR	CORUN.
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr Diop	Cr CPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg KUMENITE	PEROV	MAG	PYRITE	RUTILE	AMPH.			
PURPLE																					
LILAC																					
RED																					
ORANGE																					
PINK																					
BROWN											5%										
BLACK															8 g						
Br. GREEN																					
Dr. 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

D. D. I. #1
"F" CROSS DYKE

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				CLARNE	MICA			OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DiOP	Cr Cpx	ENSTATITE	AUGITE	OLVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZR	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:  4 of 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

04/14/2002 14:08 5192649278 ARJADEE PROSPECTING

D.D.I # 1
D. DYKE

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:

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

Robert J. Dillman Apr 13/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

CD...I #1

"D" DYKE

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

COARSE OR FINER FRACTION AVAILABLE?:

NONMAGNETIC FRACTION: 0 grams

TOTAL 6.73 grams

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				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	ZR	CORUN.	
PURPLE	8 g																					
LILAC																						
RED																						
ORANGE	3 g																					
PINK		5%																				5%
BROWN											20%											
BLACK														5%	20%							
Br. GREEN																						
Dk. GREEN																						
YELLOW																						
CLEAR																						
SILVER																						
TOTAL	11 g	5%									20%			5%	20%							5%

Tr. : Trace (<1%)

g : grains

KIMBERLITE OR RELATED MINERALS: YES

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST: small pyropes of gem quality.

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

SIGNED BY:

RJD April 13, 2002

ROBERT J. DILLMAN

ARJADEE PROSPECTING

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.					
Gr. 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

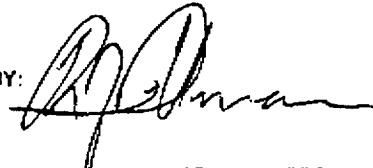
DISTANCE ESTIMATE: red zircon source close to site.

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

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

SIGNED BY:


 Apr 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

ARJADEE PROSPECTING
 PAGE 08
 5192649278
 17:22
 06/03/2002

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

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

KIMBERLITE OR RELATED MINERALS: NO

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

TOTAL KIMBERLITE OR RELATED MINERALS:

OTHER MINERALS OF INTEREST:

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

SIGNED BY: *RJD. Dillman* MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

SAMPLE NUMBER: DDI - 1 - 2

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVED: 43.5 SIZE FRACTION: <5.0 ->1.0 millimetres

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

COARSE OR FINER FRACTION AVAILABLE?:

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 43.5 grams

DATE: MARCH 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE		MICA			OPAQUES				OTHER				
	PYROPE	ECLOGITE	ANDRADITE	ALM	CLDOP	CLCPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg	ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHL	SPHENE	ZIR	CORUN.
PURPLE																						
LILAC																						
RED																						
ORANGE				Tr.																		
PINK				3g																		
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.

GRAPHITE ZONE

SIGNED BY:

ROBERT J. DILLMAN

ARJADEY PROSPECT TWO

0137257407 2002.027.200 0174467210 ARJADEY PROSPECT TWO PAGE 01

SAMPLE NUMBER: DDI - 1 - 4

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 47.9

SIZE FRACTION: <1.0 millimetres

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

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 47.9 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA			OPAQUES				OTHER					
	PYROPE	ECLOGITE	ANDRADITE	ALMD	Cr DIOP	Cr OPX	ENSTATITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENITE	PEROV	MAG	PYRITE	RUTILE	AMPHI	SPHENE	ZIR	CORUM	
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

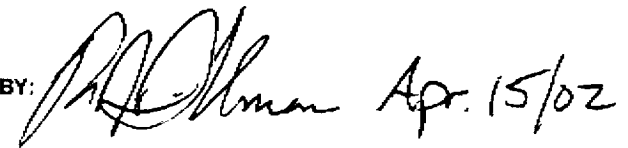
KIMBERLITE OR RELATED MINERALS: YES?

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:



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

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Potential lamprophyric minerals, no mica.

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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 ELEMENT	PEROV	MAG	PYRITE	RUTILE	AMPH.	SPHENE	ZIR	CORUM.
PURPLE																					2 g
LILAC																					
RED				Tr.																	
ORANGE				35%																	5%
PINK				20%																	
BROWN																					10%
BLACK											1 g				15%	1%					15%
Br. GREEN																					
DK. GREEN																					
YELLOW																					Tr.
CLEAR																					
SILVER																					
TOTAL				55%							1 g				15%	1%					25%

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

KIMBERLITE OR RELATED MINERALS: NO?

DISTANCE ESTIMATE:

TOTAL KIMBERLITE OR RELATED MINERALS: 1 g

OTHER MINERALS OF INTEREST:

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

SIGNED BY:

RJD MAY 31/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

04/17/2002 15:56 5192649278 ARJADEE PROSPECTING PAGE 01

SAMPLE NUMBER: DDI - 1 - 6

DATE OF SUBMISSION: SEPTEMBER 2001

CLIENT: DIAMOND DISCOVERIES INTERNATIONAL

TOTAL CONCENTRATE RECEIVE: 33 SIZE FRACTION: <1.0 millimetres

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

COARSE OR FINER FRACTION AVAILABLE?: ?

PETROLOGY BY: RJD

TOTAL CONCENTRATE EXAMINED: 33 grams

DATE: APRIL 2002

NUMBER GRAINS SUBMITTED FOR ANALYSES:

ELECTRON MICROPROBE: RL.BARNETT GEOLOGICAL SERVICES, LAMBETH ONTARIO

SUBMISSION DATE:

COLOUR	GARNET				PYROXENE				OLIVINE	MICA		OPAQUES					OTHER				
	PYROPE	ECLOGITE	ANDRADITE	AL.MD	Cr. DiOP	Cr. CPX	ENSTATTITE	AUGITE	OLIVINE	PHLOGO	BIOTITE	CHROMITE	Mg ILMENT	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:  Apr 15/02

ROBERT J. DILLMAN

ARJADEE PROSPECTING

Lakefield Research



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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

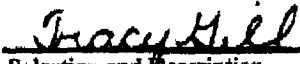
Sample No: 5884

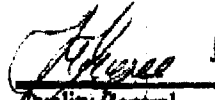
Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic 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)*: 0.000
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
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.

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January 25, 2002

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

LIMS No. MI0015-SEP01

Sample No. 5884

Client: Diamond Discoveries International Corp.

Sample Weight: 176.70 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description Morphology
	X	Y	Z	mg	Carats				
-600 / + 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.

Lakefield Research



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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. 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.

Tracy Gill
Selection and Description
Tracy Gill
Mineralogy Technician

Robert Buchan
Quality Control
Robert Buchan
Consulting Mineralogist

Note:

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January 25, 2002

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

LIMS No. MI0015-SEP01

Sample No. 5882

Client: Diamond Discoveries International Corp.

Sample Weight: 104.60 kg

No.	Stone Dimension, mm			Weight		Colour	Clarity	Percent Preservation	Stone Description Morphology
	X	Y	Z	mg	Carats				
+ 4.75 mm fraction									
0					0.000000				
0				0.000	0.000000	Sub-Total			
-4.75 / + 3.35 mm fraction									
0					0.000000				
0				0.000	0.000000	Sub-Total			
-3.35 / + 2.36 mm fraction									
0					0.000000				
0				0.000	0.000000	Sub-Total			
-2.36 / + 1.70 mm fraction									
0					0.000000				
0				0.000	0.000000	Sub-Total			
-1.70 / + 1.18 mm fraction									
0					0.000000				
0				0.000	0.000000	Sub-Total			
-1.18 / + 0.85 mm fraction									
0					0.000000				
0				0.000	0.000000	Sub-Total			
-850 / + 600 µm fraction									
0					0.000000				
0				0.000	0.000000	Sub-Total			



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MJ0015-SEP01

Sample No. 5883 "F"

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

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
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.

Lakefield Research



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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 20, 2001

Client: Diamond Discoveries International Corp.

LIMS No. M10015-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

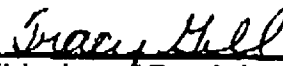
Sample Weight: 47.20 kg


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. 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



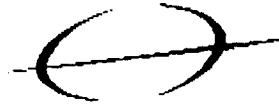
Quality Control
Robert Buchan
Consulting Mineralogist

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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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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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

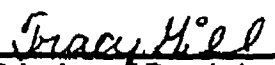
Sample Weight: 35.40 kg


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

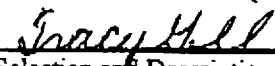
Sample No. 5273 "B"

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

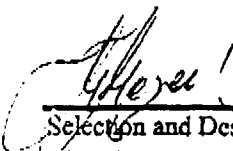
Sample Weight: 83.92 kg

Total Weight (carats)*: 0.000

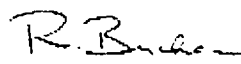
Number of Syndites: 0

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 Mezci
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.

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. 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 Mezci
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. 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:

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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:

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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. 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



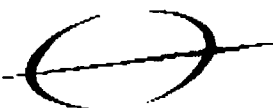
Quality Control
Robert Buchan
Consulting Mineralogist

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: 8901-278

Date: December 19, 2001

Client: Diamond Discoveries International Corp.

LIMS No. MJ0015-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 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 Mézei
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"

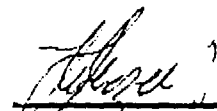
Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments, oxides, and silicates
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable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

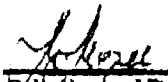
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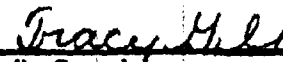
Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+100	Ferromagnetic Mag	Oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic Mag (0.5 amp)	Oxides and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

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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

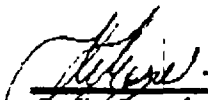
Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments and oxides
+100	Ferromagnetic Mag	Rock fragments and oxides
-20+100	Paramagnetic Mag (0.1 amp)	Not applicable
-20+100	Paramagnetic Mag (0.3 amp)	Not applicable
-20+100	Diamagnetic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


Selection and Description
Tracy Gill
Mineralogy Technician


Quality Control
Maria Mezzi
Diamond Selection Specialist

Note:

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