GM 61617

MICRODIAMOND EXTRACTION, SELECTION AND DESCRIPTION

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Énergie et Ressources naturelles
Québec

SGS Lakefield Research Limited

Mineralogical Services

Ressources naturelles et Faune, Québec
06 OCT. 2005
Service de la Géoinformation

Microdiamond Extraction, Selection and Description

submitted by

Diamond Discoveries International Corporation GM 61617

8901-278 MI0005-MAR04

REÇU AU MRNFP
07 OCT. 2004
BUREAU DU REGISTRAIRE

NOTE: This report refers to the samples as received.

The practice of this Company in issuing reports of this nature is to require the recipient not to publish the report or any part thereof without the written consent of SGS Lakefield Research Limited.

Lakefield Research

SGS Lakefield Research Limited | P.O. Box 4300, 185 Concession Street, Lakefield, Ontario, Canada K0L 2H0
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Member of SGS Group (Société Générale de Surveillance)

3 May 2004

TM 04 281 027

Summary

Microdiamond Extraction, Selection and Description

Microdiamond extraction, selection and description was performed for the fifteen rock samples listed below. The caustic dissolution residues were collected on a 150 mesh (100 µm) screen, and then submitted for Frantz magnetic separation to concentrate the microdiamonds into the non-paramagnetic fraction. The results of the diamond selection process are reported as a Certificate of Analysis in Appendix A.

1: 90904	4: 90908	7: 90936	10: 90942	13: 92227
2: 90905	5: 90909	8: 90938	11: 92220	14: 92228
3: 90907	6: 90927	9: 90941	12: 92226	15: 92245

As part of our on-going commitment to providing a high quality service and to monitor the recovery efficiency of sample material in each kiln pot, we put spikes in each sample and recovered these spikes at the end of the process during microdiamond selection. The recovery of coarse, 35 mesh spikes in this group of samples was 90% whereas the recovery of relatively fine, 80 mesh spikes was 85%.

A detailed description of the microdiamond extraction process, as well as a generalized processing flow sheet, may be found in Appendix B.

SGS Lakefield Research Limited

Bruce Craig Jago, Ph.D., P. Geo.
Group Leader - Diamond Services

19 May 2004

Technical Support: Rob Gill and Scott Young, Elena Valeyeva and Zakia Al Haddad.

APPENDIX A

CERTIFICATE OF ANALYSIS
RESULTS OF MICRODIAMOND
EXTRACTION, SELECTION AND DESCRIPTION

SGS Lakefield Research Limited
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Diamond Discoveries International Corp. c/o Prospecting Geophysics
Attn : Peter Ferderber

114 Villeneuve Street
Val D'Or, Quebec - J9P 3L7
Canada
Fax :(819) 824-3866

Lakefield Friday, April 30, 2004

Date Rec. : 22 March 2004
LR. Ref. : MI0005-MAR04
Project : 8901-278

CERTIFICATE OF ANALYSIS

Sample ID	*Login Wt kg	*# Pours	*Dia #	*Dia (ct)
1: 90904	19.3	3	0	0.000
2: 90905	60.5	9	0	0.000
3: 90907	37.1	6	0	0.000
4: 90908	52.4	8	0	0.000
5: 90916	43.5	7	0	0.000
6: 90927	61.0	9	0	0.000
7: 90936	35.3	5	0	0.000
8: 90938	22.1	3	0	0.000
9: 90941	48.1	7	0	0.000
10: 90942	15.0	2	0	0.000
11: 92220	15.2	2	0	0.000
12: 92226	15.3	2	0	0.000
13: 92227	14.5	2	0	0.000
14: 92228	18.5	3	0	0.000
15: 92245	22.8	3	0	0.000

Bruce Jago, Ph.D., P.Geo
Group Leader - Diamond Services

The tests included in this report are within the scope of this accreditation. Accredited parameters are indicated by an asterisk (*). Data reported represents the sample submitted to SGS Lakefield Research.
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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 20, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90904**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Oxides, silicates, and rock fragments
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides, silicates, and rock fragments
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 19.30 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

SGS 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**
Client: **Diamond Discoveries International Corp.**

Date: April 20, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90904**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 19.30 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 weighed to within 0.002 mg.

Selection and Description
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Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

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April 20, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90904**
Sample Weight: 19.30 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 20, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90904**
Sample Weight: 19.30 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90905**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides
+150	Ferromagnetic Mag	Oxides, silicates, and rock fragments
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 60.50 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Maria Mezei
Mineralogy Technician

Note:

SGS 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**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90905**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 60.50 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 weighed to within 0.002 mg.

Selection and Description
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Mineralogy Technician

Quality Control
Maria Mezei
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90905**
Sample Weight: 60.50 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90905**
Sample Weight: 60.50 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90907**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and rock fragments
+150	Ferromagnetic Mag	Oxides and rock fragments
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides, silicates, and rock fragments
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 37.10 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valcyeva
Mineralogy Technician

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90907**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 37.10 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 weighed to within 0.002 mg.

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90907**
Sample Weight: 37.10 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90907**
Sample Weight: 37.10 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90908**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and rock fragments
+150	Ferromagnetic Mag	Oxides, silicates, and rock fragments
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 52.40 kg
Number of Syndites: 0

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

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

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90908**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 52.40 kg
Number of Syndites: 0

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

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

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valcyeva
Mineralogy Technician

Note:
SGS 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.

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

SGS LAKEFIELD RESEARCH LIMITED
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90908**
Sample Weight: 52.40 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	Sub-Total			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90908**
Sample Weight: 52.40 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **90916**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and silicates
+150	Ferromagnetic Mag	Oxides and silicates
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 43.50 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valcyeva
Mineralogy Technician

Note:

SGS 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**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90916**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 43.50 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 weighed to within 0.002 mg.

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valcyeva
Mineralogy Technician

Note:

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90916**
Sample Weight: 43.50 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90916**
Sample Weight: 43.50 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90927**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides
+150	Ferromagnetic Mag	Oxides
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 61.00 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90927**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 61.00 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 weighed to within 0.002 mg.

Selection and Description
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Mineralogy Technician

Quality Control
Elena Valcyeva
Mineralogy Technician

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90927**
Sample Weight: 61.00 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90927**
Sample Weight: 61.00 kg

Client: **Diamond Discoveries International Corp.**

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

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009/021

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **90936**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and rock fragments
+150	Ferromagnetic Mag	Oxides and rock fragments
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides, silicates, and rock fragments
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 35.30 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90936**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 35.30 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 weighed to within 0.002 mg.

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90936**
Sample Weight: 35.30 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90936**
Sample Weight: 35.30 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **90938**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and rock fragments
+150	Ferromagnetic Mag	Oxides, silicates, and rock fragments
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 22.10 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

SGS 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.

SGS Lakefield Research

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

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90938**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 22.10 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 weighed to within 0.002 mg.

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valcyeva
Mineralogy Technician

Note:
SGS 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.

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

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90938**
Sample Weight: 22.10 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	Sub-Total			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90938**
Sample Weight: 22.10 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90941**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides
+150	Ferromagnetic Mag	Oxides and silicates
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 48.10 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Maria Mezei
Mineralogy Technician

Note:

SGS 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**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **90941**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 48.10 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 weighed to within 0.002 mg.

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Maria Mezei
Mineralogy Technician

Note:
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90941**
Sample Weight: 48.10 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90941**
Sample Weight: 48.10 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **90942**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+150	Ferromagnetic Mag	Oxides and silicates
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 15.00 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
Elena Valcyeva
Mineralogy Technician

Quality Control
Zakia AL-Haddad
Mineralogy Technician

Note:
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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **90942**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 15.00 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 weighed to within 0.002 mg.

Selection and Description
Elena Valeyeva
Mineralogy Technician

Quality Control
Zakia AL-Haddad
Mineralogy Technician

Note:

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90942**
Sample Weight: 15.00 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **90942**
Sample Weight: 15.00 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92220**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Oxides
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides, silicates, and graphite
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 15.20 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
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:
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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92220**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 15.20 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 weighed to within 0.002 mg.

Selection and Description
Zakia AL-Haddad
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92220**
Sample Weight: 15.20 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	Sub-Total			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92220**
Sample Weight: 15.20 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92226**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides
+150	Ferromagnetic Mag	Oxides
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 15.30 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
Elena Valeyeva
Mineralogy Technician

Quality Control
Zakia AL-Haddad
Mineralogy Technician

Note:
SGS 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.

SGS Lakefield Research

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**
Client: **Diamond Discoveries International Corp.**

Date: April 27, 2004
LIMS No. **MI0005-MAR04**
Sample No. **92226**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 15.30 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 weighed to within 0.002 mg.

Selection and Description
Elena Valeyeva
Mineralogy Technician

Quality Control
Zakia AL-Haddad
Mineralogy Technician

Note:
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92226**
Sample Weight: 15.30 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92226**
Sample Weight: 15.30 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92227**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides
+150	Ferromagnetic Mag	Oxides
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 14.50 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
Elena Valeyeva
Mineralogy Technician

Quality Control
Tracy Gill
Mineralogy Technician

Note:
SGS 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: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92227**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 14.50 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 weighed to within 0.002 mg.

Selection and Description
Elena Valcyeva
Mineralogy Technician

Quality Control
Tracy Gill
Mineralogy Technician

Note:
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92227**
Sample Weight: 14.50 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92227**
Sample Weight: 14.50 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92228**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Rock fragments
+150	Ferromagnetic Mag	Oxides and silicates
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 18.50 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
Elena Valeyeva
Mineralogy Technician

Quality Control
Tracy Gill
Mineralogy Technician

Note:
SGS 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: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92228**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 18.50 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 weighed to within 0.002 mg.

Selection and Description
Elena Valcyeva
Mineralogy Technician

Quality Control
Tracy Gill
Mineralogy Technician

Note:
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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92228**
Sample Weight: 18.50 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+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			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	Sub-Total			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92228**
Sample Weight: 18.50 kg

Client: **Diamond Discoveries International Corp.**

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

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278** Date: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92245**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides, silicates, and rock fragments
+150	Ferromagnetic Mag	Oxides
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates, and graphite

Sample Weight: 22.80 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
Elena Valeyeva
Mineralogy Technician

Quality Control
Maria Mezei
Mineralogy Technician

Note:
SGS 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: April 27, 2004
Client: **Diamond Discoveries International Corp.** LIMS No. **MI0005-MAR04**
Sample No. **92245**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	0	0.000	0.000
	-212 / +150 µm	0	0.000	0.000
	-150 / +100 µm	0	0.000	0.000
	TOTAL	0	0.000	0.000

Sample Weight: 22.80 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 weighed to within 0.002 mg.

Selection and Description
Elena Valeyeva
Mineralogy Technician

Quality Control
Maria Mezei
Mineralogy Technician

Note:
SGS 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.

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92245**
Sample Weight: 22.80 kg

Client: **Diamond Discoveries International Corp.**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 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**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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April 27, 2004

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **8901-278**

LIMS No. **MI0005-MAR04**
Sample No. **92245**
Sample Weight: 22.80 kg

Client: **Diamond Discoveries International Corp.**

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

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APPENDIX B

EXPLANATION OF MICRODIAMOND EXTRACTION AND SELECTION PROCEDURE AND FLOWSHEET

DIAMOND EXTRACTION BY CAUSTIC DISSOLUTION

Introduction

Caustic dissolution of exploration samples efficiently produces a concentrate from which diamonds can readily be extracted during microscopic examination. The process takes advantage of diamond's property of high resistance to caustic soda (NaOH), eliminating diamond size reduction and loss that often occurs during extraction procedures that rely on crushing and attrition milling.

Procedure

The samples are processed according to the attached flowsheet. Very few minerals survive the harsh chemical attack, therefore weight reductions commonly exceed 99% of the initial sample weight.

As-received samples are divided into equally sized charges of less than 8 kg. Smaller charge sizes are necessary if the sample contains a high proportion of carbonate minerals, which are vigorously reactive with NaOH (the carbonate content is evaluated by an acid test prior to charge preparation). If a high proportion of the sample is composed of fragments larger than 8 cm, simple breakage, crushing or attrition milling may be required for an effective dissolution, or the length of the dissolution process may be increased. Client consultation and approval is necessary before any size reduction of the sample is initiated.

After digestion in molten caustic soda, the sample is poured onto a large-diameter 200 mesh (74 μm) screen. The + 200 mesh residue is liberated from the NaOH by washing the sample in a series of water and acid leach (HCl) baths. Once all of the NaOH is dissolved and removed, the concentrate is dried and screened on a 6 mesh screen to remove undigested material. The undigested material is examined microscopically by a mineralogist. If a significant amount of +6 mesh remains, or if the material consists of possible diamondiferous rock fragments, further digestion may be required. If the undigested material is of insignificant size or not considered as a possible source of diamonds, the -6 mesh residue is further processed by a two (possibly three if the residue is large) stage magnetic separation procedure utilising a permanent magnet and a Frantz Barrier Magnetic Separator.

The magnetically characterised residue is then submitted for microscopic examination and diamond selection. In addition to diamonds, the residue may contain partially undigested indicator minerals, colourless to opaque spinel, garnet, ilmenite, graphite, moissanite, zircon and kyanite. Each of the magnetic fractions is examined at a magnification of 40x using a binocular microscope. Grains of questionable mineralogy are examined using a scanning electron microscope equipped with an energy dispersive spectral (SEM-EDS) analyser. Although each magnetically characterised fraction is examined, particular emphasis is given to the diamagnetic portion.

The X, Y and Z dimensions of selected microdiamonds are measured in millimetres. Macrodiamonds are weighed individually while microdiamonds are weighed in groups of 20 or 30, with the milligram weight, in each case, converted to carats. The colour, clarity and morphology of each diamond are determined and all observations reported in a Certificate of Analysis. Synthetic diamonds released into a sample by diamond drill bits are selected and reported as "syndites" on the diamond description sheet.

Quality Control

Routine quality control tests are utilised to evaluate the efficiency of the caustic dissolution processing technique. Since the beginning of 2004, we have started reporting SGS-LR spike recoveries together with diamond results. During 2003, we experimented with the addition of two sizes (80 and 35 mesh) of synthetic diamond spikes with great success including one project, which ran for approximately six months, in which one of our clients used "Congo Rounds" as natural diamond spikes. Diamond spikes recoveries for our client's spikes ran at 95% whereas recoveries for our 35 and 80 mesh synthetic diamond spikes were 96% and 93%, respectively.

In addition to the above aspect of Quality control, each caustic dissolution residue is picked twice by separate diamond pickers. Questionable grains are examined by SEM-EDS for verification.

Every effort is made at each stage of sample handling during caustic dissolution, residue preparation and diamond picking to eliminate the possibility of contamination. These steps include:

- A rigorous sample tracking procedure.
- Dedicated screens and equipment for each sample during sample processing.
- Replacement of screens between each sample after pouring caustic soda.
- Thorough washing and scrubbing of all sample containers.
- Thorough cleaning of equipment used to prepare caustic residues between each processed sample.
- Sandblasting of each kiln pot between clients projects to ensure the removal of any microdiamonds or indicator minerals.

Customized flowsheets for sample processing utilising caustic dissolution and other sample preparation techniques (magnetic, gravity, flotation, acid leaching, etc.) can be developed, in consultation with the client, to meet specialised requirements.

SGS Lakefield Research Limited is not responsible for the determination of the origin, quality or valuation of any diamonds recovered unless otherwise instructed by the client.

Caustic Dissolution for Microdiamond Recovery