

Agrium

Kapuskasing Phosphate Operations
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REPORT ON THE WINTER 2004-2005
EXPLORATION DRILLING PROGRAM

Cargill Township
District of Cochrane
Ontario



Kapuskasing Ontario
October 2006

Peter Marengi &
Mary Stalker

SUMMARY

Agrium Inc. conducted an exploration diamond drill program during the winter of 2004-2005 at the Kapuskasing Phosphate Operation. The purpose of the drilling was to test the western extent of phosphate mineralization extending from the existing open pit mine.

From November 2, 2004 to February 4, 2005, a total of 1929.5m of diamond drilling in fourteen holes was completed. The drillholes intersected clay, till, carbonatite residuum, pyroxenite residuum, ultramafic dike residuum, granite/granodiorite gneiss residuum, carbonatite, pyroxenite, and granite/ granodiorite gneiss. Significant phosphate mineralization was encountered in five of the drillholes.

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1.0 INTRODUCTION

A program of exploration diamond drilling was planned for the winter of 2004-2005 at Agrium Inc.'s Kapuskasing Phosphate Operation. The program was designed to explore the western edge of the existing pit for additional mineralization and for geotechnical information useful in planning the pit walls. The geology of this area was known to be complex due to the presence of a fault and numerous lithologies.

2.0 LOCATION AND ACCESS

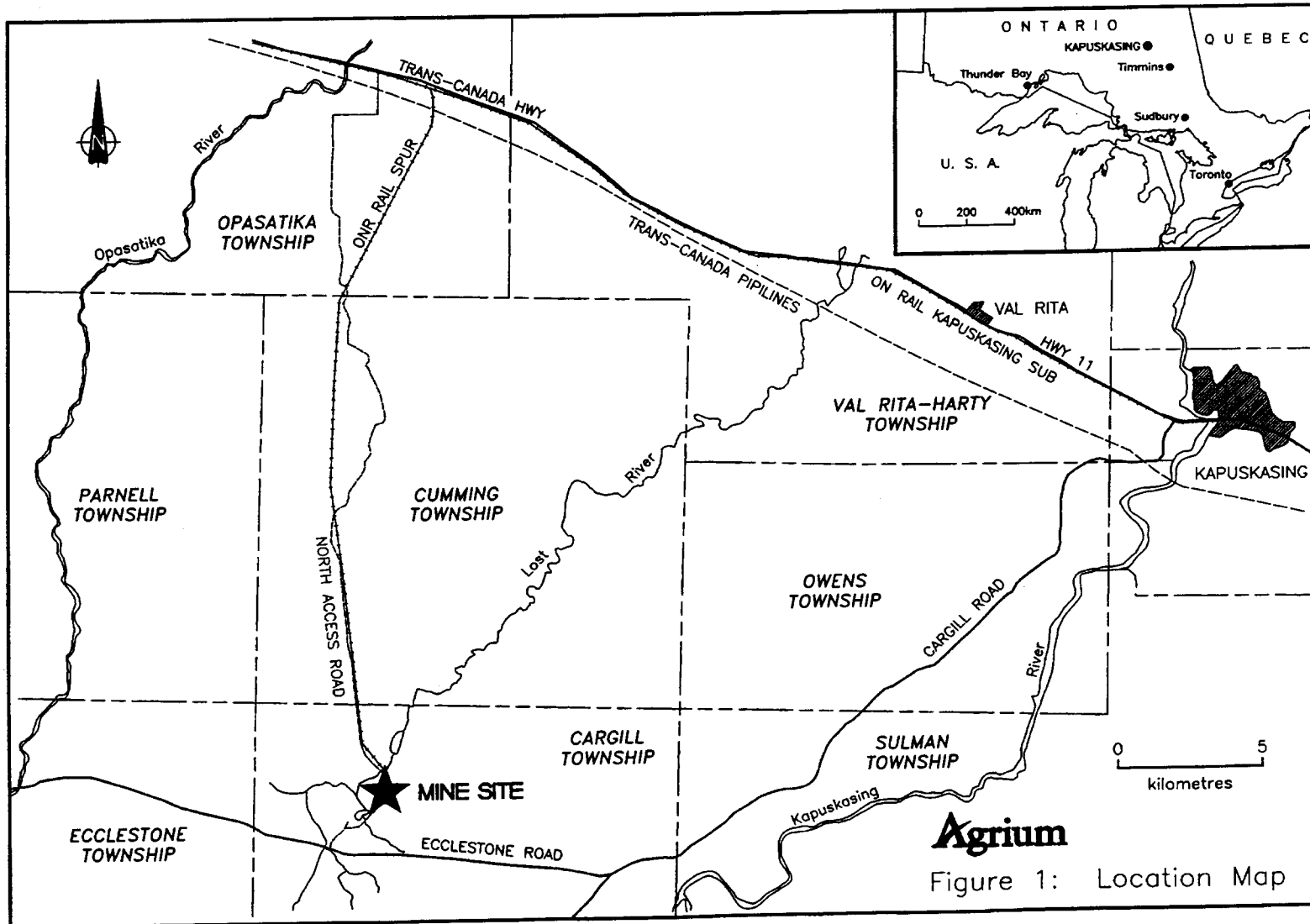
The drilling program was carried out both within and adjacent to Agrium Inc. Kapuskasing Phosphate Operations' open pit mine. The mine is located approximately 30km southwest of the community of Kapuskasing, Ontario (figure 1). Access to the mine is by Cargill road and Ecclestone road from the western outskirts of Kapuskasing.

3.0 MINING LAND

The Kapuskasing Phosphate Operation is located in Cargill Township. Mining lands held by Agrium Inc. extend into Cumming and Ecclestone townships (figure 2). The drilling program was situated in Cargill Township on the mining claims/leases listed in table 1. The meterage drilled and total cost is also shown for each claim/lease in table 1.

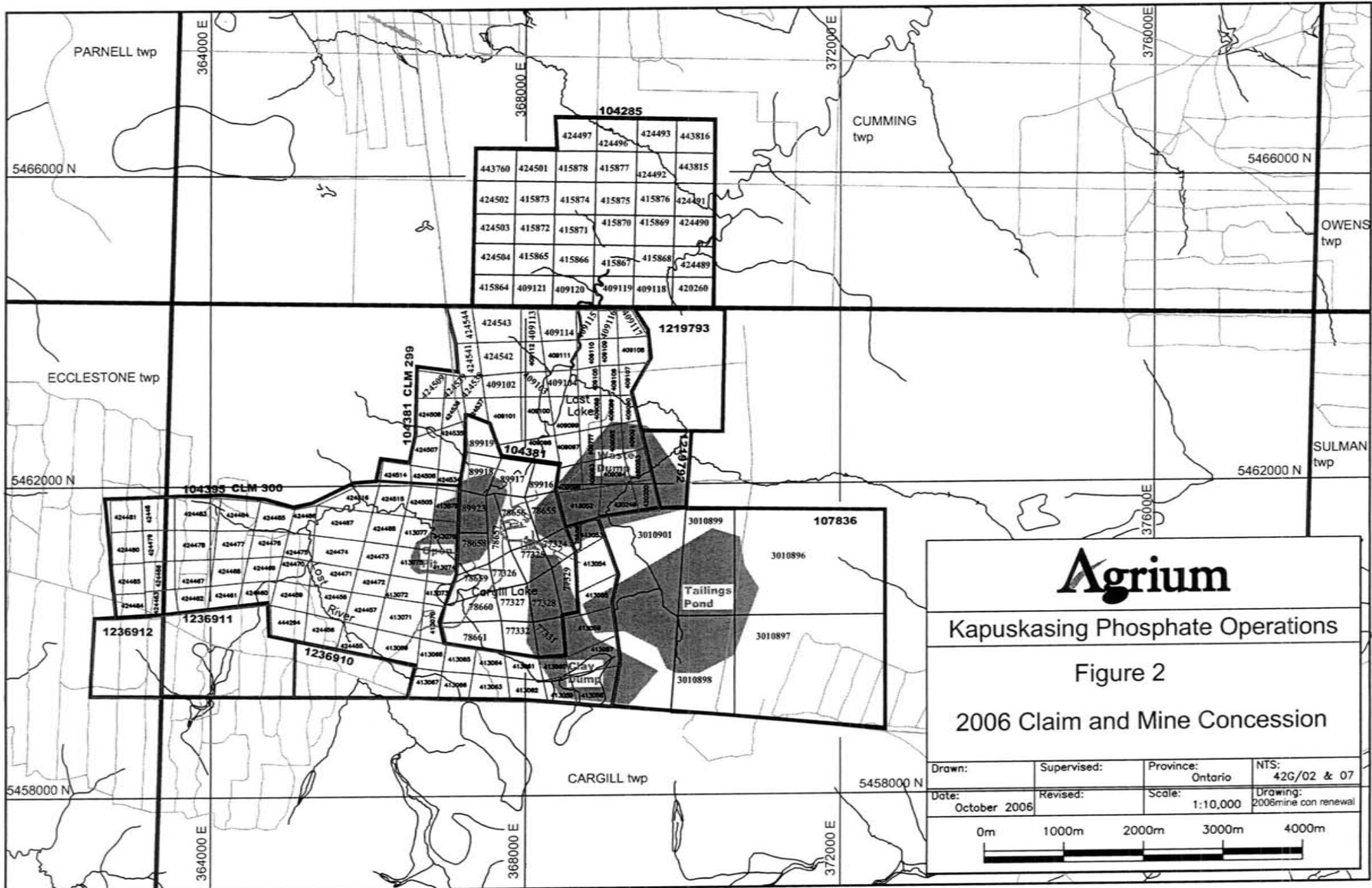
Claim Number	Lease Number	Amount Drilled (m)	Total Cost
S89923	104714-13	69.5	9117.52
P413076	104395/CLM300	1110.5	145683.52
P413077	104395/CLM300	366.5	48080.15
P413078	104395/CLM300	383	50244.74
TOTAL		1929.5	253125.93

Table 1: List of claims and mining leases explored in the winter 2004-2005 program.



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Figure 1: Location Map



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Figure 2

2006 Claim and Mine Concession

Drawn:	Supervised:	Province: Ontario	NTS: 42G/02 & 07
Date: October 2006	Revised:	Scale: 1:10,000	Drawing: 2006mine con renewal

0m 1000m 2000m 3000m 4000m

4.0 PREVIOUS WORK

Exploration interest in the mine site area was generated after a government survey indicated a large geophysical anomaly. The claims were first explored for copper and later for phosphate and vermiculite.

In 1954, Continental Copper Mines Ltd. carried out a magnetometer survey. This was followed by 945m of diamond drilling in seven holes in 1955.

Kenngo Exploration (Canada) Limited completed 18km of induced polarization in the fall of 1969, followed by a ground magnetometer survey and 1062m of diamond drilling in six drillholes in the winter of 1970.

In 1969, Union Carbide (Canada) Mining Ltd. conducted a ground magnetometer survey over a portion of the property.

International Minerals undertook a large exploration program including 18,515m of reverse circulation drilling in 201 holes, and an aeromagnetic survey of the property in 1975 and 1976.

Sherritt Gordon Mines Limited continued the work started by International Minerals completing 103 auger and sonic drillholes totaling 4862m in 1980. In 1981, an additional 162m of sonic drilling in 11 holes was followed, in 1985, by 78m of percussion drilling in 22 holes.

In 1995, Sherritt Inc. drilled 2315m in 25 holes by reverse circulation method.

Viridian Inc. completed 7530m of reverse circulation drilling in 78 holes in 1996.

Agrium Inc. completed 624m of diamond drilling in 7 holes in 1997 and an additional 403m of sonic drilling in 5 holes in 1998. In 1999 Agrium Inc. began production at the Kapuskasing Phosphate Operation and had ongoing production drilling as well as mine site exploration and delineation drilling to extend known mineralization and define final pit boundaries. The 2004-2005 program was a part of this ongoing minesite drilling.

5.0 REGIONAL GEOLOGY

The Cargill Township Carbonatite complex is one of a number of carbonatite complexes within the Kapuskasing Structural Zone. Pressacco (2000) described the geology of the complex.

The local geology consists of a core complex of multi-phased carbonatite rocks which are surrounded by a ring of pyroxenite, and have provided a U-Pb age date of 1907 Ma +/-4 (Sage, 1988). These two rock types are in turn situated within quartz diorite gneisses that form a large portion of the Kapuskasing Structural Zone. The carbonatite host rock is sub-divided into two sub-types: sovite and rauhaugite. The sovite is a medium to coarse grained, white, banded rock in which calcite is the dominant carbonate species and it includes accessory minerals such as phlogopite, magnetite, clinohumite, apatite, olivine, pyrrhotite, and amphibole. Apatite can reach 15% abundance in this rock type (Sage, 1988). In sharp contrast to the sovite, the rauhaugite appears as a massive, fine grained, dense, beige to tan coloured rock in which dolomite is the dominant carbonate species. Phosphate values can range to 14% P₂O₅ in the rauhaugite.

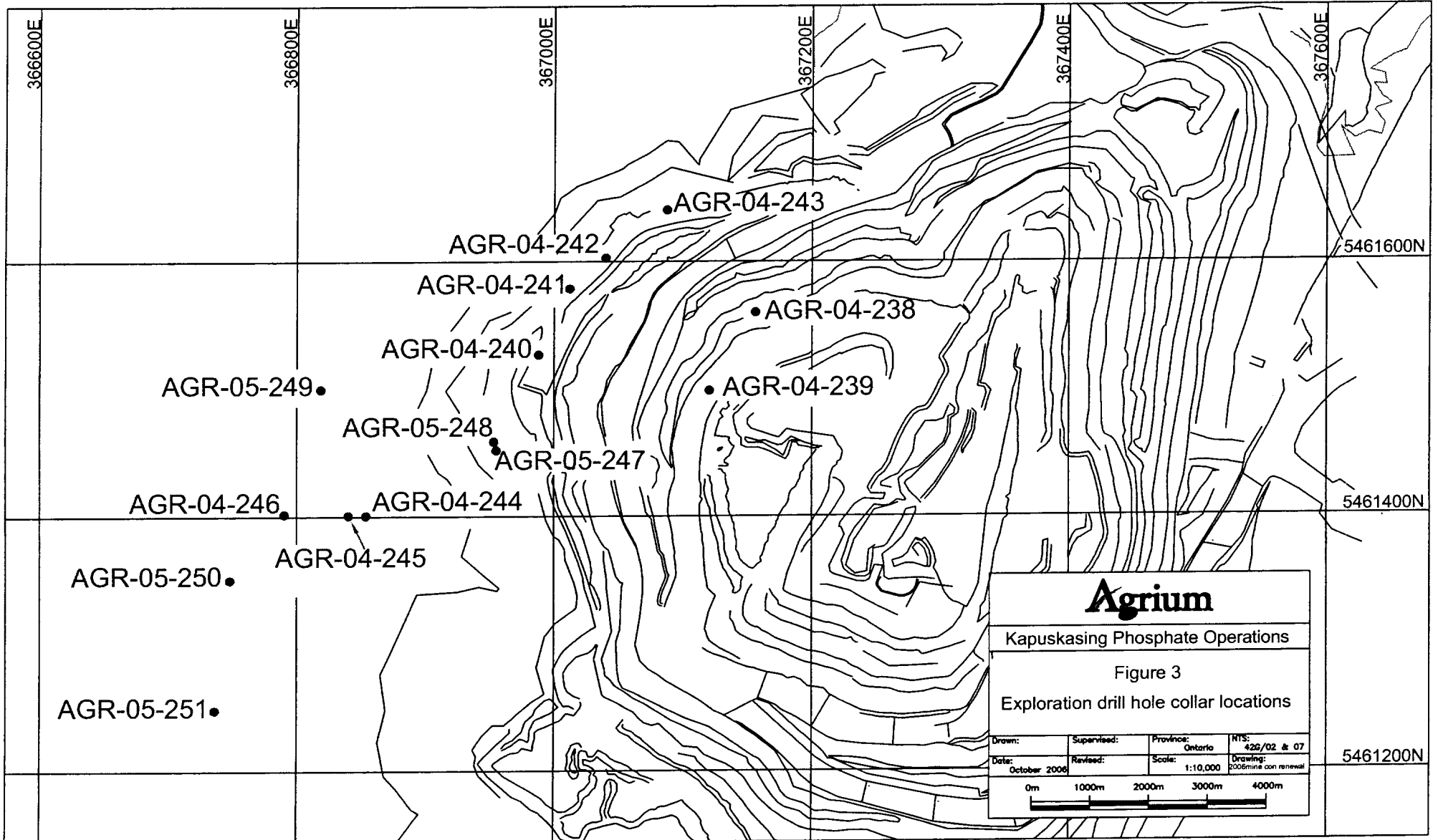
The high grade ore at Kapuskasing Phosphate Operations is derived from the weathering and dissolution of the soluble minerals in the host carbonatite rock (eg. phlogopite). This process has left behind a residue of the insoluble minerals, largely apatite crystals, which is termed residuum. This residuum is formed above the host carbonatite, and is in turn covered by glacial deposits of lacustrine clays, and boulder tills of the Pleistocene age. Limited data suggest that this weathering took place during the late Cretaceous period (Sage, 1988).

6.0 WINTER 2004-2005 DIAMOND DRILLING PROGRAM

Between November 2, 2004 and February 4, 2005 a program of 1929.5m of diamond drilling in fourteen holes was completed (figure 3). The drilling contractor was Norex Drilling Ltd. of Timmins, Ontario. Ten of the drillholes were drilled vertically while four were angled holes. All of the drillholes were of HQ core size at the collar but in some of the holes a change was made to NQ core size due to the tightening of the HQ rods. Acid dip tests were taken in one of the angled drillholes. Due to the extremely high magnetics no downhole survey of azimuth was taken. All drillhole collars were surveyed with a Trimble real time differential GPS using the UTM co-ordinate system (NAD 27, Zone 17).

All drillholes were planned to end 10m into bedrock but due to difficult drilling conditions bedrock was not always encountered. The program was supervised by Peter Marenghi of 39 Pine Street; Kapuskasing, Ontario. The drillholes were logged by M. Stalker of Box 664; Schumacher, Ontario; P0N 1G0. Sampling was by manual core splitter and trowel with half the core sampled and the rest retained and stored at the mine. Analysis was completed by the minesite laboratory. Rejects and pulps were retained and stored at the mine. Magnetic susceptibility readings were taken of the pulps and are included with the assay results. Copies of the drill logs are provided in Appendix A and sections and a plan of the drillholes are in Appendix B.

Clay and till was intersected in the drillholes, except for some of those collared within the open pit. Carbonatite residuum, pyroxenite residuum, ultramafic dike residuum, granite/granodiorite gneiss residuum, carbonatite, pyroxenite, and granite/ granodiorite gneiss were the lithologies encountered. A fault zone was encountered in some of the drillholes. Significant phosphate mineralization was intersected in drillholes AGR-04-238, AGR-04-239, AGR-04-245, AGR-05-247, and AGR-05-248.



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Figure 3
Exploration drill hole collar locations

Drawn:	Supervised:	Province: Ontario	NTS: 426/02 & 07
Date: October 2006	Revised:	Scale: 1:10,000	Drawing: 2006min with renewal

0m 1000m 2000m 3000m 4000m

5461200N

7.0 CONCLUSIONS

The drill program was successful in identifying phosphate mineralization and in partially delineating the western end of mineralization extending from the open pit. An interesting feature of this area is that the gneiss residuum overlies the carbonatite residuum due to the fault running northeast to southwest along the western side of the open pit. The drilling also indicated that silica content increases in the vicinity of this fault. Future exploration should consider the possibility that phosphate mineralization may underlie the gneiss residuum adjacent to fault zones.

8.0 REFERENCES

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Sage, R.P., 1988. Geology of Carbonatite-Alkalic Rock Complexes in Ontario: Cargill Township Carbonatite Complex, District of Cochrane. Ontario Geological Survey, Study 36, 92p.

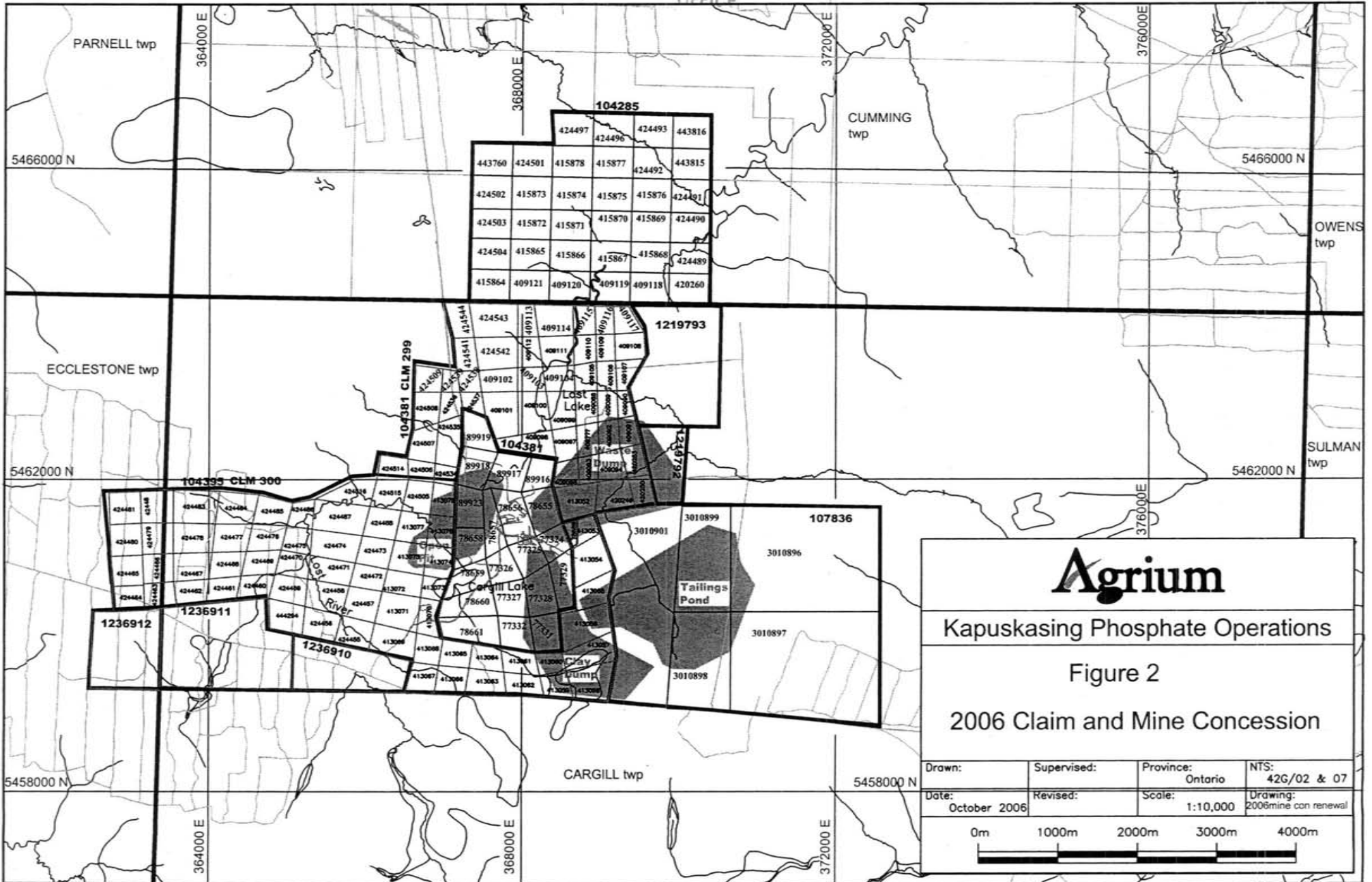
Schacht, B. and Tye, I., 1975. Interpretation Report of an Aeromagnetic Survey in Cargill and Cumming Township, Northern Ontario for International Minerals and Chemical Corp., Geotrex Limited, MNM Assessment File T-1731

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Figure 2

2006 Claim and Mine Concession

Drawn:	Supervised:	Province: Ontario	NTS: 42G/02 & 07
Date: October 2006	Revised:	Scale: 1:10,000	Drawing: 2006mine con renewal

0m 1000m 2000m 3000m 4000m

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APPENDIX A

DRILL LOGS

PART 1

AGR-04-238 to AGR-04-246

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**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461560.29
Easting: 367156.22
Elevation: 196.54
Depth: 69.5m
Azimuth: 0
Dip: -90

Drillhole Attitude Tests: No

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	45.5	Carbonatite Residuum
45.5	69.5	Rauhaugite
69.5		End of Hole

Township: Cargill
Claim number: 89923
Drilling Contractor: Norex Drilling
Drilling Start Date: 11/3/2004
Drilling End Date: 11/6/2004
Core Size: HQ
Casing: No
Hole Cemented: No
Why drillhole terminated: In bedrock
Logged by: M. Stalker
Date Logged: 11/17/2004
Number of boxes: 9
Number of assays: 54
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

M. Stalker

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Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-238

North 5461560.29

East 367156.217

Elevation 196.544

Proposed Depth

Actual Depth 69.5

Number of Boxes 9

Start Date 11/3/2004

End Date 11/6/2004

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	3.5 m	3.5 m	720	BROWN SILT AND CEMENTED RESIDUUM PIECES (CARBONATITE RESIDUUM) -50% medium orange brown silt and 50% medium and rusty brown and dark brown cemented pieces (≤4cm) -pieces are hard and cemented by iron and minor phosphate/carbonate? -pieces are possibly weathered carbonatite but probably cemented brown silt residuum -may contain waste rock from pit workings -unformed and well formed core in pieces -lower contact in lost core	3 %
3.5 m	5.0 m	1.5 m	799	LOST CORE	0 %
5.0 m	6.5 m	1.5 m	720	BROWN CEMENTED RESIDUUM PIECES AND BROWN SILT (CARBONATITE RESIDUUM) -similar to 0-3.5m but with 65% cemented pieces and 35% silt, pieces ≤6cm, and pieces contain minor magnetite grains (≤2mm) -lower contact in lost core	7 %
6.5 m	8.0 m	1.5 m	720	BROWN SILT AND COMMON CEMENTED PIECES (CARBONATITE RESIDUUM) -85% medium to dark brown silt overall that consists of tan to orange and dark brown silt that is slightly greenish and may have some weathered pyroxenite content -15% cemented silt pieces (≤2cm) of similar colour and texture to silt, possibly cemented by carbonate or phosphate -pieces are possibly weathered carbonatite or pyroxenite fragments but probably cemented silt -unformed core -lower contact in lost core	17 %

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Kapuskasing Phosphate Operation

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Elevation 196.544

Proposed Depth

Actual Depth 69.5

Number of Boxes 9

Start Date 11/3/2004

End Date 11/6/2004

From	To	Length	Lithological Code	Description	% Recovery
8.0 m	12.5 m	4.5 m	720	CEMENTED SILT PIECES AND MINOR BROWN SILT (CARBONATITE RESIDUUM) -medium red orange brown, tan, and cream cemented silt or possibly weathered carbonatite, locally looks pink red -abundant fine vugs giving a pumice like texture -common clear elongated apatite crystals -cemented by phosphate/carbonate/iron? -15% medium to dark brown silt especially found locally -pieces mainly 5-10cm but with some smaller pieces -well formed and unformed core -lower contact in lost core	8 %
12.5 m	14.0 m	1.5 m	720	BROWN SILT (CARBONATITE RESIDUUM) -medium to dark brown silt and minor tan to orange silt in patches -unformed core -lower contact in lost core	23 %
14.0 m	15.5 m	1.5 m	720	ORANGE AND BROWN SILT AND MINOR CEMENTED PIECES (CARBONATITE RESIDUUM) -orange to orange brown and medium to dark brown silt in patches -10% cemented silt pieces (≤ 2 cm) similar to those found at 8.0-12.5m -unformed core -lower contact in lost core	27 %
15.5 m	17.0 m	1.5 m	799	LOST CORE	0 %

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End Date 11/6/2004

From	To	Length	Lithological Code	Description	% Recovery
17.0 m	26.0 m	9.0 m	720	BROWN AND ORANGE SILT AND MINOR LOCAL CEMENTED PIECES (CARBONATITE RESIDUUM) -medium to dark chocolate brown silt and orange to tan orange silt and common clay -5% tan to orange and rusty brown cemented residuum pieces (≤4cm) found between 21.5-23m -unformed and minor poorly formed core -lower contact lost core 17.0-20.00 - chocolate brown silt with rare orange silt and clay, no cemented pieces observed 20.00-26.00 - mixture of orange and brown silt and minor orange clay	36 %
26.0 m	27.2 m	1.2 m	720	BROWN SILT AND CEMENTED RESIDUUM PIECES (CARBONATITE RESIDUUM) -70% medium to dark brown and minor tan to orange silt -30% orange, medium brown, and rusty brown cemented pieces (≤4cm) found throughout, possibly weathered carbonatite -unformed core -lower contact chosen at start of solid core piece at 70° to CA but may be in lost core section	25 %
27.2 m	41.0 m	13.8 m	720	CEMENTED RESIDUUM/WEATHERED CARBONATITE PIECES AND MINOR BROWN AND ORANGE SILT -85% pieces that are either dark tan grey, fine grained, and cherty looking; or pinkish orange and dark brown speckled with dark brown to black filled fractures and patches with local disseminated magnetite grains (≤0.5cm) -common crystal filled vugs -difficult to distinguish whether unit is cemented residuum or weathered carbonatite but probably mostly cemented with weathered carbonatite pieces and fragments in a cemented residuum matrix -15% medium to dark brown and tan orange silt -local banding at 0-20° and at 60° to CA -pieces ≤18cm, locally solid core sections but mainly broken core -especially rich in silt at 30.0-30.7m, 34.1-38.0m, and 38.5-40.3m -well formed pieces and minor unformed core -lower contact in lost core	17 %

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From	To	Length	Lithological Code	Description	% Recovery
41.0 m	44.0 m	3.0 m	720	ORANGE AND COMMON DARK BROWN SILT (CARBONATITE RESIDUUM) -orange to orange brown silt with common medium and dark brown silt found only from 41.0-42.5m -unformed and minor poorly formed core -lower contact in lost core	17 %
44.0 m	45.5 m	1.5 m	720	BROWN SILT AND CEMENTED RESIDUUM/ WEATHERED CARBONATITE PIECES -similar to 26.0-27.2m but with 50% silt and 50% pieces -pieces are ≤5cm, vuggy, with common apatite grains -unformed core -lower contact at start of solid core at 75° to CA	13 %

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Kapuskasing Phosphate Operation

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East 367156.217

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Proposed Depth

Actual Depth 69.5

Number of Boxes 9

From	To	Length	Lithological Code	Description	% Recovery
45.5 m	69.5 m	24.0 m	710	RAUHAUGITE -pinkish cream tan almost translucent looking -fine grained but with minor fine grained to coarse grained vugs, soft -rare medium blue green or rusty brown disseminated bands of coarse grained mineral (mica/clinochlore and iron oxide?) -strongly fractured but less so and fresher than typical rauhaugite -locally well banded at 20-60° to CA but especially at 30-60° to CA -rare thin discontinuous white carbonate stringers -probably rauhaugite but appears so fresh in sections that it is possibly a calcite rich member of carbonatite -well formed core 45.5-54.2 -very fresh rauhaugite in solid core sections 48.5-48.7 -10cm medium blue grey green discontinuous wispy band of mica/clinochlore 51.3-52.0 -Carbonatite (Sovite) Dike -light grey translucent fresher looking carbonatite with common pink coarse grained bands containing common disseminated (within the bands) grains of magnetite (≤3mm) -with < 0.5cm bands of pyrite and iron oxide near upper contact, minor blebs of pyrite locally -appears to be a dike as upper contact is sharp but may be a weathering contact and just fresher rauhaugite, dike may be another carbonatite (looks similar to sovite) or a later rauhaugite -contacts sharp at 45° to CA 53.7-54.2 -gradually becomes more strongly weathered downhole from weak to strong -dark brown dendritic pattern along fractures -lower contact in broken core at approximately 60° to CA 54.2-54.6 -medium and dark brown and orange and orange tan silt -unformed core -lower contact in lost core 54.6-55.2 -Weathered Pyroxenite/Carbonatite to Brown Silt	68 %

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Kapuskasing Phosphate Operation

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East 367156.217

End Date 11/6/2004

Elevation 196.544

Proposed Depth

Actual Depth 69.5

Number of Boxes 9

From	To	Length	Lithological Code	Description	% Recovery
				-medium brown silt and clay and dark blue grey, fine grained, slightly harder pieces as less weathered fragments -colours indicate probably weathered pyroxenite but possibly weathered carbonatite -banded at 30° to CA -well formed solid core section but weak and crumbles to silt and clay -upper contact in lost core, lower contact at 35° to CA 55.2-69.5 -stronger weathering and more highly fractured than rest of unit but with fresher sections -with minor local brown silt at 55.5-55.6m, 60.5-60.7m, 61.5-62.0m, 68.0-68.3m, 68.5-69.1m -possible weathered pyroxenite locally 66.0-67.5 - 3% coarse grained (≤1cm) magnetite disseminated in rough bands at 25° to CA	
69.5				END OF HOLE	%



Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-238

North 5461560.29
East 367156.217
Elevation 196.544

Start Date 11/3/2004
End Date 11/6/2004

Proposed Depth
Actual Depth 69.5
Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161251	0.00	3.50	3.50	24.03	34.60	0.44	0.40	3.12	31.73	0.17	0.283	Brown Silt and Cemented Residuuum Pieces (Carbonatite Residuuum)
A161252	5.00	6.50	1.50	17.78	42.06	0.42	0.53	9.66	21.78	0.25	0.282	Brown Cemented Residuuum Pieces and Brown Silt (Carbonatite Residuuum)
A161253	6.50	8.00	1.50	24.17	20.04	0.43	0.21	11.03	31.02	0.07	0.205	Brown Silt and Common Cemented Pieces (Carbonatite Residuuum)
A161254	8.00	9.50	1.50	37.02	6.69	0.32	0.12	1.43	48.77	0.05	0.068	Cemented Silt Pieces and Minor Brown Silt (Carbonatite Residuuum)
A161255	9.50	11.00	1.50	38.35	3.55	0.30	0.11	1.31	50.22	0.06	0.03	Cemented Silt Pieces and Minor Brown Silt (Carbonatite Residuuum)
A161256	11.00	12.50	1.50	36.79	4.33	0.32	0.11	3.27	48.89	0.06	0.084	Cemented Silt Pieces and Minor Brown Silt (Carbonatite Residuuum)
A161257	12.50	14.00	1.50	27.69	22.79	0.51	0.34	2.92	36.15	0.15	1.8	Brown Silt (Carbonatite Residuuum)
A161258	14.00	15.50	1.50	27.62	23.82	0.50	0.24	2.55	36.87	0.10	1.09	Orange and Brown Silt and Minor Cemented Pieces (Carbonatite Residuuum)
A161259	17.00	18.50	1.50	26.04	22.04	0.53	0.27	5.80	34.06	0.08	0.265	Brown Silt (Carbonatite Residuuum)
A161260	18.50	20.00	1.50	27.63	19.96	0.52	0.21	3.75	36.26	0.07	0.145	Brown Silt and Orange Silt and Clay (Carbonatite Residuuum)
A161261	20.00	21.50	1.50	19.18	34.06	0.59	0.24	4.45	25.46	0.08	0.298	Brown Silt and Orange Clay and Silt and Minor Cemented Pieces (Carbonatite Residuuum)
A161262	21.50	23.00	1.50	27.08	20.56	0.49	0.22	2.60	37.85	0.06	0.577	Brown Silt and Orange Silt and Clay (Carbonatite Residuuum)
A161263	23.00	24.50	1.50	29.33	19.90	0.50	0.33	1.78	39.61	0.18	0.82	Brown Silt and Orange Silt and Clay (Carbonatite Residuuum)
A161264	24.50	25.25	0.75	27.33	24.84	0.55	0.35	1.31	36.49	0.16	1.65	Brown Silt and Orange Silt and Clay (Carbonatite Residuuum)
A161265	25.25	26.00	0.75	23.08	30.78	0.60	0.33	1.45	30.47	0.19	2.46	Brown Silt and Orange Silt and Clay (Carbonatite Residuuum)
A161266	26.00	27.20	1.20	28.44	18.77	0.50	0.29	2.51	37.88	0.09	2.1	Brown Silt and Cemented Residuuum Pieces (Carbonatite Residuuum)
A161267	27.20	29.00	1.80	33.26	10.06	0.42	0.14	1.36	46.41	0.05	0.337	Cemented Residuuum/Weathered Carbonatite Pieces and Minor Silt
A161268	29.00	32.00	3.00	33.23	9.34	0.41	0.17	1.08	45.57	0.06	0.59	Cemented Residuuum/Weathered Carbonatite Pieces and Common Brown and Orange Silt
A161269	32.00	33.50	1.50	29.01	20.66	0.48	0.17	1.17	39.95	0.09	2.34	Cemented Residuuum/Weathered Carbonatite Pieces and Minor Silt
A161270	33.50	35.00	1.50	32.92	13.26	0.42	0.22	0.71	45.96	0.13	5.48	Cemented Residuuum/Weathered Carbonatite Pieces, and Brown and Orange Silt
A161271	35.00	38.00	3.00	34.02	9.08	0.43	0.16	1.74	47.67	0.06	1.03	Cemented Residuuum/Weathered Carbonatite Pieces and Common Brown and Orange Silt
A161272	38.00	39.50	1.50	34.96	7.90	0.41	0.13	1.30	49.59	0.04	0.294	Cemented Residuuum/Weathered Carbonatite Pieces and Minor Silt

Monday, October 30, 2006

AGR-04-238

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Exploration Drilling

Drill Hole ID
AGR-04-238

North 5461560.29

Start Date 11/3/2004

East 367156.217

End Date 11/6/2004

Elevation 196.544

Proposed Depth

Actual Depth 69.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161273	39.50	41.00	1.50	35.57	6.20	0.43	0.44	1.47	49.77	0.10	0.096	Cemented Residuum/Weathered Carbonatite Pieces, and Brown and Orange Silt
A161274	41.00	42.50	1.50	27.22	21.58	0.57	0.29	4.54	35.90	0.07	0.27	Orange and Dark Brown Silt (Carbonatite Residuum)
A161275	42.50	44.00	1.50	26.10	24.73	0.58	0.20	2.84	34.68	0.06	0.131	Orange Silt (Carbonatite Residuum)
A161276	44.00	45.50	1.50	14.87	12.02	0.65	0.08	30.23	25.46	0.05	0.099	Brown Silt and Cemented Residuum/Weathered Carbonatite
A161277	45.50	46.25	0.75	3.21	3.72	16.33	0.08	1.22	34.62	0.04	0.136	Rauhaugite
A161278	46.25	47.00	0.75	3.72	3.47	16.43	0.08	1.10	34.60	0.04	0.137	Rauhaugite
A161279	47.00	47.75	0.75	2.96	3.32	16.62	0.09	0.63	35.09	0.03	0.122	Rauhaugite
A161280	47.75	48.50	1.50	2.34	4.35	15.93	0.09	1.57	34.41	0.04	0.134	Rauhaugite
A161281	48.50	49.25	0.75	4.12	3.73	15.77	0.10	1.64	34.66	0.04	0.128	Rauhaugite
A161282	49.25	50.00	0.75	5.34	3.03	15.17	0.12	0.79	36.31	0.04	0.108	Rauhaugite
A161283	50.00	50.75	0.75	5.30	3.56	15.51	0.10	0.87	35.45	0.04	0.123	Rauhaugite
A161284	50.75	51.30	0.55	6.45	4.35	14.74	0.14	1.81	34.89	0.04	0.394	Rauhaugite
A161285	51.30	52.00	0.70	7.46	4.37	14.49	0.13	1.52	34.64	0.04	1.07	Carbonatite Dike/Rauhaugite
A161286	52.00	53.00	1.00	4.27	3.57	15.85	0.12	1.31	34.89	0.04	0.152	Rauhaugite
A161287	53.00	53.70	0.70	7.10	2.88	14.34	0.10	0.81	37.11	0.04	0.121	Rauhaugite
A161288	53.70	54.20	0.50	7.28	8.89	9.06	0.17	3.88	36.46	0.04	0.098	Rauhaugite
A161289	54.20	54.60	0.40	3.06	22.62	8.68	5.22	29.06	8.18	0.89	0.226	Brown and Orange Silt (Carbonatite Residuum)
A161290	54.60	55.20	0.60	0.31	27.02	13.08	9.38	23.20	3.01	1.74	0.369	Weathered Pyroxenite/Carbonatite and Brown Silt
A161291	55.20	56.00	0.80	10.88	4.12	5.51	0.16	1.64	45.87	0.05	0.479	Rauhaugite
A161292	56.00	56.75	0.75	5.01	4.76	12.91	0.11	1.75	37.01	0.04	0.338	Rauhaugite
A161293	56.75	57.50	0.75	1.58	4.45	16.00	0.10	2.13	33.84	0.04	0.21	Rauhaugite
A161294	57.50	58.25	0.75	2.11	4.66	15.80	0.15	2.15	33.90	0.04	0.219	Rauhaugite

Monday, October 30, 2006

AGR-04-238

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-238

North 5461560.29
East 367156.217
Elevation 196.544

Start Date 11/3/2004
End Date 11/6/2004

Proposed Depth
Actual Depth 69.5
Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161295	58.25	59.00	0.75	4.72	3.50	15.44	0.10	1.23	35.49	0.04	0.17	Rauhaugite
A161296	59.00	59.75	0.75	4.35	3.53	15.26	0.10	1.27	35.76	0.04	0.407	Rauhaugite
A161297	59.75	60.50	0.75	4.75	3.78	12.44	0.11	1.30	38.69	0.04	0.142	Rauhaugite
A161298	60.50	62.00	1.50	5.23	3.70	10.07	0.20	1.92	40.90	0.05	0.278	Rauhaugite
A161299	62.00	63.50	1.50	5.75	3.77	9.10	0.17	1.96	41.81	0.05	0.235	Rauhaugite
A161300	63.50	65.00	1.50	4.58	4.56	13.52	0.22	1.19	36.91	0.07	1.64	Rauhaugite
A161301	65.00	66.50	1.50	3.28	5.04	15.54	0.15	0.59	35.09	0.08	5.19	Rauhaugite
A161302	66.50	68.00	1.50	4.04	6.26	14.07	0.19	0.83	35.46	0.10	10.6	Rauhaugite
A161303	68.00	68.75	0.75	10.30	5.32	9.94	0.42	1.72	39.12	0.10	2.55	Rauhaugite
A161304	68.75	69.50	0.75	5.87	4.27	12.51	0.21	0.85	37.93	0.06	1.88	Rauhaugite

Northing: 5461499.20
Easting: 367120.68
Elevation: 195.96
Depth: 78.5m
Azimuth: 0
Dip: -90

Drillhole Attitude Tests: No

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	53.0	Carbonatite Residium
53.0	78.5	Rauhaugite
78.5		End of Hole

Township: Cargill
Claim number: P413076/104395/CLM300
Drilling Contractor: Norex Drilling
Drilling Start Date: 11/6/2004
Drilling End Date: 11/7/2004
Core Size: HQ
Casing: No
Hole Cemented: No
Why drillhole terminated: In bedrock
Logged by: M. Stalker
Date Logged: 12/14/2004
Number of boxes: 10
Number of assays: 64
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

Mary to Stalker

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Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-239

North 5461499.2
East 367120.684
Elevation 195.959

Start Date 11/6/2004
End Date 11/7/2004

Proposed Depth
Actual Depth 78.5
Number of Boxes 10

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	3.5 m	3.5 m	799	LOST CORE	0 %
3.5 m	6.5 m	3.0 m	720	CEMENTED RESIDUUM PIECES -tan brown to medium brown and minor orange to orange brown, fine grained, mainly silicified cemented (silica and iron) residuum pieces (≤5cm) -minor dark grey patches (after Fe oxide?) -locally vuggy and softer but mainly strongly silicified -well formed core in pieces -lower contact in lost core	5 %
6.5 m	11.0 m	4.5 m	720	GREY SILT (RESIDUUM) -overall medium grey but ranges from light to dark grey silt -trace fine grained pyrite found locally -locally silt is vuggy and with bands as if altered and weathered in place (picture taken) -some contamination by orange silt -unformed to moderately formed core, mainly unformed -lower contact in lost core	30 %
11.0 m	12.5 m	1.5 m	720	ORANGE AND TAN SILT (RESIDUUM) -orange and cream tan to tan silt -poorly formed core -lower contact in lost core	33 %

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Kapuskasing Phosphate Operation

Exploration Drilling

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East 367120.684

Elevation 195.959

Proposed Depth

Actual Depth 78.5

Number of Boxes 10

Start Date 11/6/2004

End Date 11/7/2004

From	To	Length	Lithological Code	Description	% Recovery
12.5 m	23.0 m	10.5 m	720	CEMENTED RESIDUUM PIECES -medium tan brown to medium brown with cream fine grain speckles and common dark grey brown and brown grey iron rich vuggy patches and bands -with minor cream clay fragments (≤ 2 mm), pockets of orange silt, and rare fine (≤ 1 mm) iron oxide grains interlocked into cemented silt giving a fragmental look to core -rare orange to orange brown silt found locally -commonly moderately silicified -cement is iron and silica -commonly banded at 0-90° to CA and locally folded (picture taken) -well formed core in pieces (≤ 34 cm) -lower contact in lost core	24 %
23.0 m	26.0 m	3.0 m	720	TAN SILT AND CEMENTED RESIDUUM PIECES -approximately 60% tan silt and 40% cemented residuum pieces (≤ 6 cm) as in 12.5-23.0m and with common pieces of hardened tan silt -unformed core and well formed pieces -lower contact in lost core	10 %
26.0 m	36.0 m	10.0 m	720	CEMENTED RESIDUUM PIECES -as 12.5-23.0m -well formed pieces (≤ 21 cm) -lower contact in lost core -26.0-27.5 - common orange brown silt but may be contamination from unit above	27 %

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Proposed Depth

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End Date 11/7/2004

From	To	Length	Lithological Code	Description	% Recovery
36.0 m	36.5 m	0.5 m	720	TAN BROWN SILT (RESIDUUM) -tan brown to orange brown silt -poorly formed core -lower contact in lost core	30 %
36.5 m	38.0 m	1.5 m	720	TAN BROWN SILT AND CEMENTED RESIDUUM PIECES -approximately 50% tan brown silt and 50% cemented residuum pieces (≤ 4 cm) as in 12.5-23.0m that are changing to silt -poorly formed core with well formed pieces -lower contact in lost core	7 %
38.0 m	39.8 m	1.8 m	720	CEMENTED RESIDUUM PIECES -as 12.5-23.0m -well formed pieces (≤ 5 cm) -lower contact in lost core	17 %
39.8 m	44.0 m	4.2 m	720	BROWN SILT (RESIDUUM) -medium brown and common orange brown and tan brown silt commonly in rough bands at 50-60° to CA -rare coarse grained (≤ 0.5 cm) magnetite weathering to dark grey silt disseminated throughout -bands are similar to these found in cemented residuum pieces as in 12.5-23.0m -unformed to moderately formed core, mainly moderately formed -lower contact in lost core	27 %
44.0 m	45.5 m	1.5 m	720	CEMENTED RESIDUUM PIECES -as 12.5-23.0m -well formed pieces (≤ 4 cm) -lower contact in lost core	10 %

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Elevation 195.959

Proposed Depth

Actual Depth 78.5

Number of Boxes 10

Start Date 11/6/2004

End Date 11/7/2004

From	To	Length	Lithological Code	Description	% Recovery
45.5 m	49.0 m	3.5 m	720	BROWN SILT (RESIDUUM) -as 39.8-44.0m -lower contact in broken core at first cemented piece	53 %
49.0 m	53.0 m	4.0 m	720	BROWN SILT AND CEMENTED RESIDUUM PIECES -60% brown silt as in 39.8-44.0m and 40% cemented residuum pieces as in 12.5-23.0m -locally silt has minor purple red staining -pieces (≤9cm) are found especially in sections at 49.5-50.9m, 52.5-53.0m -unformed and moderately formed core with well formed pieces -sharp lower contact at 40° to CA (picture taken) that has been faulted at 35° to CA in the other direction with 0.5cm displacement	35 %
53.0 m	59.9 m	6.9 m	710	CARBONATITE (RAUHAUGITE) -cream to beige to light tan, fine to medium grained, soft, carbonatite (probably rauhaugite) with slightly sucroisic texture -0.5% coarse grained (≤1cm) magnetite disseminated in local sections or in rough bands at 35-60° to CA -unit is only weakly weathered and very fresh looking for rauhaugite, stronger weathering near top of unit -strongly fractured but not yet broken into pieces and most of unit is solid core, fractures may be slightly cemented -minor discontinuous white carbonate stringers -well formed core in pieces ≤38cm -lower contact in lost core 59.4-59.9 - more strongly weathered (to moderate) and locally fractured into pieces - 3% coarse grained magnetite (≤0.5cm) mainly disseminated in rough bands and starting to alter to mica	78 %

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Proposed Depth

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Number of Boxes 10

Start Date 11/6/2004

End Date 11/7/2004

From	To	Length	Lithological Code	Description	% Recovery
59.9 m	60.5 m	0.6 m	720	BROWN SILT AND CARBONATITE (RAUHAUGITE) PIECES -60% medium brown and orange brown silt near the top half of unit and light grey brown silt in lower half -40% carbonatite as in 53.0-59.9m in top half of unit and medium tan brown more strongly altered carbonatite or possibly cemented residuum in lower part -poorly and moderately formed core with well formed pieces (≤5cm) -lower contact in lost core	58 %
60.5 m	63.5 m	3.0 m	799	LOST CORE	0 %
63.5 m	66.7 m	3.2 m	710	WEATHERED CARBONATITE (RAUHAUGITE) -medium and dark brown with minor orange brown moderately to strongly weathered carbonatite -similar fracturing pattern and carbonate stringers as in 53.0-59.9m and solid core sections with similar size pieces and is probably the more strongly weathered equivalent -locally appears slightly cemented -well formed pieces ≤41cm -lower contact in lost core	30 %
66.7 m	67.0 m	0.3 m	720	BROWN SILT (RESIDUUM) -medium orange brown silt -unformed core -lower contact in lost core	33 %

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North 5461499.2

East 367120.684

Elevation 195.959

Proposed Depth

Actual Depth 78.5

Number of Boxes 10

Start Date 11/6/2004

End Date 11/7/2004

From	To	Length	Lithological Code	Description	% Recovery
67.0 m	78.5 m	11.5 m	710	CARBONATITE (RAUHAUGITE) -similar to 53.0-59.9m but slightly more weathered and stronger fracturing with local sections fractured into small pieces but mainly still solid core sections -well formed core in pieces ≤33cm	71 %
78.5				END OF HOLE	%

Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

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North 5461499.2
East 367120.684
Elevation 195.959

Start Date 11/6/2004
End Date 11/7/2004

Proposed Depth
Actual Depth 78.5
Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161867	3.50	5.00	1.50	21.44	13.93	0.35	0.68	25.98	29.42	0.09	0.243	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161868	5.00	6.50	1.50	32.19	6.72	0.30	1.01	9.16	44.54	0.08	0.147	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161869	6.50	8.00	1.50	34.06	13.45	0.07	2.52	2.37	32.43	0.14	0.153	Grey Silt (Carbonatite Residuuum)
A161870	8.00	9.50	1.50	36.22	9.02	0.06	3.38	1.80	37.00	0.07	0.098	Grey Silt (Carbonatite Residuuum)
A161871	9.50	11.00	1.50	37.16	6.73	0.07	2.77	2.08	41.36	0.06	0.037	Grey Silt (Carbonatite Residuuum)
A161872	11.00	12.50	1.50	37.81	4.08	0.06	3.98	2.81	43.28	0.06	0.03	Orange and Tan Silt (Carbonatite Residuuum)
A161873	12.50	14.00	1.50	35.04	11.30	0.18	0.62	0.90	45.34	0.05	0.066	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161874	14.00	15.50	1.50	26.85	14.40	0.21	0.28	14.58	34.90	0.05	0.027	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161875	15.50	17.00	1.50	23.29	29.67	0.25	0.35	7.12	30.16	0.05	1.89	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161876	17.00	18.50	1.50	18.87	33.18	0.27	0.22	11.64	24.56	0.04	0.205	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161877	18.50	20.00	1.50	23.93	21.53	0.22	0.30	14.05	30.83	0.06	0.099	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161878	20.00	21.50	1.50	31.96	15.29	0.23	0.33	2.23	43.34	0.06	11.9	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161879	21.50	23.00	1.50	30.43	17.24	0.21	0.67	4.86	39.53	0.06	0.36	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161880	23.00	24.50	1.50	35.37	8.76	0.15	2.01	1.35	46.85	0.08	0.039	Tan Silt and Cemented Residuuum Pieces (Carbonatite Residuuum)
A161881	24.50	26.00	1.50	28.51	23.52	0.22	0.85	1.25	39.46	0.08	5.72	Tan Silt and Cemented Residuuum Pieces (Carbonatite Residuuum)
A161882	26.00	27.50	1.50	29.15	21.73	0.22	0.68	1.72	41.04	0.07	18.7	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161883	27.50	29.00	1.50	20.51	38.28	0.28	0.33	5.05	28.72	0.05	0.206	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161884	29.00	30.50	1.50	6.54	22.23	0.15	0.11	48.36	8.15	0.04	0.13	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161885	30.50	32.00	1.50	9.37	16.63	0.17	0.15	49.34	12.53	0.04	2.6	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161886	32.00	33.50	1.50	11.68	11.60	0.18	0.13	50.16	15.84	0.04	1.34	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161887	33.50	35.00	1.50	20.97	11.34	0.23	0.13	29.44	29.50	0.04	0.083	Cemented Residuuum Pieces (Carbonatite Residuuum)
A161888	35.00	36.00	1.00	18.25	14.60	0.25	0.13	31.04	25.35	0.04	15.1	Cemented Residuuum Pieces (Carbonatite Residuuum)

Monday, October 30, 2006

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Kapuskasing Phosphate Operation Exploration Drilling

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North 5461499.2
East 367120.684
Elevation 195.959

Start Date 11/6/2004
End Date 11/7/2004

Proposed Depth
Actual Depth 78.5
Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161889	36.00	36.50	0.50	25.65	19.28	0.33	0.32	9.13	36.22	0.04	0.959	Tan Brown Silt (Carbonatite Residuum)
A161890	36.50	38.00	1.50	24.88	28.64	0.32	0.74	1.71	36.26	0.32	7.98	Tan Brown Silt and Cemented Residuum Pieces (Carbonatite Residuum)
A161891	38.00	39.50	1.50	22.49	9.19	0.29	0.28	28.48	30.77	0.05	0.098	Cemented Residuum Pieces (Carbonatite Residuum)
A161892	39.50	39.80	0.30	28.33	8.19	0.28	0.18	16.73	38.85	0.05	0.286	Cemented Residuum Pieces (Carbonatite Residuum)
A161893	39.80	41.00	1.20	24.83	26.39	0.38	0.28	2.08	34.08	0.08	1.42	Brown Silt (Carbonatite Residuum)
A161894	41.00	42.50	1.50	24.04	26.91	0.41	0.30	2.59	33.80	0.10	2.41	Brown Silt (Carbonatite Residuum)
A161895	42.50	44.00	1.50	28.58	18.08	0.41	0.29	2.90	41.08	0.04	0.117	Brown Silt (Carbonatite Residuum)
A161896	44.00	45.50	1.50	33.68	9.18	0.30	0.19	1.08	50.14	0.04	0.208	Cemented Residuum Pieces (Carbonatite Residuum)
A161897	45.50	47.00	1.50	30.35	16.31	0.45	0.49	1.60	43.47	0.16	3.64	Brown Silt (Carbonatite Residuum)
A161898	47.00	47.75	0.75	29.66	17.30	0.56	0.46	1.36	42.93	0.09	0.507	Brown Silt (Carbonatite Residuum)
A161899	47.75	48.50	0.75	28.10	19.19	0.58	0.40	1.46	40.48	0.04	0.112	Brown Silt (Carbonatite Residuum)
A161900	48.50	49.00	0.50	11.91	7.16	1.40	0.24	1.04	50.14	0.04	0.071	Brown Silt (Carbonatite Residuum)
A161901	49.00	50.00	1.00	8.67	4.60	1.45	0.22	0.97	52.44	0.04	0.059	Brown Silt and Cemented Residuum Pieces (Carbonatite Residuum)
A161902	50.00	51.50	1.50	6.77	5.04	2.13	0.21	0.92	51.64	0.03	0.029	Brown Silt and Cemented Residuum Pieces (Carbonatite Residuum)
A161903	51.50	53.00	1.50	28.44	11.59	0.94	1.10	3.24	45.04	0.19	0.06	Brown Silt and Cemented Residuum Pieces (Carbonatite Residuum)
A161904	53.00	53.75	0.75	5.42	3.47	12.73	0.29	1.19	40.45	0.05	0.063	Carbonatite (Rauhaugite)
A161905	53.75	54.50	0.75	4.83	3.37	13.30	0.17	1.00	40.42	0.04	0.072	Carbonatite (Rauhaugite)
A161906	54.50	55.25	0.75	4.94	3.78	15.24	0.15	0.47	38.21	0.03	0.067	Carbonatite (Rauhaugite)
A161907	55.25	56.00	0.75	4.74	3.10	16.21	0.15	0.62	37.62	0.03	0.068	Carbonatite (Rauhaugite)
A161908	56.00	56.75	0.75	3.22	2.95	17.19	0.12	0.56	37.03	0.03	0.208	Carbonatite (Rauhaugite)
A161909	56.75	57.50	0.75	3.93	2.96	16.70	0.12	0.49	37.47	0.04	0.592	Carbonatite (Rauhaugite)
A161910	57.50	58.25	0.75	4.64	3.90	15.75	0.15	0.67	37.58	0.05	1.04	Carbonatite (Rauhaugite)

Monday, October 30, 2006

AGR-04-239

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Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Drill Hole ID
AGR-04-239

North 5461499.2

East 367120.684

Elevation 195.959

Proposed Depth

Actual Depth 78.5

Number of Boxes 0

Start Date 11/6/2004

End Date 11/7/2004

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161911	58.25	59.00	0.75	4.59	3.45	15.89	0.21	0.99	37.13	0.05	0.464	Carbonatite (Rauhaugite)
A161912	59.00	59.90	0.90	6.72	5.96	14.56	0.20	0.84	37.06	0.08	4.16	Carbonatite (Rauhaugite)
A161913	59.90	60.20	0.30	10.80	7.39	11.94	0.27	0.99	38.04	0.10	3.17	Brown Silt and Carbonatite (Rauhaugite) Pieces
A161914	60.20	60.50	0.30	6.95	3.94	13.82	0.21	0.73	39.13	0.04	0.197	Brown Silt and Carbonatite (Rauhaugite) Pieces
A161915	63.50	65.00	1.50	17.03	4.36	7.19	0.31	1.00	45.46	0.03	0.042	Weathered Carbonatite (Rauhaugite)
A161916	65.00	66.70	1.70	7.35	4.20	6.53	0.21	0.81	47.56	0.03	0.022	Weathered Carbonatite (Rauhaugite)
A161917	66.70	67.00	0.30	26.13	9.90	3.23	0.37	1.54	44.72	0.04	0.122	Brown Silt (Carbonatite Residuum)
A161918	67.00	68.00	1.00	4.43	3.44	9.82	0.12	0.40	28.98	0.03	0.04	Carbonatite (Rauhaugite)
A161919	68.00	69.50	1.50	3.86	6.00	14.57	0.18	0.57	35.42	0.03	0.052	Carbonatite (Rauhaugite)
A161920	69.50	70.25	0.75	3.63	6.02	15.66	0.14	0.70	34.01	0.03	0.059	Carbonatite (Rauhaugite)
A161921	70.25	71.00	0.75	3.04	4.56	14.83	0.15	0.53	37.16	0.03	0.044	Carbonatite (Rauhaugite)
A161922	71.00	71.75	0.75	4.03	2.65	10.92	0.09	0.31	28.65	0.03	0.047	Carbonatite (Rauhaugite)
A161923	71.75	72.50	0.75	6.04	2.76	15.40	0.20	0.50	38.29	0.03	0.051	Carbonatite (Rauhaugite)
A161924	72.50	73.25	0.75	5.14	4.32	15.40	0.15	0.53	35.14	0.03	0.06	Carbonatite (Rauhaugite)
A161925	73.25	74.00	0.75	3.55	2.60	11.65	0.09	0.28	28.64	0.03	0.112	Carbonatite (Rauhaugite)
A161926	74.00	74.75	0.75	5.12	3.61	16.18	0.18	0.63	36.94	0.06	0.162	Carbonatite (Rauhaugite)
A161927	74.75	75.50	0.75	5.61	3.16	15.72	0.17	0.56	36.28	0.04	0.309	Carbonatite (Rauhaugite)
A161928	75.50	77.00	1.50	4.54	3.38	11.37	0.11	0.30	27.78	0.06	3.39	Carbonatite (Rauhaugite)
A161929	77.00	77.75	0.75	4.45	4.03	16.29	0.14	0.42	36.52	0.07	4.42	Carbonatite (Rauhaugite)
A161930	77.75	78.50	0.75	6.02	5.82	14.33	0.20	0.64	35.49	0.09	7.21	Carbonatite (Rauhaugite)

**Kapuskasing Phosphate Operation
Exploration Drilling**

SUMMARY LOG

Northing: 5461527.4
Easting: 366987.9
Elevation: 227.7
Depth: 150.5
Azimuth: 0
Dip: -90

Drillhole Attitude Tests: No

Township: Cargill
Claim number: P413076/104395/CLM300
Drilling Contractor: Norex Drilling
Drilling Start Date: 11/8/2004
Drilling End Date: 11/16/2004
Core Size: HQ
Casing: No
Hole Cemented: No
Why drillhole terminated: Safety concerns, crack/slump in pit floor near drill
Logged by: M. Stalker
Date Logged: 11/23/2004
Number of boxes: 25
Number of assays: 125
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	5.0	Lost Core
5.0	14.5	Till
14.5	16.0	Pyroxenite Residuum
16.0	150.5	Gneiss Residuum
		87.7-91.2 - Weathered Dike
		128.0-129.7 - Weathered Pyroxenite Dike
		136.3-140.2 - Weathered Pyroxenite Dike
150.5		End of Hole

M. Stalker

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-240

North 5461527.4

East 366987.9

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

Start Date 11/8/2004

End Date 11/16/2004

From	To	Length	Lithological Code	Description	% Recovery
0.0	5.0	5.0	799	LOST CORE	0 %
5.0	6.5	1.5	717	SAND WITH PEBBLES (TILL) -brown sugar coloured fine sand with 15% heterogenous boulders (≤ 2.5 cm) found especially towards lower contact -may be sandy till or may be pit workings since the hole was drilled on a built up ramp -unformed core -lower contact in lost core	10 %
6.5 m	9.5 m	3.0 m	717	BOULDERS (TILL) -1-23cm heterogenous subround to angular boulders without silt or clay -lower contact in lost core	13 %
9.5	14.5	5.0	717	BOULDER (TILL) -light to medium greenish grey brown silty clay with 20% heterogenous subround to angular boulders (≤ 30 cm) -moderately to well formed core with minor unformed core near top of unit -lower contact in lost core 9.5-10.2 - mainly boulders with light greenish brown clayey sandy silt	73 %

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

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North 5461527.4

East 366987.9

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

Start Date 11/8/2004

End Date 11/16/2004

From	To	Length	Lithological Code	Description	% Recovery
14.5 m	16.0 m	1.5 m	720	GREEN TAN, BROWN AND TEAL CLAY AND SILT (PYROXENITE/CARBONATITE RESIDUUM) -yellow green to yellow tan, medium rusty brown, and minor dark teal, dark grey green, and dark brown silt and clay -teal material appears to be weathered clinochlore (≤ 2 cm), and locally with shiny clay that may be altered mica -rare dark purple red iron oxide grains (≤ 1 cm) found in patches or disseminated over small sections -probably pyroxenite residuum and possibly carbonatite residuum and not gneiss residuum as found below -moderately formed core -lower contact sharp at 75° to CA	87 %

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-240

North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

From	To	Length	Lithological Code	Description	% Recovery
16.0	54.5	38.5	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -mixture of hard weathered gneiss fragments and sand, silt, and clay -well banded at 50-80° to CA -approximately 60% cream and green sections with common pink and minor orange and black with 5% dark green to grey mica flakes (≤2mm) in bands -approximately 40% orange, orange brown, pink, and tan with minor cream and green with 2% dark green to grey mica flakes -gradational between two types and a lot of variety throughout -minor bands of light beige green clay especially in orange pink sections -large pieces commonly crumble to silt but with larger pieces of moderately to strongly weathered gneiss (≤3cm) -locally well preserved gneissic and granitic textures -unformed to well formed core but mainly unformed and poorly formed -lower contact in lost core 16.0-25.8 - cream and green coloured section 25.8-28.1 - orange and pink coloured section 28.1-35.8 - green and cream coloured section 35.8-44.1 - orange, cream, medium to dark grey, and pink coloured section 37.0-37.4 - common green beige clay and mainly orange to tan silt, possible dike?, contacts in lost core 38.9-39.2 - common orange clay and silt, possible dike? 44.1-52.0 - medium yellow green, dark green, cream, and common brick red to pink coloured section - granitic texture commonly observed 52.0-54.5 - orange brown and brick red coloured section	59 %

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

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North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

From	To	Length	Lithological Code	Description	% Recovery
54.5	57.5	3.0	799	LOST CORE	0 %
57.5 m	69.5 m	12.0 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 16.0-54.5m -mainly brick red grading locally to pink, medium to dark tan, and orange brown silt, sand, clay, and gneiss fragments with minor green and cream silt and rare black silt (after iron oxide grains? (≤ 3 mm)) -with common hard gneiss remanents ≤ 2 cm but mainly < 0.5 cm -unformed to moderately formed core, mainly poorly formed -lower contact in lost core 65.0-65.2 - section with abundant yellow green silt	20 %
69.5 m	71.0 m	1.5 m	799	LOST CORE	0 %
71.0 m	77.0 m	6.0 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -same as 57.5-69.5m -lower contact in lost core 72.1-72.2 - abundant bright moss to lime green clay 73.0-73.7 - common bright yellow green silt 74.0-74.5 - minor bright yellow green silt	56 %

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

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North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

From	To	Length	Lithological Code	Description	% Recovery
77.0 m	81.5 m	4.5 m	799	LOST CORE	0 %
81.5 m	87.7 m	6.2 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 57.5-69.5m but overall medium orange brown to tan made up of pink to brick red, light to dark tan, and minor light yellow green and orange brown -unit becomes lighter to tan to tan brown downhole and with higher clay content but still minor -does not look like typical gneiss residuum but may be more felsic than average -colour change and stronger weathering may be due to alteration from dike below -unformed to moderately formed core, mainly moderately formed -lower contact sharp at 35° to CA	63 %

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-240

North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

From	To	Length	Lithological Code	Description	% Recovery
87.7 m	91.2 m	3.5 m	712	<p>WEATHERED DIKE</p> <ul style="list-style-type: none">-75% medium to dark tan to light brown to beige, soft (easily scratched by fingernail), fine grained, fractured solid core sections-25% light to medium brown silty clay-rusty brown and dark brown material probably in original fractures-probably a pyroxenite or carbonatite dike or another type of dike within gneiss residuum but may be an unusual section of weathered gneiss, upper contact appears intrusive-similar in colour and fracturing to weathered rauhaugite but texture is different and with local wispy fractures unlike rauhaugite-may be some contamination from surrounding gneiss residuum since it is loose and crumbly-appears to be rare xenoliths of granite/granodiorite gneiss residuum especially near upper contact-unformed to well formed core, mainly well formed with pieces (≤ 18cm)-lower contact in lost and broken core at last piece of solid core dike but includes some gneiss residuum	76 %
91.2 m	120.5 m	29.3 m	720	<p>GRANITE/GRANODIORITE GNEISS RESIDUUM</p> <ul style="list-style-type: none">-similar to 57.5-69.5m but in sections as described and granite/granodiorite gneiss remnants are larger and more common locally-unformed to well formed core, mainly unformed and common well formed91.2-99.5 - tan, pink orange, and cream coloured gneiss residuum, very crumbly and mainly unformed but with hardened pieces (≤ 13cm) at 96.5-96.8m<ul style="list-style-type: none">- colour change and stronger weathering may be due to alteration from dike above99.5-120.5 - a mix of colours with cream, orange, tan, pink, and green with minor dark grey and bronze mica flakes (≤ 2mm)<ul style="list-style-type: none">- mainly coarse grained to very coarse grained and with common well preserved granitic and gneissic textures and common remnants- green is medium to bright lime to mossy green	54 %

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-240

North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

From	To	Length	Lithological Code	Description	% Recovery
120.5 m	122.0 m	1.5 m	799	LOST CORE	0 %
122.0 m	128.0 m	6.0 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 91.2-99.5m -may be altered by intrusion of dike below with similar colour and texture to gneiss residuum found surrounding dike at 87.7-91.2m -unformed to moderately formed core, mainly unformed -lower contact in lost core	41 %
128.0 m	129.7 m	1.7 m	712	WEATHERED PYROXENITE DIKE -medium to dark green grey brown, soft, fine to medium grained, solid core pieces (≤ 9 cm) of dike -moderately magnetic throughout -appears to be a pyroxenite dike but possibly another type of ultramafic dike with rare linear texture after coarse grained pyroxenes? -possibly a carbonatite dike -common gneiss residuum which appears to be contamination but may make up most of unit (poor recovery) -well formed core -lower contact at 30° to CA	26 %

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-240

North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 25

From	To	Length	Lithological Code	Description	% Recovery
129.7 m	136.3 m	6.6 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 91.2-99.5m but with minor dark green component -unformed to moderately formed but mainly unformed -lower contact in broken core 131.0-131.5 - with common pieces of material as at 128.0-129.7m and common purplish pink clay - may be contamination but probably a thin pyroxenite dike that is present in jumbled pieces (≤2.5cm) @132.5 - block missing but run appears to finish at end of box 21	27 %
136.3 m	140.2 m	3.9 m	720	WEATHERED PYROXENITE DIKE AND BROWN SILT -similar to 128.0-129.7m but with 10% granite/granodiorite gneiss residuum xenoliths in sections or as minor fragments (≤2cm), and in smaller pieces to medium to dark brown silt with only common solid pieces -unformed and well formed core -lower contact at 30° to CA but the internal contacts with gneiss xenoliths from 30-50° to CA	73 %
140.2 m	150.5 m	10.3 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -as 99.5-120.5m	54 %
150.5				END OF HOLE Drillhole was shut down early due to safety concerns about slumping clay near the drill and not due to drilling conditions.	%

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Drill Hole ID
AGR-04-240

North 5461527.4

East 366987.9

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 0

Start Date 11/8/2004

End Date 11/16/2004

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161305	14.50	15.50	1.00	2.59	24.72	2.60	6.05	42.32	6.36	4.47	1.52	Green Tan and Brown Silt and Clay (Pyroxenite/Carbonatite Residuum)
A161306	15.50	16.00	0.50	3.36	20.31	3.18	6.87	43.18	7.23	4.61	0.949	Green Tan and Brown Silt and Clay (Pyroxenite/Carbonatite Residuum)
A161307	16.00	16.50	0.50	0.63	7.44	2.06	14.87	53.56	2.86	0.67	0.135	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161308	16.50	17.00	0.50	0.32	7.33	2.26	15.52	53.42	2.11	0.66	0.142	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161309	17.00	17.75	0.75	0.38	7.29	1.96	15.99	53.81	2.41	0.65	0.135	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161310	17.75	18.50	0.75	0.31	5.94	1.86	16.40	55.74	2.42	0.57	0.12	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161311	18.50	19.25	0.75	0.33	8.96	2.41	15.04	50.50	2.55	0.73	0.175	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161312	19.25	20.00	0.75	0.25	7.09	1.95	15.75	54.38	2.60	0.61	0.161	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161313	20.00	20.75	0.75	0.30	7.79	2.26	15.73	51.49	2.56	0.68	0.152	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161314	20.75	21.50	0.75	0.25	7.47	2.18	15.33	54.27	2.37	0.61	0.148	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161315	21.50	22.25	0.75	0.35	7.94	2.70	15.78	49.96	2.62	0.87	0.16	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161316	22.25	23.00	0.75	0.14	3.99	1.38	17.46	57.15	3.18	0.39	0.108	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161317	23.00	23.75	0.75	0.22	5.35	1.84	16.92	54.70	2.95	0.54	0.141	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161318	23.75	24.50	0.75	0.19	5.95	1.91	15.61	58.30	1.91	0.73	0.137	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161319	24.50	25.25	0.75	0.33	7.85	2.63	15.45	52.90	2.72	0.71	0.165	Granite/Granodiorite Gneiss Residuum (Cream and Green)
A161320	25.25	26.00	0.75	0.19	5.27	1.94	16.30	56.51	1.99	0.51	0.139	Granite/Granodiorite Gneiss Residuum (Cream, Green, Orange, and Pink)
A161321	26.00	27.50	1.50	0.14	4.75	1.59	16.87	57.17	2.69	0.50	0.13	Granite/Granodiorite Gneiss Residuum (Orange and Pink)
A161322	27.50	28.25	0.75	0.31	8.16	2.22	15.29	51.72	2.98	0.66	0.185	Granite/Granodiorite Gneiss Residuum (Orange, Pink, Green, and Cream)
A161323	28.25	29.00	0.75	0.37	8.17	3.03	15.09	49.84	3.84	0.69	0.178	Granite/Granodiorite Gneiss Residuum (Green and Cream)
A161324	29.00	30.50	1.50	0.17	5.34	2.15	16.26	54.69	3.63	0.48	0.95	Granite/Granodiorite Gneiss Residuum (Green and Cream)
A161325	30.50	32.00	1.50	0.30	6.61	1.92	16.75	51.98	3.41	0.60	0.205	Granite/Granodiorite Gneiss Residuum (Green and Cream)
A161326	32.00	33.50	1.50	0.22	7.11	2.24	15.36	54.41	3.08	0.60	0.213	Granite/Granodiorite Gneiss Residuum (Green and Cream)

Monday, October 30, 2006

AGR-04-240

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-240

North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161327	33.50	35.00	1.50	0.06	6.03	1.73	15.95	57.10	3.27	0.46	0.186	Granite/Granodiorite Gneiss Residuum (Green and Cream)
A161328	35.00	36.50	1.50	0.05	4.15	1.36	16.30	60.68	2.62	0.41	0.156	Granite/Granodiorite Gneiss Residuum (Green, Cream, Orange, Grey, and Pink)
A161329	36.50	37.00	0.50	0.03	5.30	1.72	14.99	62.60	1.22	0.48	0.154	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161330	37.00	37.40	0.40	0.01	7.79	2.05	13.88	59.86	0.89	0.49	0.18	Orange Tan Silt and Green Beige Clay (Dike?)
A161331	37.40	38.00	0.60	0.10	4.79	1.43	14.18	64.67	1.10	0.40	0.145	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161332	38.00	38.75	0.75	0.32	3.36	0.98	15.02	64.79	2.13	0.34	0.14	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161333	38.75	39.50	0.75	0.03	8.56	1.96	14.23	56.62	1.49	0.50	0.165	Granite/Granodiorite Gneiss Residuum and Common Orange Clay and Silt (Dike?)
A161334	39.50	40.25	0.75	0.19	6.89	1.65	14.94	58.67	2.43	0.62	0.216	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161335	40.25	41.00	0.75	0.05	5.51	1.14	14.58	62.55	2.87	0.48	0.195	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161336	41.00	41.75	0.75	0.03	4.53	1.07	16.49	60.85	2.86	0.52	0.171	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161337	41.75	42.50	0.75	-0.01	3.23	0.73	14.74	68.72	2.68	0.34	0.134	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161338	42.50	44.00	1.50	0.10	7.66	1.02	15.08	58.94	2.56	0.43	0.186	Granite/Granodiorite Gneiss Residuum (Orange, Cream, Grey, and Pink)
A161339	44.00	44.75	0.75	0.04	8.09	1.96	16.91	49.08	3.71	0.67	0.159	Granite/Granodiorite Gneiss Residuum (Green, Cream, and Pink)
A161340	44.75	45.50	0.75	0.07	8.80	1.82	16.06	51.66	3.50	0.73	0.216	Granite/Granodiorite Gneiss Residuum (Green, Cream, and Pink)
A161341	45.50	47.00	1.50	0.07	10.95	3.04	15.05	45.19	4.89	0.80	0.331	Granite/Granodiorite Gneiss Residuum (Green, Cream, and Pink)
A161342	47.00	48.50	1.50	0.01	5.65	1.50	15.28	60.40	2.36	0.50	0.144	Granite/Granodiorite Gneiss Residuum (Green, Cream, and Pink)
A161343	48.50	50.00	1.50	0.12	2.93	0.90	15.27	66.41	2.26	0.37	0.118	Granite/Granodiorite Gneiss Residuum (Green, Cream, and Pink)
A161344	50.00	50.75	0.75	0.18	7.74	1.79	15.81	54.55	2.90	0.90	0.197	Granite/Granodiorite Gneiss Residuum (Green, Cream, and Pink)
A161345	50.75	51.50	0.75	0.08	8.35	1.57	15.37	54.54	2.88	0.74	0.194	Granite/Granodiorite Gneiss Residuum (Green, Cream, and Pink)
A161346	51.50	53.00	1.50	0.33	9.80	1.97	14.64	53.22	2.71	1.19	1.41	Granite/Granodiorite Gneiss Residuum (Green, Cream, Pink, and Orange)
A161347	53.00	54.50	1.50	0.09	8.70	1.99	13.57	57.46	1.56	0.62	0.422	Granite/Granodiorite Gneiss Residuum (Orange Brown and Brick Red)
A161348	57.50	59.00	1.50	0.08	5.37	2.02	13.99	62.53	1.02	0.41	0.153	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)

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Kapuskasing Phosphate Operation

Exploration Drilling

Drill Hole ID

AGR-04-240

North 5461527.4

East 366987.9

Start Date 11/8/2004

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161349	59.00	60.50	1.50	0.01	4.02	1.74	15.71	61.34	0.70	0.47	0.221	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161350	60.50	62.00	1.50	0.03	5.25	1.43	15.29	61.60	1.70	0.48	0.213	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161351	62.00	63.50	1.50	0.07	4.66	1.65	15.19	62.29	1.04	0.44	0.182	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161352	63.50	65.00	1.50	0.09	6.38	2.30	14.06	59.26	1.36	0.56	0.279	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161353	65.00	66.50	1.50	0.02	4.80	1.28	15.25	61.05	1.26	0.37	0.192	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161354	66.50	68.00	1.50	0.11	4.67	1.40	14.77	61.75	2.09	0.40	0.461	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161355	68.00	69.50	1.50	0.16	3.62	0.92	14.64	62.41	3.92	0.26	0.681	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161356	71.00	72.50	1.50	-0.01	4.23	1.45	14.15	64.11	1.42	0.27	0.449	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161357	72.50	74.00	1.50	0.09	8.71	1.95	14.56	55.50	1.82	0.62	0.797	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161358	74.00	75.50	1.50	0.03	3.72	1.27	15.03	63.64	1.63	0.36	0.16	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161359	75.50	76.25	0.75	-0.05	1.77	0.69	15.20	68.13	1.32	0.19	0.126	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161360	76.25	77.00	0.75	0.04	4.29	1.48	14.92	63.54	1.28	0.38	0.167	Granite/Granodiorite Gneiss Residuum (Red, Orange, Tan, Cream, and Green)
A161361	81.50	82.25	0.75	0.08	3.83	1.37	14.59	64.28	1.01	0.39	0.299	Granite/Granodiorite Gneiss Residuum (Brick Red and Tan)
A161362	82.25	83.00	0.75	0.03	3.43	1.29	14.75	65.30	0.73	0.38	0.144	Granite/Granodiorite Gneiss Residuum (Brick Red and Tan)
A161363	83.00	84.50	1.50	-0.01	4.43	1.56	14.93	62.42	0.73	0.44	0.107	Granite/Granodiorite Gneiss Residuum (Brick Red and Tan)
A161364	84.50	85.25	0.75	0.06	5.33	1.83	14.37	62.12	0.84	0.47	0.146	Granite/Granodiorite Gneiss Residuum (Brick Red and Tan)
A161365	85.25	86.00	0.75	0.01	5.53	1.43	14.45	62.04	0.63	0.39	0.1	Granite/Granodiorite Gneiss Residuum (Brick Red and Tan)
A161366	86.00	86.75	0.75	0.07	4.37	1.33	14.09	64.63	0.80	0.49	0.184	Granite/Granodiorite Gneiss Residuum (Brick Red and Tan)
A161367	86.75	87.70	0.95	0.10	5.07	1.36	14.18	63.10	0.88	0.69	0.466	Granite/Granodiorite Gneiss Residuum (Brick Red and Tan)
A161368	87.70	88.25	0.55	0.36	10.86	2.22	14.92	51.89	1.38	1.89	2.99	Weathered Dike
A161369	88.25	89.00	0.75	0.37	15.90	2.51	14.09	46.96	1.56	2.45	2.97	Weathered Dike
A161370	89.00	89.75	0.75	0.37	15.69	2.87	15.33	46.97	1.50	2.50	2.32	Weathered Dike

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Kapuskasing Phosphate Operation Exploration Drilling

Drill Hole ID
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North 5461527.4

East 366987.9

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 0

Start Date 11/8/2004

End Date 11/16/2004

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161371	89.75	90.50	0.75	0.44	15.91	2.96	14.42	45.94	1.77	2.50	2.34	Weathered Dike
A161372	90.50	91.20	0.70	0.40	13.29	2.36	14.57	49.33	1.50	1.92	8.05	Weathered Dike
A161373	91.20	92.00	0.80	0.03	4.24	0.95	16.12	62.10	0.90	0.40	0.465	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161374	92.00	92.75	0.75	0.03	6.49	2.06	15.38	57.73	0.94	0.56	0.136	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161375	92.75	93.50	0.75	0.01	6.23	2.00	15.76	57.52	0.89	0.56	0.163	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161376	93.50	95.00	1.50	0.03	3.37	1.39	15.69	64.61	1.03	0.35	0.098	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161377	95.00	96.50	1.50	0.09	4.44	1.60	15.10	61.51	1.91	0.45	0.848	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161378	96.50	97.25	0.75	0.02	4.97	1.79	15.22	61.99	1.04	0.47	0.173	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161379	97.25	98.00	0.75	-0.03	4.25	1.11	15.20	65.50	0.95	0.28	0.265	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161380	98.00	99.50	1.50	0.02	3.98	1.44	15.72	63.07	1.21	0.45	0.247	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, and Cream)
A161381	99.50	100.25	0.75	0.03	6.70	1.67	15.12	59.79	1.29	0.53	0.381	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161382	100.25	101.00	0.75	0.14	8.16	2.15	16.33	55.69	1.75	0.85	0.771	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161383	101.00	101.75	0.75	0.06	6.23	1.97	15.37	60.31	1.70	0.58	0.885	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161384	101.75	102.50	0.75	0.06	7.31	1.89	14.40	60.14	1.35	0.40	0.346	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161385	102.50	103.25	0.75	0.02	4.21	1.53	15.20	64.81	1.23	0.41	0.184	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161386	103.25	104.00	0.75	-0.02	3.29	1.55	15.81	65.42	1.17	0.38	0.143	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161387	104.00	104.75	0.75	-0.01	5.87	2.09	14.72	61.27	1.82	0.51	0.285	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161388	104.75	105.50	0.75	0.04	3.63	1.02	16.80	62.64	2.41	0.46	0.322	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161389	105.50	106.25	0.75	-0.03	2.39	0.77	15.31	68.30	1.89	0.31	0.228	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161390	106.25	107.00	0.75	0.02	4.41	1.39	15.34	63.92	1.93	0.44	0.158	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161391	107.00	107.75	0.75	0.06	3.62	1.18	15.63	63.52	2.06	0.37	0.165	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161392	107.75	108.50	0.75	0.07	4.63	1.39	16.45	60.13	2.19	0.42	0.201	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-240

North 5461527.4

Start Date 11/8/2004

East 366987.9

End Date 11/16/2004

Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161393	108.50	109.25	0.75	0.02	3.95	0.97	15.17	66.38	2.20	0.38	0.286	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161394	109.25	110.00	0.75	0.05	4.57	1.33	15.37	64.22	1.88	0.47	0.266	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161395	110.00	111.50	1.50	0.13	4.83	1.61	15.84	61.45	2.00	0.49	0.302	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161396	111.50	112.25	0.75	0.09	3.80	1.46	15.56	63.75	1.33	0.47	0.237	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161397	112.25	113.00	0.75	0.13	3.47	1.26	17.80	59.22	1.72	0.59	0.298	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161398	113.00	114.50	1.50	0.02	3.87	1.30	15.68	62.90	1.34	0.38	0.308	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161399	114.50	116.00	1.50	0.02	4.56	1.56	15.42	61.92	1.32	0.42	0.749	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161400	116.00	117.50	1.50	0.09	9.64	2.42	14.64	53.73	1.71	0.79	1.13	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161401	117.50	119.00	1.50	0.01	6.26	1.79	14.08	60.82	1.42	0.52	0.26	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161402	119.00	120.50	1.50	0.01	5.77	1.72	13.85	62.16	1.34	0.50	0.46	Granite/Granodiorite Gneiss Residuum (Cream, Orange, Tan, Pink, and Green)
A161403	122.00	122.75	0.75	0.01	4.11	1.34	14.77	64.33	1.18	0.41	0.568	Granite/Granodiorite Gneiss Residuum (Tan, Pink Orange, and Cream)
A161404	122.75	123.50	0.75	-0.02	4.38	1.72	15.90	61.04	1.50	0.41	0.354	Granite/Granodiorite Gneiss Residuum (Tan, Pink Orange, and Cream)
A161405	123.50	125.00	1.50	0.04	4.58	1.45	16.47	59.72	1.58	0.55	0.527	Granite/Granodiorite Gneiss Residuum (Tan, Pink Orange, and Cream)
A161406	125.00	126.50	1.50	0.02	3.70	1.32	15.03	64.32	1.37	0.43	0.409	Granite/Granodiorite Gneiss Residuum (Tan, Pink Orange, and Cream)
A161407	126.50	128.00	1.50	0.08	4.39	1.53	15.26	61.97	1.32	0.46	1.41	Granite/Granodiorite Gneiss Residuum (Tan, Pink Orange, and Cream)
A161408	128.00	129.70	1.70	0.27	16.44	3.21	12.47	48.10	1.64	1.82	4.89	Weathered Pyroxenite Dike
A161409	129.70	131.00	1.30	0.07	5.44	1.37	14.98	61.71	1.45	0.54	1.35	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, Cream, and Minor Green)
A161410	131.00	132.50	1.50	0.37	6.88	2.26	14.28	57.49	1.53	0.69	1.1	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, Cream, and Minor Green)
A161411	132.50	134.00	1.50	0.05	5.23	1.55	15.00	61.21	1.33	0.56	0.323	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, Cream, and Minor Green)
A161412	134.00	135.50	1.50	0.07	5.53	1.96	14.29	61.67	1.25	0.47	0.224	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, Cream, and Minor Green)
A161413	135.50	136.30	0.80	0.17	11.48	3.20	13.38	52.02	1.49	1.04	1.03	Granite/Granodiorite Gneiss Residuum (Tan, Pink, Orange, Cream, and Minor Green)
A161414	136.30	137.00	0.70	0.23	12.33	3.55	12.22	53.16	1.25	1.41	6.01	Weathered Pyroxenite Dike and Brown Silt

Monday, October 30, 2006

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Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Drill Hole ID
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North 5461527.4

Start Date 11/8/2004

East 366987.9

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Elevation 227.7

Proposed Depth

Actual Depth 150.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161415	137.00	137.75	0.75	0.44	15.04	5.01	12.80	47.61	1.46	2.74	12.4	Weathered Pyroxenite Dike and Brown Silt
A161416	137.75	138.50	0.75	0.47	13.85	3.25	14.26	48.30	1.73	2.09	5.73	Weathered Pyroxenite Dike and Brown Silt
A161417	138.50	139.25	0.75	0.43	15.15	3.39	13.66	45.95	1.90	2.02	7.85	Weathered Pyroxenite Dike and Brown Silt
A161418	139.25	140.20	0.95	0.74	12.17	4.87	12.46	49.28	1.88	1.33	9.99	Weathered Pyroxenite Dike and Brown Silt
A161419	140.20	140.75	0.55	0.17	8.93	2.90	13.69	55.55	1.37	0.72	0.979	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161420	140.75	141.50	0.75	0.28	7.27	2.50	14.41	57.51	1.55	0.68	0.765	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161421	141.50	142.25	0.75	0.06	6.32	2.08	14.38	60.29	1.35	0.61	0.708	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161422	142.25	143.00	0.75	0.09	7.40	2.62	14.46	56.95	1.39	0.64	0.919	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161423	143.00	144.50	1.50	0.28	7.19	2.68	15.36	54.19	1.79	0.65	0.305	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161424	144.50	146.00	1.50	0.18	6.19	2.18	15.34	56.70	1.72	0.56	0.239	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161425	146.00	146.75	0.75	0.05	5.27	2.07	15.13	59.73	1.35	0.46	0.348	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161426	146.75	147.50	0.75	0.09	5.31	1.97	15.11	59.30	1.42	0.46	0.326	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161427	147.50	149.00	1.50	0.05	7.52	1.99	14.73	57.56	2.15	0.71	0.307	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161428	149.00	149.75	0.75	0.03	7.65	2.16	13.99	58.16	2.02	0.65	0.41	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)
A161429	149.75	150.50	0.75	0.15	5.20	1.53	14.20	63.08	2.22	0.46	0.288	Granite/Granodiorite Gneiss Residuum (Tan, Orange, Brown, Cream, Pink, and Green)

**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461578.95
Easting: 367012.06
Elevation: 228.15
Depth: 176
Azimuth: 0
Dip: -90

Drillhole Attitude Tests: No

Township: Cargill
Claim number: P413078/104395/CLM300
Drilling Contractor: Norex Drilling
Drilling Start Date: 11/16/2004
Drilling End Date: 11/18/2004
Core Size: HQ
Casing: No
Hole Cemented: No
Why drillhole terminated: In bedrock
Logged by: M. Stalker
Date Logged: 11/30/2004
Number of boxes: 37
Number of assays: 179
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	10.7	Till
10.7	158.5	Gneiss Residuum
		32.3-34.4 - Pyroxenite Dike Residuum
		137.7-138.8 - Pyroxenite Dike Residuum
		153.8-156.5 - Weathered Pyroxenite Dike
158.5	160.0	Pyroxenite Residuum
160.0	165.5	Carbonatite Residuum
165.5	176.0	Carbonatite (Rauhaugite/Sovite)
176.0		End of Hole

Mary E. Bellin

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Exploration Drilling

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Lithological Descriptions

Drill Hole ID

AGR-04-241

North 5461578.95

East 367012.06

Elevation 228.15

Proposed Depth

Actual Depth 176

Number of Boxes 37

Start Date 11/16/2004

End Date 11/18/2004

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	10.7 m	10.7 m	717	BOULDERS (TILL) -heterogenous subround to angular boulders from 1-25cm in size -lower contact in lost core but appears gradational with pebbles stuck in gneiss residuum	12 %
10.7 m	32.3 m	21.6 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -typical, crumbles to sand, silt and clay with rare to minor remanents of granite/granodiorite gneiss -mainly green and cream with abundant orange brown and brick pink with minor bands of mica flakes (≤ 2 mm) -banded at 30-60° to CA -green colour varies from dull khaki green, to bright lime green and pistachio to dark blue green -common to abundant clay content -unformed to well formed core but mainly poorly formed -lower contact sharp at 80° to CA 10.7-12.0 - common dark grey blue green and rusty brown and medium to dark brown silt and clay - in bands that are probably pyroxenite or at least ultramafic dike residuum at approximately 65° to CA 12.0-14.0 - dark blue green coarse grained section 18.5-32.0 - dominantly green sand, silt, and clay	43 %
32.3 m	34.4 m	2.1 m	720	GREY GREEN AND ORANGE BROWN SILT (PYROXENITE DIKE RESIDUUM) -medium grey blue green, medium orange brown, and beige silt probably from weathered pyroxenite dike -overall medium khaki brown colour -colours in bands at 80° to CA or in patches -rare black fine grained magnetite seams (≤ 2 mm) -moderately and well formed core -lower contact in lost and broken core	55 %

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From	To	Length	Lithological Code	Description	% Recovery
34.4 m	78.6 m	44.2 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 10.7-32.3m but with more common and larger remanents of granite/granodiorite gneiss, and locally coarse grained red brown mica (≤ 0.5 cm) -lower contact probably gradational but sharp change in colour at 55° to CA 37.0-37.7 - 25% fresher solid core pieces but still moderately weathered 60.5-61.0 - slightly harder (R0-R1) with original texture well preserved 68.3-68.8 - slightly harder (R0-R1) with original texture well preserved 74.0-74.3 - 20% dark brown grey silt seams (ultramafic dikes?) at approximately 70° to CA	55 %
78.6 m	102.5 m	23.9 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM (BRICK, AND TAN TO ORANGE) -pink to orange pink to pink brick to brick, and tan to orange, and minor cream and green silt, sand, and clay -crumbly texture with common remanents of granite/granodiorite gneiss (≤ 2.5 cm) -banded at 60-70° to CA -crumbles to finer material than typical -change in colour to pink orange from green and cream and more common hard gneiss pieces then in 34.4-78.6m -unformed to moderately formed core -lower contact in lost core 83-84.5 - red brick colour to purple brick and hardened pieces but well fractured 92.1-93.0 - slightly hardened with solid core pieces (≤ 12 cm), may be due to probable dike at 92.2-92.3m 92.2-92.3m - medium to dark brown, hardened silt piece (10cm) probably an ultramafic dike - upper contact sharp at 70° to CA, lower at 45° to CA 93.5-94.5 - common tan clay 95.0-95.5 - common dark brown clay	63 %

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From	To	Length	Lithological Code	Description	% Recovery
102.5 m	134.0 m	31.5 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -typical with a mix of colours throughout but locally colours dominant by section as listed -silt, sand, and clay -banding at 35-70° to CA -with rare mafic to ultramafic bands locally -locally harder solid core pieces -unformed and well formed core -gradational contact 102.5-105.0 - tan and pink clay rich section 105.0-107.0 - green and cream, and minor pink section 107.0-108.5 - pink and tan section 108.5-114.5 - tan, pink, green, and cream 114.5-115.8 - dark brown, medium orange brown, and khaki to bright medium green in bands with minor pink patches and bands - probably an ultramafic dike residuum section or gneiss residuum 115.8-134.0 - tan, cream, pink, and green 125.6-125.8 - mafic mineral rich section 126.3-126.5 - dark brown and medium khaki green and richer in clay - probably mafic mineral section of gneiss but possibly a dike - upper contact at 25° to CA, lower contact in lost core 131.7-132.2 - mafic mineral rich section with common dark green and brown bands 133.1-133.5 - 30% mafic mineral rich bands or possibly dikes - khaki brown and green and clay rich - contacts not observed	85 %

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From	To	Length	Lithological Code	Description	% Recovery
134.0 m	137.7 m	3.7 m	720	WEATHERED GRANITE/GRANODIORITE GNEISS PIECES AND RESIDUUM -50% coarse grained, moderately to strongly weathered gneiss pieces (≤ 7 cm) that are brick red, white, and translucent grey mottled; or white, dark and bright green, and common pink to brick red mottled -50% mainly brick red to pink with common cream and green gneiss residuum of silt, sand, and clay -unit appears strongly fractured (difficult to observe in residuum) and is probably in a fault zone -appears to be common contamination from unit beneath which may affect assays, possibly some pyroxenite dikes contained within the unit but not observed in place -unformed and poorly formed and minor well formed core -lower contact at 50° to CA	43 %

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From	To	Length	Lithological Code	Description	% Recovery
137.7 m	138.8 m	1.1 m	720	FAULT ZONE- WEATHERED PYROXENITE AND RESIDUUM AND BROWN CLAY AND GNEISS RESIDUUM 137.7-138.2 - Weathered Fractured Pyroxenite - dark grey to black, fine grained, soft but harder than typical, weakly magnetic throughout - fractured into pieces ≤5cm but mainly <2.5cm - well formed but fractured into pieces - lower contact in lost core 138.2-138.5 - Pyroxenite Residuuum - dark green grey brown silt and clay with minor green tan patches - moderately formed core - lower contact in lost core 138.5-138.7 - Weathered Pyroxenite and Brown Clay and Gneiss Residuuum - 40% fractured pieces (<2cm) of weathered pyroxenite as in 137.7-138.2m - 40% dark brown to grey brown clay (fault gouge?) possibly including some pyroxenite residuum but fairly homogenous colour and clay texture - 20% green, cream, and pink coarse grained, gneiss residuum which appears to be one large fragment but is possibly contamination - unformed and poorly formed core - lower contact in lost core 138.7-138.8 - Weathered Fractured Pyroxenite - similar to 137.7-138.2m but with minor pyroxenite residuum as in 138.2-138.5m - well formed and minor unformed core - lower contact in lost core	50 %

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From	To	Length	Lithological Code	Description	% Recovery
138.8 m	153.8 m	15.0 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM AND WEATHERED GNEISS PIECES -similar to 134.0-137.7m but with only 25% weathered gneiss pieces (≤ 12 cm) and unit does not appear to be fractured till 150.2m then locally strongly fractured -minor local medium to dark brown and khaki green silt and clay with pieces (≤ 1 cm) of fine grained dark grey pyroxenite that are weakly magnetic, probably weathered pyroxenite dikes -lower contact in lost core 143.8-144.5 - boulders and coarse grained sand, contamination from top of drillhole, boulders removed from sample 144.5-147.5 - common brown and khaki, and dark blue green grey silt possibly small weathered pyroxenite dikes 153.5-153.8 - solid 10cm granite/granodiorite gneiss piece only slightly to moderately weathered (freshest of unit)	47 %
153.8 m	156.5 m	2.7 m	712	FRACTURED WEATHERED PYROXENITE (FAULT ZONE) -similar to 137.7-138.2m but medium grained with some cream and pink mottling and very soft, pieces (≤ 5 cm) -minor medium brown clay at top of unit -dark green grey pyroxenite residuum near lower contact -lower contact in lost core	17 %
156.5 m	158.5 m	2.0 m	720	WEATHERED GNEISS AND PYROXENITE PIECES, AND GNEISS AND PYROXENITE RESIDUUM (FAULT ZONE) -50% medium brown and tan brown, and minor dark green grey and pink silt and clay -35% weathered gneiss pieces (≤ 3 cm) that are mainly rounded like pebbles but with some angular fragments -15% angular dark grey weathered pyroxenite pieces (≤ 2 cm) -core looks jumbled -probably a fault zone with a number of units -unformed core with well formed pieces -lower contact in lost core	13 %

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From	To	Length	Lithological Code	Description	% Recovery
158.5 m	160.0 m	1.5 m	720	<p>PYROXENITE RESIDUUM (FAULT ZONE)</p> <ul style="list-style-type: none">-medium to dark greenish (khaki) brown silt with small pieces (≤ 0.5cm) of dark grey weathered pyroxenite-locally weakly to moderately magnetic (fine grained magnetite)-common patches of dark green grey or green blue grey and orange brown silt-possibly fault gouge material but probably pyroxenite residuum effected by fault-unformed and poorly formed core-lower contact in lost core	43 %
160.0 m	162.9 m	2.9 m	720	<p>CARBONATITE/PYROXENITE RESIDUUM WITH SILICIFIED BANDS (FAULT ZONE)</p> <ul style="list-style-type: none">-similar to silt in 158.5-160.0m but slightly lighter with more orange and tan orange silt and rare bright green silt-silt is weakly magnetic throughout and locally strongly magnetic with rare magnetite grains (≤ 0.5cm)-minor light brown vermiculite/mica-locally with gneiss pebbles (≤ 3mm) and pyroxenite pebbles (≤ 2.5cm), probable fault material or possible contamination from higher in drill hole-35% orange and minor light green and dark grey silicified bands (≤ 8cm) at 30-70° to CA that locally have stylonitic mottling and 2% fine to medium grained magnetite (≤ 2mm), locally appear to be silicified pyroxenite/carbonatite residuum-appears to be carbonatite with common pyroxenite content residuum that has been effected by faulting with fault gouge material and introduction of silicified bands similar to adjacent drillholes drilled in spring 2004-unformed, poorly formed, and well formed core-lower contact in lost core	69 %

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From	To	Length	Lithological Code	Description	% Recovery
162.9 m	165.5 m	2.6 m	720	<p>FRACTURED WEATHERED CARBONATITE (SOVITE) WITH SILICIFIED BANDS AND BROWN SILT (FAULT ZONE)</p> <ul style="list-style-type: none"> -translucent grey cream with pinkish tinge locally -vugs or pits as bands at 30-45° to CA that may have been carbonate rich -orange silicified and vuggy light and dark green bands throughout -weakly to strongly weathered -2% coarse grained magnetite (≤0.5cm) -10% medium brown silt from fractured weathered sovite and probable carbonatite/pyroxenite residuum similar to 160.0-162.9m found especially towards top of unit -similar to sovite but may be intermediate or carbonate rich -25% solid core sections of orange and dark grey silicified (as in 160.0-162.9m) and softer yellow green and medium green with abundant carbonate, similar to a quartz/carbonate vein with inclusions, minor coarse grained (≤1cm) mica -mainly solid core but with well fractured sections -core may be jumbled locally -appears to be fault zone with both pyroxenite and sovite present and with vein like silicification -well formed core in pieces (≤39cm) and unformed core -lower contact at last silicified band at 30° to CA 163.1-163.2 - section of carbonatite/pyroxenite residuum as at 160.0-162.9m 164.2-164.75 - section of solid core that appears mottled and vein like with silicified orange and grey material, common carbonate and dark green and bright yellow green softer material, and xenoliths of sovite <ul style="list-style-type: none"> -crystals forming in larger vugs -lower contact sharp at 35° (picture taken) -loci of fault or silicified pyroxenite but sovite xenoliths indicate vein like @164.2 - silicified orange band (1cm) at 60° to CA crosscuts banding of silicified residuum at 30° to CA with a 1cm displacement (picture taken) 	92 %

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From	To	Length	Lithological Code	Description	% Recovery
165.5 m	169.3 m	3.8 m	711	WEATHERED CARBONATITE (SOVITE) -translucent greyish cream and locally pink grey cream -3-5% coarse grained magnetite (≤ 1 cm) disseminated throughout or rarely in bands -well banded at 20-40° to CA with bands of orange weathered material or medium and dark green mafic mineral material that are mainly vuggy, bands make up approximately 20% of core and are ≤ 0.5 cm -mainly solid core with minor fracturing at 166.1-166.3m, 168.4-168.5m -minor joints opposite to foliation direction at 0-30° to CA -well formed core with pieces ≤ 54 cm -lower contact sharp at weathering contact or possibly different carbonatite at 20° to CA (picture taken)	96 %
169.3 m	173.0 m	3.7 m	711	FRACTURED SOVITE -light grey translucent with common pink translucent bands at 0-20° to CA, medium grained -20% bands of black and dark grey silt and magnetite at 0-20° to CA that have caused much of the fracturing into pieces, probably originally mafic mineral (pyroxene) rich bands -5-7% coarse grained magnetite (≤ 1.5 cm) in bands and disseminated throughout -1% black and red brown mica (≤ 0.5 cm) -minor bands of grey cream chert following banding direction -trace smears of pyrite -common jointing mainly in opposite direction to banding at 0-50° to CA -well formed core but fractured into pieces (≤ 23 cm but mainly < 8 cm) -lower contact gradational but chosen at start of larger pieces	88 %

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From	To	Length	Lithological Code	Description	% Recovery
173.0 m	176.0 m	3.0 m	711	SOVITE -similar to 169.3-173.0m but with only minor fracturing which decreases downhole to solid core, mafic mineral bands are mainly disseminated bands rather than solid and decrease to 10% and are at 0-35° to CA -local jointing and faulting especially at 50° to CA -at 174.6m and 175.2m banding at 45° and 60° respectively is cutting across previous banding may be that material is within a joint or fault -well formed core pieces (≤46cm) 174.6-174.7 - a few faults at 35-50° with displacement unknown but >8cm 174.7-175.1 - SAMPLE A126586 TAKEN FOR STRENGTH TESTING	100 %
176.0				END OF HOLE	%

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Proposed Depth

Actual Depth 176

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161430	10.70	12.00	1.30	0.30	12.23	2.08	14.07	47.17	3.05	1.48	1.13	Granite/Granodiorite Gneiss Residuum with Pyroxenite Residuum
A161431	12.00	12.50	0.50	0.33	7.89	1.79	17.66	51.91	2.16	0.73	0.143	Granite/Granodiorite Gneiss Residuum
A161432	12.50	13.25	0.75	0.28	6.83	1.25	18.21	52.80	2.39	0.58	0.174	Granite/Granodiorite Gneiss Residuum
A161433	13.25	14.00	0.75	0.34	7.93	1.35	18.15	51.17	2.64	0.70	0.127	Granite/Granodiorite Gneiss Residuum
A161434	14.00	14.75	0.75	0.40	7.38	1.35	16.77	52.44	2.40	0.74	0.129	Granite/Granodiorite Gneiss Residuum
A161435	14.75	15.50	0.75	0.22	8.23	1.63	15.78	53.08	2.04	0.83	1.68	Granite/Granodiorite Gneiss Residuum
A161436	15.50	17.00	1.50	0.23	6.01	1.66	17.02	54.73	2.45	0.64	0.118	Granite/Granodiorite Gneiss Residuum
A161437	17.00	18.50	1.50	0.19	7.35	2.15	16.31	52.23	2.62	0.70	0.156	Granite/Granodiorite Gneiss Residuum
A161438	18.50	20.00	1.50	0.25	6.29	1.64	16.41	54.51	3.03	0.60	0.128	Granite/Granodiorite Gneiss Residuum
A161439	20.00	21.50	1.50	0.26	6.44	1.53	16.28	55.33	2.96	0.60	0.158	Granite/Granodiorite Gneiss Residuum
A161440	21.50	23.00	1.50	0.41	8.49	2.62	15.53	49.15	3.86	0.75	0.16	Granite/Granodiorite Gneiss Residuum
A161441	23.00	23.75	0.75	0.31	7.32	1.97	16.18	51.33	3.16	0.67	0.144	Granite/Granodiorite Gneiss Residuum
A161442	23.75	24.50	0.75	0.27	9.90	2.13	15.80	48.88	2.84	0.74	0.155	Granite/Granodiorite Gneiss Residuum
A161443	24.50	26.00	1.50	0.41	9.32	2.82	15.28	46.55	4.62	0.72	0.215	Granite/Granodiorite Gneiss Residuum
A161444	26.00	27.50	1.50	0.24	5.31	1.63	16.10	56.12	3.48	0.49	0.116	Granite/Granodiorite Gneiss Residuum
A161445	27.50	29.00	1.50	0.39	8.40	2.67	16.39	47.21	4.56	0.73	0.163	Granite/Granodiorite Gneiss Residuum
A161446	29.00	30.50	1.50	0.46	11.37	3.85	13.98	44.03	4.85	0.90	0.187	Granite/Granodiorite Gneiss Residuum
A161447	30.50	32.00	1.50	0.28	6.52	2.00	15.64	54.64	3.38	0.56	0.157	Granite/Granodiorite Gneiss Residuum
A161448	32.00	32.30	0.30	0.16	6.46	2.10	15.68	54.83	3.36	0.53	0.186	Granite/Granodiorite Gneiss Residuum
A161449	32.30	33.50	1.20	0.30	24.65	2.32	10.64	39.33	3.43	4.48	3.12	Grey Green and Orange Brown Silt (Pyroxenite Dike Residuum)
A161450	33.50	34.40	0.90	0.31	25.78	2.22	10.14	37.04	3.97	4.79	2.46	Grey Green and Orange Brown Silt (Pyroxenite Dike Residuum)
A161451	34.40	35.00	0.60	-0.02	6.26	1.67	14.47	59.02	2.60	0.53	0.143	Granite/Granodiorite Gneiss Residuum

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Proposed Depth
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 Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161452	35.00	36.50	1.50	0.00	7.85	1.52	14.87	57.62	2.14	0.69	0.164	Granite/Granodiorite Gneiss Residuum
A161453	36.50	38.00	1.50	-0.02	8.80	2.12	14.19	53.64	4.33	0.66	0.197	Granite/Granodiorite Gneiss Residuum
A161454	38.00	39.50	1.50	-0.03	4.67	1.12	14.94	64.30	2.46	0.37	0.14	Granite/Granodiorite Gneiss Residuum
A161455	39.50	41.00	1.50	-0.01	3.37	0.81	15.71	65.29	2.27	0.39	0.171	Granite/Granodiorite Gneiss Residuum
A161456	41.00	42.50	1.50	-0.05	2.93	0.65	15.31	66.96	2.51	0.30	0.123	Granite/Granodiorite Gneiss Residuum
A161457	42.50	44.00	1.50	0.02	3.98	0.91	15.91	63.95	2.22	0.36	0.141	Granite/Granodiorite Gneiss Residuum
A161458	44.00	45.50	1.50	0.01	4.72	1.13	16.26	60.43	2.93	0.42	0.166	Granite/Granodiorite Gneiss Residuum
A161459	45.50	47.00	1.50	0.02	4.44	1.20	15.02	63.78	2.84	0.45	0.176	Granite/Granodiorite Gneiss Residuum
A161460	47.00	47.75	0.75	-0.01	5.90	1.15	15.73	61.85	2.58	0.50	0.17	Granite/Granodiorite Gneiss Residuum
A161461	47.75	48.50	0.75	-0.03	8.23	1.31	15.17	57.04	2.15	0.55	0.18	Granite/Granodiorite Gneiss Residuum
A161462	48.50	49.25	0.75	0.07	5.15	1.21	14.97	62.92	2.82	0.56	0.268	Granite/Granodiorite Gneiss Residuum
A161463	49.25	50.00	0.75	0.07	4.94	1.27	15.59	62.27	2.76	0.57	0.264	Granite/Granodiorite Gneiss Residuum
A161464	50.00	51.50	1.50	0.09	5.86	1.52	15.70	58.97	3.01	0.61	0.225	Granite/Granodiorite Gneiss Residuum
A161465	51.50	53.00	1.50	0.05	4.94	1.56	14.75	62.54	3.17	0.39	0.145	Granite/Granodiorite Gneiss Residuum
A161466	53.00	54.50	1.50	0.00	4.36	1.00	15.04	65.34	3.03	0.38	0.187	Granite/Granodiorite Gneiss Residuum
A161467	54.50	55.25	0.75	0.02	5.90	1.21	15.78	60.23	2.87	0.51	0.167	Granite/Granodiorite Gneiss Residuum
A161468	55.25	56.00	0.75	0.04	8.17	1.19	15.75	55.49	2.91	0.64	0.199	Granite/Granodiorite Gneiss Residuum
A161469	56.00	56.75	0.75	0.10	5.48	1.07	15.39	62.28	2.78	0.49	0.185	Granite/Granodiorite Gneiss Residuum
A161470	56.75	57.50	0.75	-0.02	11.36	3.72	12.50	51.31	2.89	0.71	0.184	Granite/Granodiorite Gneiss Residuum
A161471	57.50	59.00	1.50	0.13	5.01	1.28	15.78	61.09	3.10	0.44	0.09	Granite/Granodiorite Gneiss Residuum
A161472	59.00	60.50	1.50	0.09	5.02	0.79	15.62	62.54	2.98	0.45	0.294	Granite/Granodiorite Gneiss Residuum
A161473	60.50	61.25	0.75	0.11	5.08	0.83	15.38	63.65	3.11	0.45	0.309	Granite/Granodiorite Gneiss Residuum

Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-241

North 5461578.95
East 367012.06
Elevation 228.15

Start Date 11/16/2004
End Date 11/18/2004

Proposed Depth
Actual Depth 176
Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161474	61.25	62.00	0.75	0.10	5.32	0.90	15.05	63.06	2.63	0.44	0.204	Granite/Granodiorite Gneiss Residuum
A161475	62.00	63.50	1.50	0.06	4.54	0.95	14.69	65.65	2.75	0.40	0.16	Granite/Granodiorite Gneiss Residuum
A161476	63.50	64.25	0.75	0.02	4.05	0.75	15.63	64.69	2.48	0.42	0.353	Granite/Granodiorite Gneiss Residuum
A161477	64.25	65.00	0.75	-0.02	3.49	0.64	15.11	68.05	2.53	0.33	0.189	Granite/Granodiorite Gneiss Residuum
A161478	65.00	65.75	0.75	0.00	4.07	0.84	15.20	66.14	2.76	0.35	0.128	Granite/Granodiorite Gneiss Residuum
A161479	65.75	66.50	0.75	0.00	3.52	0.96	14.46	67.71	1.98	0.34	0.127	Granite/Granodiorite Gneiss Residuum
A161480	66.50	67.25	0.75	0.03	4.94	1.08	15.13	64.30	2.57	0.46	0.161	Granite/Granodiorite Gneiss Residuum
A161481	67.25	68.00	0.75	0.07	4.13	0.89	14.89	65.75	2.00	0.45	0.185	Granite/Granodiorite Gneiss Residuum
A161482	68.00	69.50	1.50	0.04	4.70	0.91	14.79	65.41	2.28	0.44	0.232	Granite/Granodiorite Gneiss Residuum
A161483	69.50	71.00	1.50	0.00	4.42	1.06	14.43	65.14	2.31	0.36	0.188	Granite/Granodiorite Gneiss Residuum
A161484	71.00	72.50	1.50	0.14	6.53	1.15	14.54	59.95	3.43	0.50	0.494	Granite/Granodiorite Gneiss Residuum
A161485	72.50	73.25	0.75	0.03	7.10	1.46	15.28	58.96	2.74	0.52	0.135	Granite/Granodiorite Gneiss Residuum
A161486	73.25	74.00	0.75	0.08	9.18	2.64	14.45	53.69	2.69	0.68	0.278	Granite/Granodiorite Gneiss Residuum
A161487	74.00	74.30	0.30	0.20	11.51	3.37	13.66	52.39	1.61	1.07	0.171	Granite/Granodiorite Gneiss Residuum with Ultramafic Dike Residuum
A161488	74.30	74.75	0.45	0.24	13.20	2.61	14.50	47.35	2.67	1.20	0.194	Granite/Granodiorite Gneiss Residuum
A161489	74.75	75.50	0.75	0.26	14.71	2.82	14.41	44.44	2.80	1.36	0.269	Granite/Granodiorite Gneiss Residuum
A161490	75.50	76.25	0.75	0.29	11.17	2.39	15.08	48.31	3.09	0.87	0.188	Granite/Granodiorite Gneiss Residuum
A161491	76.25	77.00	0.75	0.06	7.02	1.55	15.76	54.70	2.82	0.56	0.112	Granite/Granodiorite Gneiss Residuum
A161492	77.00	77.75	0.75	0.07	8.26	1.97	16.11	51.25	2.85	0.62	0.114	Granite/Granodiorite Gneiss Residuum
A161493	77.75	78.60	0.85	0.10	6.80	2.19	15.44	55.67	2.50	0.52	0.12	Granite/Granodiorite Gneiss Residuum
A161494	78.60	79.25	0.65	0.06	7.66	3.25	14.42	55.36	1.33	0.56	0.101	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161495	79.25	80.00	0.75	0.11	5.61	2.18	15.36	58.64	0.89	0.57	0.111	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)

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Kapuskasing Phosphate Operation
Exploration Drilling

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North 5461578.95

Start Date 11/16/2004

East 367012.06

End Date 11/18/2004

Elevation 228.15

Proposed Depth

Actual Depth 176

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161496	80.00	80.75	0.75	0.11	5.07	1.99	14.40	61.26	0.83	0.55	0.117	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161497	80.75	81.50	0.75	0.02	4.34	1.81	14.52	63.43	0.62	0.39	0.12	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161498	81.50	82.25	0.75	0.11	7.38	2.68	15.56	54.97	1.07	0.64	0.117	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161499	82.25	83.00	0.75	0.41	7.21	1.85	14.35	58.45	1.11	0.70	0.167	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161500	83.00	84.50	1.50	0.20	5.09	1.06	13.98	61.99	0.75	0.36	0.255	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161501	84.50	85.25	0.75	0.15	6.14	1.77	14.56	60.10	0.81	0.48	0.172	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161502	85.25	86.00	0.75	-0.04	3.22	1.19	14.11	67.99	0.51	0.28	0.091	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161503	86.00	86.75	0.75	0.02	6.02	1.90	14.28	61.18	0.64	0.50	0.184	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161504	86.75	87.50	0.75	-0.02	3.67	1.28	15.10	65.15	0.49	0.34	0.095	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161505	87.50	89.00	1.50	-0.01	4.29	1.42	14.54	65.18	0.73	0.33	0.102	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161506	89.00	89.75	0.75	0.04	8.31	1.81	14.60	58.63	0.89	0.37	0.091	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161507	89.75	90.50	0.75	-0.02	5.71	1.24	14.72	63.75	0.87	0.33	0.11	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161508	90.50	91.25	0.75	-0.05	3.28	1.05	16.66	63.83	0.73	0.30	0.064	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161509	91.25	92.20	0.95	0.11	5.40	1.79	15.40	59.79	1.64	0.53	0.109	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161510	92.20	92.30	0.10	0.07	4.13	1.26	14.26	66.05	0.81	0.71	1.15	Brown Silt to Weathered Ultramafic Dike
A161511	92.30	93.50	1.20	0.11	3.01	1.06	14.40	66.40	0.71	0.39	0.97	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161512	93.50	94.25	0.75	0.07	6.51	2.09	14.14	60.05	1.04	0.57	0.116	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161513	94.25	95.00	0.75	0.06	4.72	1.51	15.02	62.52	1.23	0.47	0.173	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161514	95.00	95.75	0.75	0.02	6.79	2.20	14.76	58.61	1.18	0.58	0.248	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161515	95.75	96.50	0.75	0.03	6.24	1.80	13.94	61.56	1.28	0.54	0.215	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161516	96.50	97.25	0.75	0.11	7.78	2.50	13.75	57.46	1.54	0.61	0.301	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161517	97.25	98.00	0.75	0.01	6.23	1.87	14.88	59.15	1.59	0.53	0.212	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)

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North 5461578.95

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Elevation 228.15

Proposed Depth

Actual Depth 176

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161518	98.00	99.50	1.50	0.02	5.74	1.52	14.82	61.51	1.53	0.51	0.356	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161519	99.50	101.00	1.50	-0.02	3.25	0.87	15.49	65.60	1.57	0.37	0.525	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161520	101.00	102.50	1.50	0.01	4.09	1.14	14.99	63.98	1.16	0.39	0.384	Granite/Granodiorite Gneiss Residuum (Brick and Tan to Orange)
A161521	102.50	103.25	0.75	0.02	3.90	1.19	14.51	64.37	1.86	0.34	0.094	Granite/Granodiorite Gneiss Residuum
A161522	103.25	104.00	0.75	0.02	3.73	1.16	15.10	63.57	1.88	0.40	0.076	Granite/Granodiorite Gneiss Residuum
A161523	104.00	104.75	0.75	0.01	3.49	0.93	16.05	63.98	2.41	0.36	0.077	Granite/Granodiorite Gneiss Residuum
A161524	104.75	105.50	0.75	0.05	6.27	1.38	17.02	55.78	2.97	0.53	0.138	Granite/Granodiorite Gneiss Residuum
A161525	105.50	107.00	1.50	-0.02	9.48	1.78	15.19	53.21	2.32	0.77	0.288	Granite/Granodiorite Gneiss Residuum
A161526	107.00	107.75	0.75	0.06	4.80	1.39	14.73	62.77	1.63	0.57	0.316	Granite/Granodiorite Gneiss Residuum
A161527	107.75	108.50	0.75	0.02	5.74	1.76	14.60	60.65	1.44	0.57	0.254	Granite/Granodiorite Gneiss Residuum
A161528	108.50	109.25	0.75	0.02	4.42	1.20	14.54	65.19	1.32	0.43	0.285	Granite/Granodiorite Gneiss Residuum
A161529	109.25	110.00	0.75	0.01	5.08	1.40	14.52	63.56	1.61	0.54	0.493	Granite/Granodiorite Gneiss Residuum
A161530	110.00	110.75	0.75	0.02	7.89	2.18	14.35	57.75	1.60	0.68	0.456	Granite/Granodiorite Gneiss Residuum
A161531	110.75	111.50	0.75	0.40	6.66	1.99	16.17	54.43	2.49	0.89	0.566	Granite/Granodiorite Gneiss Residuum
A161532	111.50	112.25	0.75	0.06	6.77	1.73	15.11	56.99	1.90	0.64	1.05	Granite/Granodiorite Gneiss Residuum
A161533	112.25	113.00	0.75	0.07	4.41	1.35	14.84	64.99	1.77	0.46	0.435	Granite/Granodiorite Gneiss Residuum
A161534	113.00	113.75	0.75	0.08	5.65	1.47	16.16	59.06	2.52	0.55	0.449	Granite/Granodiorite Gneiss Residuum
A161535	113.75	114.50	0.75	0.01	5.40	1.73	14.51	61.86	1.53	0.49	0.325	Granite/Granodiorite Gneiss Residuum
A161536	114.50	115.15	0.65	0.19	13.50	3.00	13.10	48.00	2.31	1.10	1.34	Ultramafic Dike Residuum or Granite/Granodiorite Gneiss Residuum
A161537	115.15	115.80	0.65	0.20	14.35	2.84	13.09	47.00	2.13	1.02	0.266	Ultramafic Dike Residuum or Granite/Granodiorite Gneiss Residuum
A161538	115.80	116.75	0.95	0.14	8.39	2.33	14.91	53.10	2.16	0.80	0.183	Granite/Granodiorite Gneiss Residuum
A161539	116.75	117.50	0.75	0.27	9.57	2.67	14.11	50.14	2.77	0.73	0.143	Granite/Granodiorite Gneiss Residuum

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Exploration Drilling

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North 5461578.95

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Elevation 228.15

Proposed Depth

Actual Depth 176

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161540	117.50	118.25	0.75	0.00	4.59	2.12	14.40	61.63	1.45	0.59	0.098	Granite/Granodiorite Gneiss Residuum
A161541	118.25	119.00	0.75	0.04	4.64	2.72	14.89	58.66	1.67	0.63	0.071	Granite/Granodiorite Gneiss Residuum
A161542	119.00	119.75	0.75	0.01	5.39	2.33	14.40	59.75	1.92	0.46	0.15	Granite/Granodiorite Gneiss Residuum
A161543	119.75	120.50	0.75	0.03	5.89	2.19	15.03	58.15	2.26	0.59	0.137	Granite/Granodiorite Gneiss Residuum
A161544	120.50	121.25	0.75	0.15	6.28	2.01	15.26	57.42	2.53	0.58	0.118	Granite/Granodiorite Gneiss Residuum
A161545	121.25	122.00	0.75	0.09	6.56	2.49	14.81	56.22	2.15	0.67	0.135	Granite/Granodiorite Gneiss Residuum
A161546	122.00	122.75	0.75	0.02	5.36	2.38	14.80	59.19	1.66	0.56	0.125	Granite/Granodiorite Gneiss Residuum
A161547	122.75	123.50	0.75	0.00	3.35	1.65	14.42	66.50	1.80	0.44	0.089	Granite/Granodiorite Gneiss Residuum
A161548	123.50	124.25	0.75	0.03	6.42	2.16	14.83	58.75	1.84	0.53	0.177	Granite/Granodiorite Gneiss Residuum
A161549	124.25	125.00	0.75	0.00	7.50	1.63	15.82	56.43	2.62	0.65	0.239	Granite/Granodiorite Gneiss Residuum
A161550	125.00	125.75	0.75	0.03	7.50	2.01	15.06	56.78	1.93	0.62	0.223	Granite/Granodiorite Gneiss Residuum
A161551	125.75	126.50	0.75	0.01	6.94	1.96	15.59	56.26	1.99	0.57	0.391	Granite/Granodiorite Gneiss Residuum
A161552	126.50	127.25	0.75	0.02	9.43	2.69	14.33	52.56	2.09	0.75	0.543	Granite/Granodiorite Gneiss Residuum
A161553	127.25	128.00	0.75	0.01	6.59	1.69	15.43	57.88	2.08	0.51	0.354	Granite/Granodiorite Gneiss Residuum
A161554	128.00	128.75	0.75	-0.01	5.62	1.77	14.98	60.01	1.72	0.52	0.302	Granite/Granodiorite Gneiss Residuum
A161555	128.75	129.50	0.75	-0.02	4.25	1.77	14.44	64.00	1.07	0.43	0.547	Granite/Granodiorite Gneiss Residuum
A161556	129.50	130.25	0.75	0.07	5.84	2.54	14.46	58.14	1.53	0.56	0.375	Granite/Granodiorite Gneiss Residuum
A161557	130.25	131.00	0.75	0.03	4.67	1.65	14.62	62.20	1.44	0.51	0.728	Granite/Granodiorite Gneiss Residuum
A161558	131.00	131.75	0.75	-0.02	4.89	1.51	14.42	61.44	1.10	0.42	1.01	Granite/Granodiorite Gneiss Residuum
A161559	131.75	132.50	0.75	0.00	8.35	2.32	14.22	53.00	2.79	0.64	0.947	Granite/Granodiorite Gneiss Residuum
A161560	132.50	133.25	0.75	0.00	6.70	2.30	13.97	57.49	1.81	0.51	0.488	Granite/Granodiorite Gneiss Residuum
A161561	133.25	134.00	0.75	0.96	7.85	3.36	12.87	52.84	2.49	0.51	0.966	Granite/Granodiorite Gneiss Residuum

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Proposed Depth

Actual Depth 176

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161562	134.00	135.50	1.50	0.12	4.82	2.07	15.01	57.44	1.88	0.52	0.862	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161563	135.50	137.00	1.50	-0.01	2.98	1.42	14.90	63.43	1.85	0.31	0.25	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161564	137.00	137.70	0.70	0.07	3.56	1.75	14.96	61.47	1.92	0.42	0.587	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161565	137.70	138.50	0.80	0.47	14.84	4.33	11.80	40.78	5.23	1.87	3.44	Weathered Pyroxenite and Pyroxenite Residuum (Fault Zone)
A161566	138.50	138.80	0.30	0.45	14.72	4.65	11.86	40.35	4.90	1.84	3	Weathered Pyroxenite and Brown Clay and Gneiss Residuum
A161567	138.80	139.25	0.45	0.33	9.92	3.55	13.60	48.86	2.65	1.08	6.88	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161568	139.25	140.00	0.75	0.33	7.17	3.15	14.61	50.40	3.43	0.66	0.24	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161569	140.00	140.75	0.75	0.12	3.55	1.95	16.45	57.14	2.57	0.37	0.149	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161570	140.75	141.50	0.75	0.07	3.26	1.73	16.04	59.37	2.38	0.33	0.162	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161571	141.50	142.25	0.75	0.16	5.42	2.78	14.82	54.45	2.90	0.48	0.173	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161572	142.25	143.00	0.75	0.23	5.98	2.92	14.73	52.94	3.54	0.58	0.702	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161573	143.00	143.80	0.80	0.10	3.45	1.75	17.45	53.91	2.74	0.33	0.133	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161574	143.80	144.50	0.70	0.05	2.16	1.18	15.56	61.46	3.37	0.20	0.897	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161575	144.50	146.00	1.50	0.31	10.37	3.07	13.67	47.72	4.30	1.27	2.33	Granite/Granodiorite Gneiss Residuum & Weathered Pieces & Common Weathered Pyroxenite Dikes
A161576	146.00	147.50	1.50	0.29	8.75	2.99	14.13	49.96	3.74	0.99	3.55	Granite/Granodiorite Gneiss Residuum & Weathered Pieces & Common Weathered Pyroxenite Dikes
A161577	147.50	149.00	1.50	0.19	5.97	2.65	15.22	53.23	3.37	0.57	0.404	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161578	149.00	150.50	1.50	0.07	4.50	2.35	15.97	55.88	4.25	0.36	0.268	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161579	150.50	152.00	1.50	0.13	5.02	2.43	15.96	55.01	3.48	0.43	0.18	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161580	152.00	153.50	1.50	0.03	4.34	2.10	16.55	56.01	4.08	0.31	0.66	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161581	153.50	153.80	0.30	0.00	9.74	3.56	13.56	49.13	5.43	0.74	0.611	Granite/Granodiorite Gneiss Residuum and Weathered Pieces
A161582	153.80	155.00	1.20	0.44	16.48	5.09	10.10	39.28	4.90	2.15	1.97	Fractured Weathered Pyroxenite (Fault Zone)
A161583	155.00	156.50	1.50	0.34	16.53	5.48	10.08	39.11	4.95	2.15	1.93	Fractured Weathered Pyroxenite (Fault Zone)

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-241

North 5461578.95
East 367012.06
Elevation 228.15

Start Date 11/16/2004
End Date 11/18/2004

Proposed Depth
Actual Depth 176
Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161584	156.50	158.50	2.00	0.02	6.43	2.64	14.32	54.80	3.63	0.55	0.409	Weathered and Residuum Gneiss and Pyroxenite (Fault Zone)
A161585	158.50	159.50	1.00	1.06	17.29	5.59	9.68	38.56	5.04	2.07	7.67	Pyroxenite Residuum (Fault Zone)
A161586	159.50	160.00	0.50	1.31	17.54	5.72	9.28	38.42	5.41	2.08	3.75	Pyroxenite Residuum (Fault Zone)
A161587	160.00	160.50	0.50	11.46	13.86	3.65	0.98	39.46	15.74	0.68	9.32	Carbonatite/Pyroxenite Residuum with Silicified Bands
A161588	160.50	161.00	0.50	12.72	15.28	3.49	0.74	38.84	16.69	0.84	23.1	Carbonatite/Pyroxenite Residuum with Silicified Bands
A161589	161.00	162.50	1.50	9.94	15.62	4.29	1.79	42.07	13.52	0.86	37.1	Carbonatite/Pyroxenite Residuum with Silicified Bands
A161590	162.50	162.90	0.40	8.18	13.81	5.74	2.23	30.89	18.78	1.03	22.7	Carbonatite/Pyroxenite Residuum with Silicified Bands
A161591	162.90	163.40	0.50	4.36	3.78	2.21	0.48	15.05	39.42	0.23	13	Weathered Sovite with Silicified Bands and Brown Silt (Fault Zone)
A161592	163.40	164.00	0.60	2.33	2.00	1.95	0.23	17.61	39.70	0.12	9.19	Weathered Sovite with Silicified Bands
A161593	164.00	164.75	0.75	5.42	4.28	3.24	0.66	18.32	35.91	0.19	10.6	Silicified Residuum and Fractured Sovite
A161594	164.75	165.50	0.75	2.77	2.51	2.18	0.20	12.80	42.30	0.15	9.36	Fractured Weathered Sovite
A161595	165.50	166.25	0.75	2.82	1.65	2.30	0.19	6.63	46.93	0.12	9.66	Weathered Carbonatite (Sovite)
A161596	166.25	167.00	0.75	2.87	2.40	2.72	0.24	2.45	48.68	0.17	14.3	Weathered Carbonatite (Sovite)
A161597	167.00	167.75	0.75	2.78	1.79	2.56	0.21	1.79	49.63	0.15	12	Weathered Carbonatite (Sovite)
A161598	167.75	168.50	0.75	3.88	3.47	4.16	0.44	3.90	45.68	0.24	15.1	Weathered Carbonatite (Sovite)
A161599	168.50	169.30	0.80	4.35	4.45	5.47	0.23	2.81	44.54	0.20	22.2	Weathered Carbonatite (Sovite)
A161600	169.30	170.00	0.70	3.83	7.08	11.50	0.34	2.95	35.08	0.18	32.6	Fractured Sovite
A161601	170.00	170.75	0.75	3.94	8.86	12.04	1.70	9.16	25.79	0.60	15.5	Fractured Sovite
A161602	170.75	171.50	0.75	4.25	10.06	12.66	2.07	10.29	22.84	0.71	11.2	Fractured Sovite
A161603	171.50	172.25	0.75	4.65	7.07	14.24	0.83	4.51	30.11	0.27	21.7	Fractured Sovite
A161604	172.25	173.00	0.75	5.58	5.34	10.50	0.32	3.34	37.99	0.18	24.3	Fractured Sovite
A161605	173.00	173.75	0.75	5.28	5.16	9.25	0.29	3.11	39.46	0.18	23.5	Sovite

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Agrium

*Kapuskasing Phosphate Operation
Exploration Drilling*

*Drill Hole ID
AGR-04-241*

North 5461578.95

Start Date 11/16/2004

East 367012.06

End Date 11/18/2004

Elevation 228.15

Proposed Depth

Actual Depth 176

Number of Boxes 0

Assay Results

<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>P2O5</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>Al2O3</i>	<i>SiO2</i>	<i>CaO</i>	<i>TiO2</i>	<i>Mag. Sus.</i>	<i>Comment</i>
A161606	173.75	174.50	0.75	4.71	5.96	15.45	0.17	1.99	33.71	0.13	22.8	Sovite
A161607	174.50	175.25	0.75	3.05	4.38	16.62	0.17	1.26	33.83	0.07	10.2	Sovite
A161608	175.25	176.00	0.75	4.31	5.72	13.84	0.28	2.55	34.79	0.15	29.5	Sovite

Northing: 5461602.66
Easting: 367040.10
Elevation: 227.85
Depth: 116
Azimuth: 0
Dip: -90

Drillhole Attitude Tests: No

Township: Cargill
Claim number: P413078/104395/CLM300
Drilling Contractor: Norex Drilling
Drilling Start Date: 11/18/2004
Drilling End Date: 11/21/2004
Core Size: HQ
Casing: No
Hole Cemented: No
Why drillhole terminated: Material caved in from uphole and tightened rods
Logged by: M. Stalker
Date Logged: 12/4/2004
Number of boxes: 19
Number of assays: 102
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	8.4	Till
8.4	116.0	Gneiss Residuum
		22.3-25.1 - Pyroxenite Dike Residuum
		93.3-94.0 - Pyroxenite Dike Residuum
		101.0-102.5 - Dike? Residuum
		105.5-108.5 - Pyroxenite Dike Residuum
116.0		End of Hole

M. Stalker

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-242

North 5461602.66

East 367040.1

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 19

Start Date 11/18/2004

End Date 11/21/2004

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	2.0 m	2.0 m	799	SOVITE BOULDERS (PIT RAMP) -white sovite boulders used to build ramp (not in place) -lower contact approximate due to poor recovery in first run (0-3.5m)	35 %
2.0 m	8.4 m	6.4 m	717	BOULDERS (TILL) -heterogenous subround to angular boulders (≤ 22 cm) without silt and clay -lower contact in lost core	16 %
8.4 m	22.3 m	13.9 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -cream, orange to orange brown, pink, light and medium yellow green and dark green, and tan crumbly silt, clay and sand with minor hard granite/granodiorite gneiss remanents -locally common shiny bronze and black mica flakes (≤ 1 mm), minor overall -typical granite/granodiorite gneiss residuum -local banding at 75° to CA -poorly formed and unformed core -lower contact in lost core 20.3-20.5 - medium greenish tan brown clay with dark grey blue patches and orange brown silt at 60° to CA - probably pyroxenite dike residuum but possibly a mafic section of gneiss residuum	44 %

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East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

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From	To	Length	Lithological Code	Description	% Recovery
22.3 m	25.1 m	2.8 m	720	<p>PYROXENITE/CARBONATITE DIKE RESIDUUM</p> <p>-tan brown silt and minor clay, green grey blue silt and common clay, and minor medium brown purple silt and clay near lower contact</p> <p>-appears to be a mix of pyroxenite and carbonatite residuum, probably a dike in the gneiss but may be all pyroxenite residuum or another type of dike, possibly carbonatite residuum with pyroxene rich bands</p> <p>-poorly and moderately formed and minor unformed core</p> <p>-lower contact in lost core</p> <p>22.3-23.0 - medium yellow green and dark grey green blue and minor orange brown silt and clay</p> <p>- dark grey green blue is in patches possibly originally coarse grained texture or less altered remanent pyroxenite (but still silt)</p> <p>23.0-24.2 - tan brown to medium khaki brown silt with rare dark grey silt patches</p> <p>24.2-25.0 - a mix of tan brown, dark grey green blue, and minor medium orange brown silt and clay</p> <p>25.0-25.1 - medium brown purple and orange silt and clay</p>	75 %

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East 367040.1

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Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
25.1 m	69.5 m	44.4 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -as 8.4-22.3m 33.5-35.2 - common tan brown and orange brown silt possibly a pyroxenite/carbonatite dike (now residuum) within this section but very poor recovery - lower contact appears to be a dike contact at approximately 20° to CA 42.5-47.0 - abundant bright medium yellow green silt and clay and increase in size of gneiss remanents 47.3-48.2 - 30% sections of medium grey brown, orange brown and tan silt probably pyroxenite dike residuum 49.4-50.0 - blue green tan, minor orange brown and brown purple silt - well formed and poorly formed core - probably pyroxenite dike residuum - contacts in lost and broken core 56.5-56.7 - medium brown silt, pyroxenite dike residuum - contacts not observed 57.3-57.5 - assay may be contaminated due to presence of small pebbles probably from near surface	45 %
69.5 m	71.0 m	1.5 m	799	LOST CORE	0 %

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East 367040.1

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 19

Start Date 11/18/2004

End Date 11/21/2004

From	To	Length	Lithological Code	Description	% Recovery
71.0 m	93.3 m	22.3 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 8.4-22.3m but banding at 50-75° to CA, and locally moderately and well formed core -lower contact in lost core 71.0-72.5 - abundant pebble and cobble contamination from uphole removed for sampling but sample may still be somewhat contaminated 72.5-77.0 - brick pink to red, and tan orange colours dominate 72.5-72.8 - medium to dark brown silt with rare remnants of gneiss - probably a pyroxenite dike or a compositionally distinct section of gneiss - contacts not observed 74.0-75.7 - common slightly hardened core (strongly weathered gneiss pieces) 77.0-93.3 - abundant green and brick pink coloured granite/granodiorite gneiss residuum, coarse grained 85.0-85.1 - common dark brown silt possibly from pyroxenite dike residuum 89.3-92.0 - common slightly hardened core (strongly weathered gneiss pieces)	47 %
93.3 m	94.0 m	0.7 m	720	DARK BROWN CLAY AND SILT (PYROXENITE DIKE RESIDUUM) -dark brown clay and silt with minor medium green and khaki brown silt and clay -probably pyroxenite residuum -poorly formed core, very poor recovery -lower contact in lost core	14 %

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Kapuskasing Phosphate Operation

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North 5461602.66

Start Date 11/18/2004

East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
94.0 m	101.0 m	7.0 m	720	WEATHERED GRANITE/GRANODIORITE GNEISS PIECES AND GRANITE/GRANODIORITE GNEISS RESIDUUM -60% poorly to moderately weathered granite/granodiorite gneiss pieces (≤ 5 cm) that are mainly cream and dark green banded (at 50-65° to CA) or pink and cream, mainly well fractured -40% granite/granodiorite gneiss residuum as in 8.4-22.3m -well formed, poorly formed, and unformed core, very poor recovery throughout unit -lower contact in lost core 97.8-98.0 - common dark brown silt and clay - possibly pyroxenite residuum, fault gouge, or contamination from uphole	18 %
101.0 m	102.5 m	1.5 m	720	TAN SILT AND MINOR CLAY (DIKE?) -tan and minor medium to dark brown silt and minor clay -patches of pink and dark grey silt (granite/granodiorite gneiss xenoliths?) -probably a dike with gneiss residuum xenoliths, possibly pyroxenite or carbonatite residuum, or gneiss residuum of unusual composition -moderately formed and unformed core -lower contact in lost core	47 %
102.5 m	105.5 m	3.0 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 8.4-22.3m but with banding at 50-75° to CA and unformed to well formed core -lower contact in lost core -104.2-105.4 - slightly hardened core to strongly weathered granite/granodiorite gneiss pieces locally @104.7 - a band of medium brown silt at 75° to CA - probably pyroxenite dike residuum	77 %

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Lithological Descriptions

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AGR-04-242

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Start Date 11/18/2004

East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
105.5 m	107.8 m	2.3 m	720	<p>PYROXENITE RESIDUUM AND WEATHERED PYROXENITE</p> <ul style="list-style-type: none">-medium and dark brown, yellow tan, and medium to dark green grey blue silt and minor clay that is locally moderately magnetic especially in green grey blue sections-probably pyroxenite residuum-25% medium and dark blue grey green to dark green grey with common medium grained to coarse grained cream to pink mottles, soft, weathered pyroxenite pieces with local solid core that are moderately to strongly weathered, with orange brown patches and bands that have become silt, and non-magnetic, found especially towards top of unit-core is jumbled-poorly formed, well formed with pieces ≤ 10cm and minor unformed core-lower contact sharp at 80° to CA105.5-106.5 - dominantly weathered pyroxenite pieces107.1-107.2 - a 5cm band of granite/granodiorite gneiss residuum with remanent gneiss pieces (≤ 2cm)<ul style="list-style-type: none">- a possible upper contact at 55° to CA with lower contact in lost core- possibly contamination with pieces from elsewhere in box	83 %

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Kapuskasing Phosphate Operation

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East 367040.1

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Proposed Depth

Actual Depth 116

Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
107.8 m	108.5 m	0.7 m	720	WEATHERED PYROXENITE AND PYROXENITE RESIDUUM AND GRANITE/GRANODIORITE GNEISS RESIDUUM -a mix of units as listed probably due to smaller dikes off the main dike above -well formed, poorly formed, and unformed core -lower contact in lost core 107.8-108.0 - granite/granodiorite gneiss residuum as 8.4-22.3m - lower contact at 50° to CA 108.0-108.2 - pyroxenite residuum and weathered pyroxenite as 105.5-107.8m - lower contact in lost or broken core 108.2-108.3 - granite/granodiorite gneiss residuum 108.3-108.5 - abundant pyroxenite residuum (dark brown silt) and weathered pyroxenite pieces (dark green grey blue), and common granite/granodiorite gneiss residuum and weathered gneiss pieces - a mixed zone possibly with some jumbled core	93 %
108.5 m	111.5 m	3.0 m	720	WEATHERED GRANITE/GRANODIORITE GNEISS PIECES AND GNEISS RESIDUUM -similar to 94.0-101.0m but with 50% pieces and 50% residuum -lower contact in lost core 110.8-111.5 - 80% weathered gneiss pieces (≤5cm)	25 %
111.5 m	116.0 m	4.5 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -as 8.4-22.3m -unformed to moderately formed core	32 %

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East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
116.0				END OF HOLE	%

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Drill Hole ID
AGR-04-242

North 5461602.66

Start Date 11/18/2004

East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161609	8.40	9.50	1.10	0.31	7.34	2.13	14.97	55.46	2.11	0.65	0.343	Granite/Granodiorite Gneiss Residuum
A161610	9.50	11.00	1.50	0.04	3.45	1.04	16.05	65.01	2.67	0.35	0.191	Granite/Granodiorite Gneiss Residuum
A161611	11.00	12.50	1.50	0.03	5.43	1.09	16.78	58.91	2.42	0.48	0.139	Granite/Granodiorite Gneiss Residuum
A161612	12.50	13.25	0.75	0.04	7.91	1.37	15.48	55.74	2.35	0.64	0.135	Granite/Granodiorite Gneiss Residuum
A161613	13.25	14.00	0.75	0.02	5.07	1.14	15.60	62.10	2.32	0.51	0.122	Granite/Granodiorite Gneiss Residuum
A161614	14.00	15.50	1.50	0.01	2.87	0.83	15.17	67.82	1.94	0.35	0.107	Granite/Granodiorite Gneiss Residuum
A161615	15.50	16.25	0.75	0.03	3.49	1.07	16.32	63.75	1.75	0.44	0.11	Granite/Granodiorite Gneiss Residuum
A161616	16.25	17.00	0.75	-0.02	2.86	0.90	15.65	65.94	0.95	0.33	0.062	Granite/Granodiorite Gneiss Residuum
A161617	17.00	18.50	1.50	0.01	3.98	0.99	16.14	63.55	1.33	0.45	0.12	Granite/Granodiorite Gneiss Residuum
A161618	18.50	20.00	1.50	0.05	4.83	1.12	16.58	60.41	1.90	0.44	0.225	Granite/Granodiorite Gneiss Residuum
A161619	20.00	20.75	0.75	0.18	8.52	1.30	16.22	53.25	1.98	0.77	0.551	Granite/Granodiorite Gneiss Residuum
A161620	20.75	21.50	0.75	0.14	3.21	0.84	16.06	64.50	2.27	0.43	0.269	Granite/Granodiorite Gneiss Residuum
A161621	21.50	22.30	0.80	0.00	4.65	0.70	15.11	64.80	1.87	0.38	0.273	Granite/Granodiorite Gneiss Residuum
A161622	22.30	23.00	0.70	0.37	15.94	2.03	13.02	43.33	2.30	2.21	0.751	Pyroxenite/Carbonatite Dike Residuum
A161623	23.00	23.75	0.75	0.46	16.37	2.39	14.00	43.66	1.58	2.89	0.846	Pyroxenite/Carbonatite Dike Residuum
A161624	23.75	24.50	0.75	0.50	17.89	2.20	13.69	44.49	2.04	2.63	2.06	Pyroxenite/Carbonatite Dike Residuum
A161625	24.50	25.10	0.60	0.57	21.59	1.57	13.32	41.70	1.73	2.53	6.47	Pyroxenite/Carbonatite Dike Residuum
A161626	25.10	26.00	0.90	0.03	9.85	1.26	15.17	54.76	1.57	0.64	0.833	Granite/Granodiorite Gneiss Residuum
A161627	26.00	27.50	1.50	0.05	4.33	1.06	16.22	63.24	1.68	0.50	0.174	Granite/Granodiorite Gneiss Residuum
A161628	27.50	29.00	1.50	0.02	4.57	1.01	15.98	62.70	1.40	0.49	0.133	Granite/Granodiorite Gneiss Residuum
A161629	29.00	30.50	1.50	-0.01	2.94	0.73	15.39	67.33	1.24	0.34	0.187	Granite/Granodiorite Gneiss Residuum
A161630	30.50	32.00	1.50	0.05	3.65	0.95	16.27	64.85	1.90	0.45	0.384	Granite/Granodiorite Gneiss Residuum

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-242

North 5461602.66

Start Date 11/18/2004

East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161631	32.00	33.50	1.50	0.17	7.75	1.79	17.85	52.19	1.92	0.84	0.903	Granite/Granodiorite Gneiss Residuum
A161632	33.50	35.20	1.70	0.05	5.40	0.95	14.94	64.80	0.70	0.39	0.637	Granite/Granodiorite Gneiss Residuum
A161633	35.20	36.50	1.30	0.10	6.74	1.12	16.09	59.63	1.31	0.65	0.313	Granite/Granodiorite Gneiss Residuum
A161634	36.50	37.25	0.75	0.25	5.32	1.10	17.76	58.15	2.33	0.84	0.418	Granite/Granodiorite Gneiss Residuum
A161635	37.25	38.00	0.75	0.04	7.95	1.64	16.93	55.08	1.76	0.73	0.212	Granite/Granodiorite Gneiss Residuum
A161636	38.00	38.75	0.75	0.17	5.27	1.06	17.99	58.43	2.18	0.73	0.505	Granite/Granodiorite Gneiss Residuum
A161637	38.75	39.50	0.75	0.12	5.09	1.06	17.72	58.11	2.04	0.55	0.207	Granite/Granodiorite Gneiss Residuum
A161638	39.50	40.25	0.75	0.21	6.32	1.53	18.59	53.72	2.65	0.70	0.148	Granite/Granodiorite Gneiss Residuum
A161639	40.25	41.00	0.75	0.06	4.51	1.09	16.39	63.16	2.44	0.45	0.125	Granite/Granodiorite Gneiss Residuum
A161640	41.00	42.50	1.50	0.09	4.33	0.94	17.07	63.34	2.33	0.45	0.186	Granite/Granodiorite Gneiss Residuum
A161641	42.50	43.25	0.75	0.06	7.98	1.24	16.41	54.11	1.86	0.70	0.218	Granite/Granodiorite Gneiss Residuum
A161642	43.25	44.00	0.75	0.22	7.61	1.21	15.89	55.48	1.68	0.69	0.137	Granite/Granodiorite Gneiss Residuum
A161643	44.00	45.50	1.50	0.05	9.66	1.06	16.18	52.80	1.75	0.72	0.246	Granite/Granodiorite Gneiss Residuum
A161644	45.50	47.00	1.50	0.15	6.85	1.41	16.24	56.46	1.98	0.55	0.433	Granite/Granodiorite Gneiss Residuum
A161645	47.00	48.50	1.50	0.26	17.10	1.73	13.22	47.51	2.40	3.25	2.56	Granite/Granodiorite Gneiss Residuum and Common Pyroxenite Dike Residuum
A161646	48.50	49.40	0.90	0.14	8.12	1.22	15.47	55.85	1.88	1.13	0.892	Granite/Granodiorite Gneiss Residuum
A161647	49.40	50.00	0.60	0.37	19.10	1.68	12.73	46.40	1.97	3.77	2.2	Pyroxenite Dike Residuum
A161648	50.00	51.50	1.50	0.05	4.77	0.85	16.04	62.07	1.97	0.52	0.23	Granite/Granodiorite Gneiss Residuum
A161649	51.50	53.00	1.50	-0.05	2.38	0.60	14.78	69.96	1.35	0.23	0.112	Granite/Granodiorite Gneiss Residuum
A161650	53.00	54.50	1.50	0.08	4.22	0.94	15.79	64.86	2.55	0.44	0.174	Granite/Granodiorite Gneiss Residuum
A161651	54.50	55.25	0.75	0.03	3.50	0.73	15.40	66.71	2.05	0.40	0.143	Granite/Granodiorite Gneiss Residuum
A161652	55.25	56.00	0.75	0.00	3.26	0.81	16.10	66.39	2.22	0.34	0.102	Granite/Granodiorite Gneiss Residuum

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Kapuskasing Phosphate Operation
Exploration Drilling

Assay Results

Drill Hole ID
AGR-04-242

North 5461602.66

Start Date 11/18/2004

East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 0

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161653	56.00	57.50	1.50	0.11	4.81	1.40	15.40	62.80	2.17	0.48	0.627	Granite/Granodiorite Gneiss Residuum
A161654	57.50	59.00	1.50	0.01	4.59	0.90	15.26	64.86	1.94	0.43	0.37	Granite/Granodiorite Gneiss Residuum
A161655	59.00	59.75	0.75	0.03	3.97	0.86	15.62	66.70	1.97	0.49	0.469	Granite/Granodiorite Gneiss Residuum
A161656	59.75	60.50	0.75	0.10	4.34	0.83	16.28	64.02	2.15	0.47	0.388	Granite/Granodiorite Gneiss Residuum
A161657	60.50	62.00	1.50	0.19	6.61	1.56	15.44	59.52	2.24	0.55	0.183	Granite/Granodiorite Gneiss Residuum
A161658	62.00	63.50	1.50	0.18	9.34	1.14	18.24	54.57	1.73	0.86	0.76	Granite/Granodiorite Gneiss Residuum
A161659	63.50	65.00	1.50	0.09	7.61	1.18	17.24	55.48	1.59	0.73	0.448	Granite/Granodiorite Gneiss Residuum
A161660	65.00	65.75	0.75	0.12	5.99	0.88	17.22	59.37	1.64	0.66	0.58	Granite/Granodiorite Gneiss Residuum
A161661	65.75	66.50	0.75	0.00	3.48	0.87	16.01	65.69	1.34	0.43	0.221	Granite/Granodiorite Gneiss Residuum
A161662	66.50	67.25	0.75	0.08	6.18	1.56	15.57	61.53	1.10	0.79	1.22	Granite/Granodiorite Gneiss Residuum
A161663	67.25	68.00	0.75	0.09	6.59	1.52	15.77	60.52	1.12	0.52	0.249	Granite/Granodiorite Gneiss Residuum
A161664	68.00	68.75	0.75	-0.01	3.71	0.91	16.33	65.55	1.45	0.44	0.382	Granite/Granodiorite Gneiss Residuum
A161665	68.75	69.50	0.75	-0.02	4.01	0.76	16.07	65.33	1.91	0.43	0.472	Granite/Granodiorite Gneiss Residuum
A161666	71.00	72.50	1.50	0.03	5.48	2.19	14.53	62.00	1.24	0.50	0.466	Granite/Granodiorite Gneiss Residuum
A161667	72.50	72.80	0.30	0.23	16.51	5.38	12.06	45.22	1.49	1.23	0.16	Brown Silt (Pyroxenite Dike Residuum)
A161668	72.80	74.00	1.20	0.11	5.60	2.03	14.81	60.97	0.75	0.47	0.165	Granite/Granodiorite Gneiss Residuum
A161669	74.00	74.75	0.75	0.22	7.28	3.09	15.00	54.89	1.27	0.63	0.142	Granite/Granodiorite Gneiss Residuum
A161670	74.75	75.50	0.75	0.19	5.93	2.52	16.09	57.09	1.50	0.55	0.12	Granite/Granodiorite Gneiss Residuum
A161671	75.50	76.25	0.75	0.20	4.06	1.56	16.70	58.42	1.29	0.42	0.116	Granite/Granodiorite Gneiss Residuum
A161672	76.25	77.00	0.75	0.19	4.52	1.53	15.72	59.72	1.32	0.41	0.142	Granite/Granodiorite Gneiss Residuum
A161673	77.00	78.50	1.50	0.19	5.04	1.70	16.10	57.66	1.63	0.45	0.168	Granite/Granodiorite Gneiss Residuum
A161674	78.50	80.00	1.50	0.36	7.81	1.88	16.18	50.00	2.54	0.74	0.175	Granite/Granodiorite Gneiss Residuum

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Kapuskasing Phosphate Operation

Exploration Drilling

Assay Results

Drill Hole ID
AGR-04-242

North 5461602.66

Start Date 11/18/2004

East 367040.1

End Date 11/21/2004

Elevation 227.85

Proposed Depth

Actual Depth 116

Number of Boxes 0

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161675	80.00	81.50	1.50	0.39	8.53	2.29	15.79	47.56	2.59	0.82	0.106	Granite/Granodiorite Gneiss Residuum
A161676	81.50	83.00	1.50	0.11	5.29	1.40	16.27	56.79	2.01	0.53	0.324	Granite/Granodiorite Gneiss Residuum
A161677	83.00	84.50	1.50	0.19	5.11	1.56	16.23	56.64	2.24	0.52	0.149	Granite/Granodiorite Gneiss Residuum
A161678	84.50	85.25	0.75	0.33	7.34	2.13	15.44	52.14	2.26	0.88	1.68	Granite/Granodiorite Gneiss Residuum
A161679	85.25	86.00	0.75	0.23	7.52	2.45	14.41	52.47	2.28	0.74	0.282	Granite/Granodiorite Gneiss Residuum
A161680	86.00	86.75	0.75	0.24	5.21	1.89	16.12	54.57	2.13	0.52	0.177	Granite/Granodiorite Gneiss Residuum
A161681	86.75	87.50	0.75	0.24	6.10	2.22	15.70	51.36	2.47	0.56	0.178	Granite/Granodiorite Gneiss Residuum
A161682	87.50	89.00	1.50	0.13	4.59	1.78	16.18	55.66	2.61	0.39	0.145	Granite/Granodiorite Gneiss Residuum
A161683	89.00	89.75	0.75	0.32	7.35	2.47	15.24	51.37	2.22	0.64	0.497	Granite/Granodiorite Gneiss Residuum
A161684	89.75	90.50	0.75	0.32	7.77	2.75	14.80	50.92	2.41	0.71	0.292	Granite/Granodiorite Gneiss Residuum
A161685	90.50	91.25	0.75	0.22	5.86	2.27	15.62	53.88	2.59	0.55	0.243	Granite/Granodiorite Gneiss Residuum
A161686	91.25	92.00	0.75	0.20	5.64	2.13	15.29	55.46	2.59	0.53	0.133	Granite/Granodiorite Gneiss Residuum
A161687	92.00	93.30	1.30	0.23	5.06	2.01	15.43	56.41	3.22	0.43	0.349	Granite/Granodiorite Gneiss Residuum
A161688	93.30	94.00	0.70	3.45	12.91	6.70	10.32	38.17	5.43	0.94	2.77	Dark Brown Clay and Silt (Pyroxenite Dike Residuum)
A161689	94.00	95.00	1.00	0.25	5.47	1.82	14.01	59.38	2.01	0.39	1.06	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161690	95.00	96.50	1.50	-0.02	4.89	1.56	15.27	59.27	1.73	0.42	0.847	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161691	96.50	98.00	1.50	0.01	5.02	2.01	14.56	57.67	1.97	0.52	0.943	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161692	98.00	99.50	1.50	0.02	5.02	1.96	13.92	60.89	2.02	0.48	0.437	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161693	99.50	101.00	1.50	0.00	4.41	1.53	13.96	63.00	2.22	0.42	0.366	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161694	101.00	102.50	1.50	0.59	6.73	3.10	13.71	55.84	1.84	0.61	1.24	Tan Silt and Minor Clay (Dike?)
A161695	102.50	103.25	0.75	0.03	3.57	1.37	17.15	58.58	1.72	0.30	0.163	Granite/Granodiorite Gneiss Residuum
A161696	103.25	104.00	0.75	0.05	4.84	1.47	17.76	53.27	2.84	0.40	0.209	Granite/Granodiorite Gneiss Residuum

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Assay Results

Drill Hole ID
AGR-04-242

North 5461602.66
East 367040.1
Elevation 227.85

Start Date 11/18/2004
End Date 11/21/2004

Proposed Depth
Actual Depth 116
Number of Boxes 0

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161697	104.00	104.75	0.75	0.09	5.26	1.59	15.94	56.04	3.07	0.48	0.27	Granite/Granodiorite Gneiss Residuum
A161698	104.75	105.50	0.75	0.07	4.64	1.57	16.02	57.08	2.27	0.48	0.794	Granite/Granodiorite Gneiss Residuum
A161699	105.50	106.25	0.75	0.36	17.50	4.30	10.26	39.83	3.79	2.35	1.68	Pyroxenite Residuum and Weathered Pyroxenite
A161700	106.25	107.00	0.75	0.38	16.86	4.67	9.93	38.48	4.23	2.31	2.65	Pyroxenite Residuum and Weathered Pyroxenite
A161701	107.00	107.80	0.80	0.49	15.93	5.54	10.69	41.42	2.57	2.12	3.1	Pyroxenite Residuum and Weathered Pyroxenite
A161702	107.80	108.00	0.20	0.01	7.66	2.58	18.06	48.55	2.39	0.64	0.343	Granite/Granodiorite Gneiss Residuum
A161703	108.00	108.20	0.20	0.28	13.06	3.64	11.73	43.56	4.20	1.71	0.995	Pyroxenite Residuum and Weathered Pyroxenite
A161704	108.20	108.50	0.30	0.22	8.50	3.56	13.81	52.03	2.39	0.93	1.22	Pyroxenite Residuum and Weathered Pieces and Granite/Granodiorite Gneiss Residuum
A161705	108.50	110.00	1.50	0.09	5.34	1.83	15.78	55.72	2.95	0.55	0.34	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161706	110.00	111.50	1.50	0.05	4.78	1.66	15.34	56.86	3.70	0.47	0.208	Weathered Granite/Granodiorite Gneiss Pieces and Residuum
A161707	111.50	113.00	1.50	0.00	3.94	1.79	20.31	54.31	2.98	0.32	0.299	Granite/Granodiorite Gneiss Residuum
A161708	113.00	114.50	1.50	-0.08	2.71	1.26	20.57	56.88	2.35	0.18	0.091	Granite/Granodiorite Gneiss Residuum
A161709	114.50	115.25	0.75	-0.01	4.76	1.61	15.95	59.05	3.74	0.52	0.296	Granite/Granodiorite Gneiss Residuum
A161710	115.25	116.00	0.75	0.03	4.51	1.82	16.81	56.24	2.85	0.37	0.151	Granite/Granodiorite Gneiss Residuum

Northing: 5461640.53
Easting: 367087.30
Elevation: 224.57
Depth: 91
Azimuth: 0
Dip: -90

Drillhole Attitude Tests: No

Township: Cargill
Claim number: P413078/104395/CLM300
Drilling Contractor: Norex Drilling
Drilling Start Date: 11/21/2004
Drilling End Date: 11/23/2004
Core Size: HQ
Casing: No
Hole Cemented: No
Why drillhole terminated: In bedrock
Logged by: M. Stalker
Date Logged: 12/6/2004
Number of boxes: 16
Number of assays: 88
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	3.5	Lost Core
3.5	6.5	Till
6.5	78.5	Gneiss Residium
78.5	91.0	Gneiss
91.0		End of Hole

M. Stalker

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-243

North 5461640.53

Start Date 11/21/2004

East 367087.3

End Date 11/23/2004

Elevation 224.57

Proposed Depth

Actual Depth 91

Number of Boxes 16

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	3.5 m	3.5 m	799	LOST CORE	0 %
3.5 m	6.0 m	2.5 m	717	BOULDERS (TILL) -heterogenous subround to angular boulders (≤ 8 cm) without silt or clay -lower contact in lost core	8 %
6.0 m	6.5 m	0.5 m	717	BOULDER TILL -light brown clay and silt with 10% heterogenous subround to angular boulders (≤ 2.5 cm) -common sand sized granite/granodiorite gneiss residuum towards lower contact and lower contact may actually be higher in drillhole -poorly formed core -lower contact in lost core	10 %

Agrium

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From	To	Length	Lithological Code	Description	% Recovery
6.5 m	63.5 m	57.0 m	720	<p>GRANITE/GRANODIORITE GNEISS RESIDUUM</p> <ul style="list-style-type: none"> -tan, cream, and common pink to locally brick red and dull khaki green crumbly silt, clay, sand, and minor hard remnants of granite/granodiorite gneiss residuum -more tan coloured and more clay content than typical gneiss residuum -locally tan, cream, orange brown, and dark brown silt sections that may be carbonatite/pyroxenite dike residuum (as listed) but difficult to distinguish from gneiss residuum and possibly all gneiss residuum of different composition -unformed to moderately formed core, mainly poorly formed core -lower contact in lost core 15.4-16.2 - tan, medium brown, cream, and minor orange brown and green silt with common gneiss residuum <ul style="list-style-type: none"> - possibly a mix of gneiss residuum and carbonatite dike residuum or all gneiss residuum - upper contact sharp at 80° to CA, lower contact sharp at 90° to CA 17.6-19.1 - abundant cream and tan silt and minor dark brown silt with minor gneiss residuum <ul style="list-style-type: none"> - appears to be low angle carbonatite dike residuum with bands (xenoliths) of gneiss residuum but possibly all gneiss residuum - upper contact at 10° to CA, lower contact at 35° to CA 19.7-20.4 - common tan, cream, orange brown, and minor medium to dark brown silt with common gneiss residuum <ul style="list-style-type: none"> - appears to be a mix of carbonatite dike residuum and gneiss residuum but possibly all gneiss residuum - upper contact at 90° to CA, lower contact in lost core 23.0-23.9 - tan, cream and minor dark brown sandy silt <ul style="list-style-type: none"> - possibly carbonatite dike residuum or gneiss residuum - both contacts in lost core 26.0-27.1 - common cream, tan, orange brown, and medium brown silt <ul style="list-style-type: none"> - probably mafic mineral rich gneiss residuum but possibly carbonatite dike residuum 29.0-30.7 - cream, tan, and light to medium brown fine grained silt and common gneiss residuum <ul style="list-style-type: none"> - possibly carbonatite/pyroxenite residuum with gneiss residuum xenoliths or all gneiss residuum 	49 %

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Number of Boxes 16

Start Date 11/21/2004

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From	To	Length	Lithological Code	Description	% Recovery
				- upper contact in lost core, lower contact sharp at 40° to CA	
				36.6-37.1 - pale grey green, tan, and minor orange brown silt	
				- probably pyroxenite/carbonatite dike residuum, possibly gneiss residuum	
				- upper contact at 80° to CA, lower contact at 50° to CA	
				41.0-50.0 - Granite/Granodiorite Gneiss Residuum Sand	
				- unit is weathered to sand with rare coarser granite gneiss remanants pieces	
				- unformed core	
				51.5-53.0 - Granite/Granodiorite Gneiss Residuum Sand	
				- as 41.0-50.0m	
				54.9-55.6 - medium and dark brown, tan, cream, and minor orange brown and medium grey silt	
				- grey silt is in a 2cm band in broken core at 54.9m	
				- possibly carbonatite residuum or gneiss residuum	
				- moderately formed core	
				- upper contact in lost core, lower contact is difficult to choose as gneiss residuum below is clay rich and of similar colour and with abundant slickensides	
				57.5-63.5 - abundant light to medium lime green and dark grey green; and pink to brick red gneiss residuum	
				- with coarser granite/granodiorite gneiss remanants and increase in clay content	
				59.0-59.4 - common dark grey brown silt	
63.5 m	65.0 m	1.5 m	799	LOST CORE	0 %

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Actual Depth 91

Number of Boxes 16

From	To	Length	Lithological Code	Description	% Recovery
65.0 m	69.5 m	4.5 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM 65.0-66.5 - orange to rusty brown and dark grey green silt with common brick red granite/granodiorite gneiss remanents - possibly with pyroxenite residuum but probably iron rich gneiss residuum 66.5-69.5 - Granite/Granodiorite Gneiss Residuum Sand - as 41.0-50.0m	23 %
69.5 m	78.5 m	9.0 m	720	FRACTURED WEATHERED GRANITE/GRANODIORITE GNEISS AND MINOR GNEISS RESIDUUM -cream (quartz and feldspar), pink (feldspar), and dark green mafic minerals, coarse grained (≤ 0.5 cm dark green mafic mineral), granite/granodiorite gneiss pieces with gneissic banding of colours at 50° - 70° to CA, weakly to strongly weathered locally, mainly moderately to well fractured with minor slightly fractured solid core sections -ranges from granitic to granodioritic in composition -10% granite/granodiorite gneiss residuum as 57.5-63.5m found in local sections especially towards top of unit -well formed pieces (≤ 32 cm), poorly formed, and unformed core -lower contact chosen at last section of gneiss residuum, contact in lost core	38 %
78.5 m	81.7 m	3.2 m	709	FRACTURED WEATHERED GRANITE/GRANODIORITE GNEISS -similar to 69.5-78.5m but without residuum and common solid core sections -mafic minerals commonly altering to chlorite -well formed pieces (≤ 18 cm)	91 %

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-243

North 5461640.53

Start Date 11/21/2004

East 367087.3

End Date 11/23/2004

Elevation 224.57

Proposed Depth

Actual Depth 91

Number of Boxes 16

From	To	Length	Lithological Code	Description	% Recovery
81.7 m	91.0 m	9.3 m	709	GRANITE/GRANODIORITE GNEISS -similar to 78.5-81.7m but only weakly fractured locally and slightly weathered to fresh -with granitic sections that are more felsic and less gneissic and with granodioritic sections that are more mafic and have a strong gneissic texture -gneissic banding from 50°-90° to CA but mainly 60-70° to CA -well formed pieces ≤36cm 85.7-86.0 - SAMPLE A126587 TAKEN FOR STRENGTH TESTING 89.2-89.9 - joint at 0-15° to CA filled with dark green mineral (≤0.5cm wide) that has caused 0.5-1cm of alteration on either side of joint	96 %
91.0				END OF HOLE	%

Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-243

North 5461640.53

Start Date 11/21/2004

East 367087.3

End Date 11/23/2004

Elevation 224.57

Proposed Depth

Actual Depth 91

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161711	6.50	8.00	1.50	0.09	4.71	1.18	16.16	62.77	1.30	0.47	0.88	Granite/Granodiorite Gneiss Residuum
A161712	8.00	9.50	1.50	0.03	5.10	1.28	16.81	61.70	1.21	0.50	0.095	Granite/Granodiorite Gneiss Residuum
A161713	9.50	11.00	1.50	0.13	5.79	1.37	16.91	61.44	0.91	0.67	0.34	Granite/Granodiorite Gneiss Residuum
A161714	11.00	11.75	0.75	0.19	5.47	1.33	18.00	59.59	1.19	0.76	0.389	Granite/Granodiorite Gneiss Residuum
A161715	11.75	12.50	0.75	0.06	7.65	1.49	17.02	56.68	1.14	0.68	0.395	Granite/Granodiorite Gneiss Residuum
A161716	12.50	13.25	0.75	0.28	6.60	1.33	17.60	57.33	1.38	0.83	0.58	Granite/Granodiorite Gneiss Residuum
A161717	13.25	14.00	0.75	0.06	4.67	1.09	17.57	60.95	1.14	0.48	0.37	Granite/Granodiorite Gneiss Residuum
A161718	14.00	14.75	0.75	0.05	4.56	1.07	17.08	63.48	1.08	0.49	0.24	Granite/Granodiorite Gneiss Residuum
A161719	14.75	15.40	0.65	0.05	4.38	1.21	17.54	61.42	0.90	0.52	0.256	Granite/Granodiorite Gneiss Residuum
A161720	15.40	16.20	0.80	0.03	5.37	1.52	16.10	62.15	0.91	0.44	0.972	Granite/Granodiorite Gneiss Residuum
A161721	16.20	17.00	0.80	0.00	3.96	1.17	15.19	65.64	0.58	0.37	0.182	Granite/Granodiorite Gneiss Residuum
A161722	17.00	17.60	0.60	-0.01	3.58	1.23	15.49	65.13	0.56	0.36	0.118	Granite/Granodiorite Gneiss Residuum
A161723	17.60	19.10	1.50	0.34	5.14	1.45	16.02	60.59	0.97	0.48	0.313	Granite/Granodiorite Gneiss Residuum
A161724	19.10	19.70	0.60	0.05	6.15	1.40	16.27	61.20	0.89	0.40	0.143	Granite/Granodiorite Gneiss Residuum
A161725	19.70	20.40	0.70	0.03	4.27	1.32	16.73	61.96	0.73	0.38	0.221	Granite/Granodiorite Gneiss Residuum
A161726	20.40	21.50	1.10	0.19	5.55	1.28	15.99	59.48	0.98	0.54	0.795	Granite/Granodiorite Gneiss Residuum
A161727	21.50	23.00	1.50	0.02	5.97	1.68	15.58	60.24	0.92	0.44	0.318	Granite/Granodiorite Gneiss Residuum
A161728	23.00	23.90	0.90	0.11	7.22	1.98	15.87	57.57	1.00	0.61	0.448	Granite/Granodiorite Gneiss Residuum
A161729	23.90	24.50	0.60	0.07	5.08	1.24	15.16	64.41	0.99	0.47	0.452	Granite/Granodiorite Gneiss Residuum
A161730	24.50	26.00	1.50	0.06	6.19	1.77	16.66	58.57	1.36	0.55	0.392	Granite/Granodiorite Gneiss Residuum
A161731	26.00	27.10	1.10	0.14	8.61	2.51	16.18	53.96	1.38	0.68	1.04	Granite/Granodiorite Gneiss Residuum
A161732	27.10	27.50	0.40	0.07	6.18	1.68	16.31	56.81	2.18	0.53	0.462	Granite/Granodiorite Gneiss Residuum

Monday, October 30, 2006

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-243

North 5461640.53

Start Date 11/21/2004

East 367087.3

End Date 11/23/2004

Elevation 224.57

Proposed Depth

Actual Depth 91

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161733	27.50	28.25	0.75	0.14	8.79	1.75	16.97	53.67	1.57	0.77	0.227	Granite/Granodiorite Gneiss Residuum
A161734	28.25	29.00	0.75	0.04	6.76	1.84	16.66	56.91	1.14	0.57	0.125	Granite/Granodiorite Gneiss Residuum
A161735	29.00	29.75	0.75	0.05	7.60	2.61	15.83	55.95	1.07	0.63	0.177	Granite/Granodiorite Gneiss Residuum
A161736	29.75	30.70	0.95	0.15	6.54	2.33	16.02	56.38	0.99	0.60	0.181	Granite/Granodiorite Gneiss Residuum
A161737	30.70	31.25	0.55	0.28	6.68	2.76	16.15	53.11	1.06	0.56	0.1	Granite/Granodiorite Gneiss Residuum
A161738	31.25	32.00	0.75	0.28	6.85	2.81	15.92	53.74	1.13	0.59	0.113	Granite/Granodiorite Gneiss Residuum
A161739	32.00	33.50	1.50	0.35	6.76	2.57	15.80	54.52	1.45	0.61	0.142	Granite/Granodiorite Gneiss Residuum
A161740	33.50	34.25	0.75	0.35	5.88	2.00	15.17	57.53	1.69	0.55	0.135	Granite/Granodiorite Gneiss Residuum
A161741	34.25	35.00	0.75	0.42	7.58	2.63	15.32	53.41	1.79	0.75	0.124	Granite/Granodiorite Gneiss Residuum
A161742	35.00	35.75	0.75	0.31	6.93	2.92	15.29	54.61	1.53	0.63	0.202	Granite/Granodiorite Gneiss Residuum
A161743	35.75	36.60	0.85	0.33	6.42	2.58	15.71	54.61	1.69	0.55	0.2	Granite/Granodiorite Gneiss Residuum
A161744	36.60	37.10	0.50	0.49	16.22	2.97	13.71	44.59	1.78	2.64	0.768	Pyroxenite/Carbonatite Dike Residuum
A161745	37.10	38.00	0.90	0.14	4.76	1.57	17.42	55.05	1.46	0.39	0.229	Granite/Granodiorite Gneiss Residuum
A161746	38.00	39.50	1.50	0.29	7.09	2.45	15.27	55.14	1.53	0.62	0.16	Granite/Granodiorite Gneiss Residuum
A161747	39.50	41.00	1.50	0.36	7.30	2.69	15.21	53.13	2.10	0.77	0.204	Granite/Granodiorite Gneiss Residuum
A161748	41.00	42.50	1.50	0.74	3.62	1.94	11.82	58.64	6.15	0.27	1.45	Granite/Granodiorite Gneiss Residuum
A161749	42.50	44.00	1.50	1.56	4.82	3.12	10.00	45.72	12.08	0.33	5.42	Granite/Granodiorite Gneiss Residuum
A161750	44.00	45.50	1.50	0.37	5.27	2.22	14.98	54.52	3.30	0.48	0.789	Granite/Granodiorite Gneiss Residuum
A161751	45.50	47.00	1.50	0.67	5.35	1.68	13.75	57.52	3.95	0.43	2.5	Granite/Granodiorite Gneiss Residuum
A161752	47.00	48.50	1.50	0.92	4.84	1.63	13.02	56.69	5.39	0.41	1.14	Granite/Granodiorite Gneiss Residuum
A161753	48.50	49.25	0.75	0.42	3.75	1.07	14.77	62.20	2.60	0.28	0.991	Granite/Granodiorite Gneiss Residuum
A161754	49.25	50.00	0.75	0.82	3.67	1.17	13.71	60.64	3.97	0.26	1.66	Granite/Granodiorite Gneiss Residuum

Monday, October 30, 2006

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Kapuskasing Phosphate Operation Exploration Drilling

Drill Hole ID
AGR-04-243

North 5461640.53

Start Date 11/21/2004

East 367087.3

End Date 11/23/2004

Elevation 224.57

Proposed Depth

Actual Depth 91

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161755	50.00	51.50	1.50	0.47	6.26	2.21	15.33	55.84	1.85	0.56	0.171	Granite/Granodiorite Gneiss Residuum
A161756	51.50	52.25	0.75	0.67	3.71	1.51	13.98	57.46	4.77	0.26	3.46	Granite/Granodiorite Gneiss Residuum
A161757	52.25	53.00	0.75	0.51	3.96	1.46	14.21	59.90	3.48	0.27	1.78	Granite/Granodiorite Gneiss Residuum
A161758	53.00	53.75	0.75	0.37	5.80	2.49	15.80	54.36	1.80	0.47	0.273	Granite/Granodiorite Gneiss Residuum
A161759	53.75	54.50	0.75	0.36	6.36	2.65	15.53	54.14	1.60	0.51	0.274	Granite/Granodiorite Gneiss Residuum
A161760	54.50	54.90	0.40	0.34	5.68	1.99	15.88	55.00	2.26	0.43	0.334	Granite/Granodiorite Gneiss Residuum
A161761	54.90	55.60	0.70	0.68	8.42	3.15	14.81	50.29	2.16	0.58	0.348	Granite/Granodiorite Gneiss Residuum or Carbonatite Dike Residuum
A161762	55.60	56.00	0.40	0.57	6.58	2.11	16.90	50.22	2.34	0.54	0.13	Granite/Granodiorite Gneiss Residuum
A161763	56.00	57.50	1.50	0.13	3.70	1.06	17.61	53.91	2.36	0.24	0.12	Granite/Granodiorite Gneiss Residuum
A161764	57.50	58.25	0.75	0.17	3.46	1.23	18.00	53.62	2.79	0.31	0.114	Granite/Granodiorite Gneiss Residuum
A161765	58.25	59.00	0.75	0.08	2.33	0.75	18.59	55.81	2.08	0.19	0.077	Granite/Granodiorite Gneiss Residuum
A161766	59.00	59.40	0.40	0.78	8.19	2.77	15.12	47.36	2.78	0.78	0.793	Granite/Granodiorite Gneiss Residuum and Pyroxenite/Carbonatite Dike Residuum
A161767	59.40	60.50	1.10	0.62	6.92	1.90	15.03	49.50	3.86	0.54	0.181	Granite/Granodiorite Gneiss Residuum
A161768	60.50	62.00	1.50	1.11	8.44	2.33	13.42	47.43	5.06	0.62	0.208	Granite/Granodiorite Gneiss Residuum
A161769	62.00	62.75	0.75	2.02	11.97	2.73	11.20	42.65	6.07	0.88	0.205	Granite/Granodiorite Gneiss Residuum
A161770	62.75	63.50	0.75	0.33	6.01	1.60	16.09	51.00	3.34	0.65	0.23	Granite/Granodiorite Gneiss Residuum
A161771	65.00	66.50	1.50	0.28	9.96	2.16	13.69	47.30	3.38	1.02	0.291	Granite/Granodiorite Gneiss Residuum (Orange and Red)/Pyroxenite Residuum
A161772	66.50	68.00	1.50	0.14	3.51	0.97	13.50	64.35	3.03	0.30	0.643	Granite/Granodiorite Gneiss Residuum
A161773	68.00	69.50	1.50	0.16	3.70	0.89	14.43	65.66	1.73	0.31	0.432	Granite/Granodiorite Gneiss Residuum
A161774	69.50	71.00	1.50	0.15	5.26	1.99	14.89	55.24	4.21	0.51	0.169	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum
A161775	71.00	72.50	1.50	0.24	5.89	2.46	14.46	52.39	4.88	0.60	0.215	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum
A161776	72.50	74.00	1.50	0.18	6.04	2.11	14.77	52.21	3.86	0.55	0.184	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Assay Results

Drill Hole ID
AGR-04-243

North 5461640.53

Start Date 11/21/2004

East 367087.3

End Date 11/23/2004

Elevation 224.57

Proposed Depth

Actual Depth 91

Number of Boxes 0

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161777	74.00	75.50	1.50	0.10	5.40	2.32	14.61	54.11	3.93	0.39	0.145	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum
A161778	75.50	76.25	0.75	0.17	5.06	2.12	15.08	54.53	3.92	0.46	0.208	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum
A161779	76.25	77.00	0.75	0.15	7.71	3.65	14.77	48.64	5.11	0.69	0.513	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum
A161780	77.00	77.75	0.75	0.10	7.29	3.37	15.11	48.46	4.27	0.61	0.49	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum
A161781	77.75	78.50	0.75	0.17	8.19	3.64	14.66	46.26	4.98	0.65	0.316	Fractured Weathered Granite/Granodiorite Gneiss and Minor Gneiss Residuum
A161782	78.50	79.25	0.75	0.18	8.36	3.91	14.70	46.75	5.40	0.69	0.592	Fractured Weathered Granite/Granodiorite Gneiss
A161783	79.25	80.00	0.75	0.14	7.69	3.33	14.33	51.19	4.52	0.62	1.28	Fractured Weathered Granite/Granodiorite Gneiss
A161784	80.00	80.75	0.75	0.12	6.10	3.07	15.68	50.11	4.40	0.45	0.963	Fractured Weathered Granite/Granodiorite Gneiss
A161785	80.75	81.70	0.95	0.14	5.95	3.16	15.96	50.04	4.14	0.52	0.34	Fractured Weathered Granite/Granodiorite Gneiss
A161786	81.70	82.25	0.55	1.30	11.63	4.87	13.98	39.33	6.86	1.39	10.1	Granite/Granodiorite Gneiss Residuum
A161787	82.25	83.00	0.75	0.13	6.19	3.72	16.03	48.82	4.69	0.35	0.214	Granite/Granodiorite Gneiss Residuum
A161788	83.00	83.75	0.75	0.17	10.44	6.66	12.20	41.58	6.82	0.67	0.88	Granite/Granodiorite Gneiss Residuum
A161789	83.75	84.50	0.75	0.12	4.88	2.41	16.42	50.82	4.73	0.49	0.223	Granite/Granodiorite Gneiss Residuum
A161790	84.50	85.25	0.75	0.17	4.77	3.32	16.40	49.61	4.77	0.43	0.1	Granite/Granodiorite Gneiss Residuum
A161791	85.25	86.00	0.75	0.34	7.61	8.15	11.78	43.51	7.24	0.46	0.198	Granite/Granodiorite Gneiss Residuum
A161792	86.00	86.75	0.75	0.06	4.70	3.24	17.93	48.79	5.82	0.31	0.124	Granite/Granodiorite Gneiss Residuum
A161793	86.75	87.50	0.75	0.19	4.62	3.23	17.13	49.05	5.32	0.39	0.182	Granite/Granodiorite Gneiss Residuum
A161794	87.50	88.25	0.75	0.10	7.20	5.90	14.52	43.35	6.82	0.52	0.232	Granite/Granodiorite Gneiss Residuum
A161795	88.25	89.00	0.75	0.11	7.32	5.54	14.65	44.37	6.19	0.52	0.227	Granite/Granodiorite Gneiss Residuum
A161796	89.00	89.75	0.75	0.07	2.86	1.64	17.99	53.12	4.54	0.24	0.332	Granite/Granodiorite Gneiss Residuum
A161797	89.75	90.50	0.75	0.10	4.83	2.90	16.43	51.09	4.33	0.36	0.256	Granite/Granodiorite Gneiss Residuum
A161798	90.50	91.00	0.50	0.04	4.64	2.64	17.37	50.99	4.24	0.42	0.17	Granite/Granodiorite Gneiss Residuum

Monday, October 30, 2006

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Northing: 5461400.82
Easting: 366840.07
Elevation: 239.89
Depth: 69.5
Azimuth: 0
Dip: -90

Drillhole Attitude Tests: No

Township: Cargill
Claim number: P413076/104395/CLM300
Drilling Contractor: Norex Drilling
Drilling Start Date: 11/24/2004
Drilling End Date: 12/2/2004
Core Size: HQ till 68.0m and NQ from 68.0 to 69.5m
Casing: No
Hole Cemented: No
Why drillhole terminated: NQ rods stuck at HQ shoe bit (retrieved)
Logged by: M. Stalker
Date Logged: 12/7/2004
Number of boxes: 15
Number of assays: 68
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	9.5	Lost Core
9.5	12.9	Clay
12.9	14.2	Till
14.2	69.5	Gneiss Residuum
		59.0-62.0 - Weathered Pyroxenite Dike
		64.4-68.2 - Pyroxenite Dike Residuum
69.5		End of Hole

M. Stalker

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-244

North 5461400.82

Start Date 11/24/2004

East 366840.07

End Date 12/2/2004

Elevation 239.894

Proposed Depth

Actual Depth 69.5

Number of Boxes 15

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	9.5 m	9.5 m	799	LOST CORE	0 %
9.5 m	10.0 m	0.5 m	714	BROWN CLAY -medium brown clay -no varves observed -poorly formed core -lower contact at 90° to CA	30 %
10.0 m	10.4 m	0.4 m	715	GREY CLAY -medium brown grey, sticky, clay ("gumbo clay") -poorly formed core -lower contact in lost core	38 %
10.4 m	10.7 m	0.3 m	717	BROWN CLAY WITH PEBBLES (TILL) -light grey brown clay with 10% heterogenous subround to angular pebbles (≤2cm) -poorly formed core -lower contact in lost core	33 %
10.7 m	11.0 m	0.3 m	714	BROWN VARVED CLAY -light and medium grey brown clay in varves (≤3cm) that are locally folded -poorly formed core -lower contact in lost core	33 %

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-244

North 5461400.82

Start Date 11/24/2004

East 366840.07

End Date 12/2/2004

Elevation 239.894

Proposed Depth

Actual Depth 69.5

Number of Boxes 15

From	To	Length	Lithological Code	Description	% Recovery
11.0 m	12.5 m	1.5 m	799	LOST CORE	0 %
12.5 m	12.9 m	0.4 m	714	BROWN VARVED CLAY -light grey and medium to dark grey brown clay in thick (≤ 5 cm), regular, typical varves -poorly to moderately formed core -lower contact sharp at 80° to CA	88 %
12.9 m	13.1 m	0.2 m	717	GREY SILT WITH PEBBLES (TILL) -medium grey silt to fine grained sand with minor clay and with 5% pebbles (≤ 3 mm) -unformed and poorly formed core -lower contact in lost core	75 %
13.1 m	14.0 m	0.9 m	717	BOULDERS (TILL) -heterogenous subangular to angular boulders (≤ 39 cm) without silt or clay -lower contact in lost core	83 %
14.0 m	14.2 m	0.2 m	717	BOULDER TILL -medium brown grey silty clay with 10% heterogenous subround to angular pebbles (≤ 2 cm) -a mix between brown clay and boulder till -poorly formed core -lower contact sharp at 60° to CA and last 5cm of unit is a medium brown band at 60° to CA	50 %

Agrium

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From	To	Length	Lithological Code	Description	% Recovery
14.2 m	59.0 m	44.8 m	720	<p>GRANITE/GRANODIORITE GNEISS RESIDUUM</p> <ul style="list-style-type: none">-dark green and green grey, cream, pink, light and medium green, tan, and orange to orange brown crumbly silt, sand, and clay with minor pieces of remanent gneiss (≤ 2cm)-black, dark green, and silver mica flakes (≤ 0.5cm) minor overall but common locally-gneissic texture is observed through most of unit but very strongly weathered-banding at 45-80° to CA-coarse grained and may be more mafic (granodioritic) and darker than typical but still with common tan to light brown and pink sections-poorly formed to well formed core, mainly moderately formed-lower contact in lost core <p>31.5-31.9 - with minor medium to dark brown, khaki green, and medium brown purple silt that looks similar to pyroxenite residuum but with good gneissic texture and, therefore, probably gneiss residuum</p> <p>33.4-33.8 - tan, cream, and pink silt with minor purple patches and with local gneissic texture</p> <ul style="list-style-type: none">- similar colours to carbonatite dike residuum but with gneissic texture so probably gneiss residuum <p>40.7-40.9 - medium tan brown and grey brown silt and medium to dark rusty brown strongly weathered pyroxenite?</p> <ul style="list-style-type: none">or cemented silt piece (≤ 4cm)- weakly to moderately magnetic- probably pyroxenite dike residuum but possibly another type of ultramafic dike- upper contact sharp at 45° to CA, lower contact in lost core <p>41.0-41.1 - a 5cm section of medium to dark rusty brown, weakly magnetic, weathered pyroxenite as in 40.7-40.9m</p> <ul style="list-style-type: none">- contacts in lost core <p>42.6-43.0 - locally gneiss residuum is harder to strongly weathered gneiss</p> <p>@54.0 - 2cm band of hard cream gneiss at 60° to CA</p> <p>54.4-54.5 - medium green, medium brown to khaki brown, and dark green grey and dark grey blue silt</p> <ul style="list-style-type: none">- locally slightly magnetic	73 %

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From	To	Length	Lithological Code	Description	% Recovery
				<ul style="list-style-type: none"> - probably pyroxenite dike residuum but possible mafic component of gneiss residuum - upper contact very sharp with slickenside at 35° to CA, lower contact in lost core 	
				<ul style="list-style-type: none"> @58.3 - a 2cm band of hardened green tan and dark brown, moderately magnetic, silt and pieces (≤2cm) - probably pyroxenite dike residuum to strongly weathered pyroxenite dike, possibly contamination from lower unit - contacts in broken core but appear to be at 60° to CA 	
				<ul style="list-style-type: none"> 58.5-59.0 - minor sections of green tan and dark brown silt - probably pyroxenite dike residuum but core is broken and jumbled and may be contaminated from unit below 	
59.0 m	62.0 m	3.0 m	712	<p>STRONGLY WEATHERED ULTRAMAFIC (PYROXENITE) DIKE</p> <ul style="list-style-type: none"> -dark brown to purple brown with minor pink to brick grains (≤3mm, mainly <1mm) and common green yellow tan to yellow green (especially on joint patches), medium grained, hardened pieces (≤14cm) and silt and clay -locally with medium grained dark green fresher patches (picture taken) -moderately to strongly magnetic throughout -strongly weathered and hardened pieces commonly can be crumbled to silt and clay and with 20% residuum that is already silt and clay of the same colours -not typical pyroxenite residuum and possibly another type of ultramafic dike (diabase?) -common foliation at 20° to CA -well formed, unformed, and poorly formed core -lower contact in lost core 	95 %
62.0 m	64.4 m	2.4 m	720	<p>GRANITE/GRANODIORITE GNEISS RESIDUUM</p> <ul style="list-style-type: none"> -as 14.2-59.0m -lower contact sharp at 90° to CA 	100 %

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From	To	Length	Lithological Code	Description	% Recovery
64.4 m	68.2 m	3.8 m	720	STRONGLY WEATHERED PYROXENITE AND PYROXENITE RESIDUUM -similar to 59.0-62.0m but with sections of dark blue grey green hardened core (non-magnetic) that is more typical of weathered pyroxenite and with 60% weathered pyroxenite and 40% pyroxenite residuum but gradational between two -locally pink to brick coloured grains form bands -minor gneiss residuum locally and as listed -well formed, unformed, and poorly formed core -lower contact in lost core 65.3-65.5 - gneiss residuum (xenolith) with minor pyroxenite residuum bands 65.5-67.2 - dark blue grey green to medium tan grey green, fresher, more typical weathered pyroxenite, non-magnetic @68.0 - CORE SIZE CHANGES FROM HQ TO NQ	91 %
68.2 m	69.5 m	1.3 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 14.2-59.0m but with an increase in clay content @69.5 - common weathered pyroxenite subround to subangular pebbles (≤ 1.5 cm)	96 %
69.5				END OF HOLE	%

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Kapuskasng Phosphate Operation
Exploration Drilling

Assay Results

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East 366840.07

Elevation 239.894

Proposed Depth

Actual Depth 69.5

Number of Boxes 0

Start Date 11/24/2004

End Date 12/2/2004

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161799	14.20	15.50	1.30	0.34	5.98	3.79	14.28	51.83	4.92	0.52	0.135	Granite/Granodiorite Gneiss Residuum
A161800	15.50	17.00	1.50	0.24	5.49	3.06	14.85	54.67	3.98	0.50	0.152	Granite/Granodiorite Gneiss Residuum
A161801	17.00	18.50	1.50	0.48	6.41	3.40	14.53	50.33	3.47	0.68	0.133	Granite/Granodiorite Gneiss Residuum
A161802	18.50	20.00	1.50	0.35	6.22	3.50	14.51	51.88	4.25	0.57	0.15	Granite/Granodiorite Gneiss Residuum
A161803	20.00	21.50	1.50	0.25	5.57	3.08	13.42	58.17	2.03	0.50	0.149	Granite/Granodiorite Gneiss Residuum
A161804	21.50	23.00	1.50	0.17	4.84	1.62	14.87	58.87	2.51	0.41	0.108	Granite/Granodiorite Gneiss Residuum
A161805	23.00	24.50	1.50	0.10	3.35	1.52	16.17	59.62	3.04	0.33	0.11	Granite/Granodiorite Gneiss Residuum
A161806	24.50	26.00	1.50	0.20	6.09	2.44	14.79	54.34	3.05	0.53	0.141	Granite/Granodiorite Gneiss Residuum
A161807	26.00	26.75	0.75	0.20	5.64	2.23	15.76	53.79	3.45	0.50	0.132	Granite/Granodiorite Gneiss Residuum
A161808	26.75	27.50	0.75	0.35	6.88	2.87	15.25	51.34	3.81	0.63	0.117	Granite/Granodiorite Gneiss Residuum
A161809	27.50	28.25	0.75	0.36	6.80	3.08	14.76	51.61	4.43	0.56	0.136	Granite/Granodiorite Gneiss Residuum
A161810	28.25	29.00	0.75	0.27	6.44	2.12	14.98	54.02	3.68	0.43	0.158	Granite/Granodiorite Gneiss Residuum
A161811	29.00	29.75	0.75	0.34	8.69	2.90	14.14	49.77	3.56	0.65	0.119	Granite/Granodiorite Gneiss Residuum
A161812	29.75	30.50	0.75	0.32	6.10	2.79	15.10	53.90	3.15	0.62	0.107	Granite/Granodiorite Gneiss Residuum
A161813	30.50	31.25	0.75	0.25	7.15	3.28	13.48	54.54	2.16	0.65	0.117	Granite/Granodiorite Gneiss Residuum
A161814	31.25	32.00	0.75	0.43	8.13	3.62	13.08	53.49	1.75	0.67	0.161	Granite/Granodiorite Gneiss Residuum
A161815	32.00	32.75	0.75	0.07	7.40	2.75	13.76	54.53	1.95	0.62	0.112	Granite/Granodiorite Gneiss Residuum
A161816	32.75	33.50	0.75	0.06	6.12	2.32	13.87	59.93	1.76	0.50	0.103	Granite/Granodiorite Gneiss Residuum
A161817	33.50	34.25	0.75	0.03	4.68	1.91	14.13	61.98	1.96	0.45	0.121	Granite/Granodiorite Gneiss Residuum
A161818	34.25	35.00	0.75	0.03	4.56	1.62	14.22	62.96	2.34	0.41	0.112	Granite/Granodiorite Gneiss Residuum
A161819	35.00	35.75	0.75	0.07	7.86	2.60	13.62	55.66	1.83	0.61	0.103	Granite/Granodiorite Gneiss Residuum
A161820	35.75	36.50	0.75	0.09	5.81	2.14	13.91	60.27	2.79	0.49	0.105	Granite/Granodiorite Gneiss Residuum

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Proposed Depth

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161821	36.50	37.25	0.75	0.02	7.11	2.68	13.90	56.61	2.89	0.60	0.144	Granite/Granodiorite Gneiss Residuum
A161822	37.25	38.00	0.75	0.02	5.64	2.08	14.08	61.07	2.43	0.48	0.245	Granite/Granodiorite Gneiss Residuum
A161823	38.00	38.75	0.75	0.02	6.36	2.40	14.09	60.13	2.05	0.57	0.167	Granite/Granodiorite Gneiss Residuum
A161824	38.75	39.50	0.75	0.00	6.96	2.58	13.97	58.80	2.30	0.55	0.127	Granite/Granodiorite Gneiss Residuum
A161825	39.50	40.25	0.75	0.12	6.87	2.47	14.73	55.67	2.57	0.60	0.126	Granite/Granodiorite Gneiss Residuum
A161826	40.25	40.70	0.45	0.01	3.56	1.33	16.89	59.19	2.56	0.35	0.265	Granite/Granodiorite Gneiss Residuum
A161827	40.70	41.10	0.40	0.38	9.73	2.25	14.09	51.20	2.68	1.08	1.33	Granite/Granodiorite Gneiss Residuum and Pyroxenite Dike Residuum
A161828	41.10	41.75	0.65	0.04	5.65	2.00	14.53	60.57	2.05	0.47	0.136	Granite/Granodiorite Gneiss Residuum
A161829	41.75	42.50	0.75	0.06	4.72	1.77	14.57	63.31	2.32	0.47	0.114	Granite/Granodiorite Gneiss Residuum
A161830	42.50	43.25	0.75	0.13	5.66	2.03	15.39	59.29	1.92	0.56	0.195	Granite/Granodiorite Gneiss Residuum
A161831	43.25	44.00	0.75	0.37	6.03	1.58	13.87	60.43	1.73	0.59	0.221	Granite/Granodiorite Gneiss Residuum
A161832	44.00	44.75	0.75	0.79	4.37	1.55	14.19	61.43	2.39	0.45	0.097	Granite/Granodiorite Gneiss Residuum
A161833	44.75	45.50	0.75	-0.01	3.00	1.08	15.32	65.45	1.61	0.28	0.091	Granite/Granodiorite Gneiss Residuum
A161834	45.50	46.25	0.75	0.10	6.33	2.50	15.37	56.43	2.34	0.49	0.159	Granite/Granodiorite Gneiss Residuum
A161835	46.25	47.00	0.75	0.07	8.44	2.63	14.71	53.19	2.12	0.69	0.158	Granite/Granodiorite Gneiss Residuum
A161836	47.00	47.75	0.75	0.04	6.52	2.42	15.71	56.24	2.16	0.62	0.165	Granite/Granodiorite Gneiss Residuum
A161837	47.75	48.50	0.75	0.03	4.43	1.89	14.55	63.76	1.13	0.47	0.132	Granite/Granodiorite Gneiss Residuum
A161838	48.50	50.00	1.50	0.08	3.13	1.24	14.92	64.36	1.88	0.28	0.116	Granite/Granodiorite Gneiss Residuum
A161839	50.00	51.50	1.50	0.21	6.40	2.02	14.11	59.58	1.98	0.58	0.09	Granite/Granodiorite Gneiss Residuum
A161840	51.50	52.25	0.75	0.21	5.48	2.24	13.94	60.11	1.82	0.51	0.055	Granite/Granodiorite Gneiss Residuum
A161841	52.25	53.00	0.75	0.13	4.23	1.67	14.13	64.45	1.80	0.41	0.116	Granite/Granodiorite Gneiss Residuum
A161842	53.00	53.75	0.75	0.15	6.17	2.50	14.12	58.41	1.91	0.52	0.166	Granite/Granodiorite Gneiss Residuum

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Elevation 239.894

Proposed Depth

Actual Depth 69.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161843	53.75	54.50	0.75	0.26	7.43	2.54	13.99	55.97	2.47	0.72	0.314	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum
A161844	54.50	55.25	0.75	0.08	4.76	1.85	14.37	61.62	2.03	0.44	0.085	Granite/Granodiorite Gneiss Residuum
A161845	55.25	56.00	0.75	0.07	5.52	2.01	13.93	61.64	2.12	0.46	0.067	Granite/Granodiorite Gneiss Residuum
A161846	56.00	56.75	0.75	0.04	4.05	1.49	10.18	41.39	1.08	0.31	0.165	Granite/Granodiorite Gneiss Residuum
A161847	56.75	57.50	0.75	0.07	4.66	1.88	14.64	60.56	1.50	0.45	0.309	Granite/Granodiorite Gneiss Residuum
A161848	57.50	58.25	0.75	0.06	3.21	1.50	15.25	62.65	1.80	0.36	0.471	Granite/Granodiorite Gneiss Residuum
A161849	58.25	59.00	0.75	0.21	6.38	1.97	9.22	38.37	1.18	0.51	0.652	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Residuum
A161850	59.00	59.75	0.75	0.34	15.74	4.73	11.09	43.78	2.71	2.06	7.81	Weathered Ultramafic (Pyroxenite?) Dike
A161851	59.75	60.50	0.75	0.47	16.76	5.34	10.71	42.86	2.49	2.12	9.99	Weathered Ultramafic (Pyroxenite?) Dike
A161852	60.50	61.25	0.75	0.46	16.79	4.91	10.65	44.60	2.47	2.03	7.6	Weathered Ultramafic (Pyroxenite?) Dike
A161853	61.25	62.00	0.75	0.37	17.01	4.28	10.69	47.14	2.31	1.99	6.11	Weathered Ultramafic (Pyroxenite?) Dike
A161854	62.00	62.75	0.75	0.03	4.79	3.00	15.01	63.18	1.10	0.39	0.332	Granite/Granodiorite Gneiss Residuum
A161855	62.75	63.50	0.75	-0.01	4.44	3.61	14.89	64.25	1.19	0.37	0.164	Granite/Granodiorite Gneiss Residuum
A161856	63.50	64.40	0.90	0.00	3.59	3.33	14.81	65.29	1.18	0.32	0.089	Granite/Granodiorite Gneiss Residuum
A161857	64.40	65.00	0.60	0.32	15.41	5.85	11.48	44.72	2.09	1.95	8.82	Strongly Weathered Pyroxenite and Pyroxenite Residuum
A161858	65.00	65.30	0.30	0.40	15.61	6.22	11.26	43.87	2.18	1.87	13.7	Strongly Weathered Pyroxenite and Pyroxenite Residuum
A161859	65.30	65.50	0.20	0.36	9.48	3.98	13.11	54.17	1.70	1.11	6.02	Granite/Granodiorite Gneiss Residuum
A161860	65.50	66.50	1.00	0.34	15.40	5.69	10.83	43.91	3.05	2.46	6.17	Strongly Weathered Pyroxenite and Pyroxenite Residuum
A161861	66.50	67.25	0.75	0.43	16.16	5.31	11.15	44.04	2.79	2.26	3.99	Strongly Weathered Pyroxenite and Pyroxenite Residuum
A161862	67.25	68.00	0.75	0.55	15.26	5.31	11.47	44.24	2.70	1.98	3.36	Strongly Weathered Pyroxenite and Pyroxenite Residuum
A161863	68.00	68.20	0.20	0.39	14.69	5.78	11.80	43.53	2.23	2.02	4.09	Strongly Weathered Pyroxenite and Pyroxenite Residuum
A161864	68.20	68.75	0.55	0.10	6.66	3.35	14.38	58.69	1.34	0.57	1.67	Granite/Granodiorite Gneiss Residuum

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Kapuskasing Phosphate Operation
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East 366840.07
Elevation 239.894

Start Date 11/24/2004
End Date 12/2/2004

Proposed Depth
Actual Depth 69.5
Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161865	68.75	69.40	0.65	0.06	9.07	3.80	14.33	54.86	1.35	0.60	1.37	Granite/Granodiorite Gneiss Residuum
A161866	69.40	69.50	0.10	0.54	9.82	4.06	12.48	54.05	2.13	1.07	1.87	Granite/Granodiorite Gneiss Residuum and Minor Weathered Pyroxenite Pebbles

**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461400.65
 Easting: 366835.77
 Elevation: 239.73
 Depth: 242
 Azimuth: 90
 Dip: -75

SUMMARY LOG

Drillhole Attitude Tests: 2

Meterage	Azimuth	Dip	Test Type
100		-74	Acid Dip
240.5		-73.5	Acid Dip

Township: Cargill
 Claim number: P413076/104395/CLM300
 Drilling Contractor: Norex Drilling
 Drilling Start Date: 12/2/2004
 Drilling End Date: 12/8/2004
 Core Size: HQ
 Casing: No
 Hole Cemented: No
 Why drillhole terminated: Bit and tube sanding from caving gneiss residuum, 4 bits used
 Logged by: M. Stalker
 Date Logged: 1/5/2005
 Number of boxes: 37
 Number of assays: 214
 Number of ICP: 0
 Rejects/Pulps saved: Yes
 Core Stored: Agrium Minesite
 Pictures: Yes
 Geotechnical Log: Yes

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	14.0	Clay
14.0	15.5	Till
15.5	69.8	Gneiss Residuum
		49.2-54.5 - Pyroxenite Dike Residuum
69.8	108.5	Carbonatite Residuum and Silicified Carbonatite Residuum
		99.8-104.0 - Pyroxenite Residuum
108.5	194.0	Silicified Carbonatite Residuum
194.0	242.0	Carbonatite Residuum
		205.3-212.9 - Weathered Pyroxenite
		213.5-215.1 - Weathered Pyroxenite
		237.5-240.1 - Weathered Pyroxenite
		End of Hole

M. Stalker

Agrium

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East 366835.77

End Date 12/8/2004

Elevation 239.73

Proposed Depth

Actual Depth 242

Number of Boxes 37

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	3.5 m	3.5 m	799	LOST CORE	0 %
3.5 m	6.5 m	3.0 m	714	BROWN SILTY CLAY WITH WOOD FRAGMENTS -medium brown, dark brown, and grey brown and minor light brown silty clay -light brown clay is mottled with the medium brown clay near top of unit -minor dark grey clay -minor wood fragments and beige clay fragments -no varves observed but flaky and with rare horizontal cracks -poorly and moderately formed core -lower contact in lost core	13 %
6.5 m	12.5 m	6.0 m	714	BROWN VARVED CLAY -dark brown clay with minor thin (<0.5cm) cream non-typical varves that are commonly discontinuous at 50-60° to CA -clay is flaky -poorly formed core -lower contact in lost core	11 %
12.5 m	12.7 m	0.2 m	717	BOULDER TILL -light brown to beige clayey silt with 20% heterogenous subround to angular boulders (≤4cm) -poorly formed core -contacts in lost core	50 %

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From	To	Length	Lithological Code	Description	% Recovery
12.7 m	14.0 m	1.3 m	714	CREAM AND BROWN VARVED CLAY -cream to light grey brown, and dark brown and grey brown clay in varves -a variety of varves that are thin (<0.5cm) to thick (>20cm) and may be folded or discontinuous and are locally broken into fragments or patches of varves -varves are at 0-90° to CA but mainly at 50-90° to CA -cream to light grey brown clay dominates over brown clay -poorly and moderately formed core -lower contact in lost core	50 %
14.0 m	15.5 m	1.5 m	717	BOULDERS WITH MINOR TILL -mainly heterogenous subangular to angular boulders (≤11cm) with minor light brown clayey silt adhering to the boulders -lower contact in lost core	13 %
15.5 m	49.2 m	33.7 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -cream, dark green, light and medium yellow green, pink, tan, and orange silt, sand, and clay with larger hard pieces of remanent gneiss -typical granite gneiss residuum with a mix of green, tan to orange, and cream dominant sections -gneissic texture at 70-90° to CA near top of unit -unformed and poorly to well formed core, mainly unformed and moderately formed core -lower contact in lost core 42.5-42.9 - orange to orange brown granite/granodiorite gneiss residuum (iron rich?)	42 %

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From	To	Length	Lithological Code	Description	% Recovery
49.2 m	54.5 m	5.3 m	720	<p>PYROXENITE DIKE RESIDUUM</p> <ul style="list-style-type: none"> -medium to dark brown to purple brown to khaki brown, and common light to medium yellow green to yellow green tan grading locally to cream or khaki green -yellow green colour is found throughout but especially on joint planes -weakly to moderately magnetic throughout -breaks into slightly hardened pieces but most crumble to silt with minor strongly weathered pieces (≤ 1.5cm) -includes granite/granodiorite gneiss residuum as listed -probably pyroxenite residuum to strongly weathered pyroxenite but possibly another type of ultramafic dike or carbonatite residuum -unformed and moderately formed core with well formed pieces -lower contact in lost core 50.5-51.5 - mainly yellow green tan silt 51.9-53.0 - granite/granodiorite gneiss residuum 53.0-53.5 - mainly granite/granodiorite gneiss residuum with common pyroxenite dike residuum - may be a mix of two units or contact area core has been jumbled 	59 %
54.5 m	69.8 m	15.3 m	720	<p>GRANITE/GRANODIORITE GNEISS RESIDUUM</p> <ul style="list-style-type: none"> -similar to 15.5-49.2m but gneissic banding is at 30-60° to CA, mostly moderately to well formed core, and clay rich -lower contact sharp at 70° to CA but in broken core and appears to be gradational 59.8-59.9 - a 4 cm dark grey brown silicified fine grained silt piece and minor dark brown clay bands at 65° to CA - possibly silicified pyroxenite or carbonatite dike residuum - appears to be in place with an upper contact at 60° to CA, lower contact in lost core 60.5-60.7 - with a few faults at 60-65° to CA which cause ≥ 1cm of displacement 68.0-69.8 - clay rich and medium khaki green increasing towards lower contact - fragments of gneiss remanents (now silt) near lower contact indicating possible faulting 	83 %

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From	To	Length	Lithological Code	Description	% Recovery
69.8 m	70.2 m	0.4 m	720	GREEN TAN SILT (PYROXENITE/CARBONATITE RESIDUUM OR GNEISS) ALTERATION/FAULT ZONE? -medium green tan and medium khaki green to khaki brown silt and minor clay -common slightly hardened pieces but still silt in fragments similar to an in place breccia -locally minor banding at 90° to CA -possible pyroxenite/carbonatite residuum or possibly altered gneiss chilled by intrusion of carbonatite/pyroxenite or possibly a fault zone with fault gouge material and fragments -moderately to well formed core -lower contact at approximately 70° to CA	100 %
70.2 m	71.0 m	0.8 m	720	BROWN SILT (CARBONATITE RESIDUUM) -medium brown, khaki brown, orange brown, and minor green tan to tan green silt -5% black silt and magnetite grains (≤0.5cm) disseminated throughout but found especially in lower half of unit -well banded near upper contact at 80-90° to CA -probably carbonatite residuum but possibly with some pyroxenite residuum -moderately formed core -lower contact in lost core	100 %
71.0 m	77.0 m	6.0 m	720	BROWN SILT AND SILICIFIED SILT PIECES (CARBONATITE RESIDUUM) -medium brown, tan brown, and orange brown silt with 3% dark grey silt and magnetite grains (≤1.5cm) -30% weakly to moderately silicified pieces (≤8cm) of the same colour and texture as the silt -some of the silicified patches are within silt sections -locally richer in silicified pieces especially from 74.0-77.0m with 50% silicified pieces -local banding at 35° to CA -unformed and moderately formed core with well formed pieces -lower contact in lost core	17 %

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From	To	Length	Lithological Code	Description	% Recovery
77.0 m	78.5 m	1.5 m	720	SILICIFIED RESIDUUM PIECES (CARBONATITE RESIDUUM/FAULT GOUGE) -medium to dark khaki brown to purple brown, fine grained but with coarser fragments, translucent, strongly silicified pieces (≤ 14 cm) -a matrix supported breccia with fragments commonly tan brown or cream coloured or just slightly different than the matrix colour -cherty looking with conchoidal fracture -minor patches of coarse grained (≤ 1.5 cm) green cream mica -may be silicified fault gouge or carbonatite residuum or pyroxenite residuum -well formed pieces -lower contact in lost core	17 %
78.5 m	80.0 m	1.5 m	720	SILICIFIED PIECES AND BROWN SILT (CARBONATITE RESIDUUM) -60% cream, tan, orange brown, and patches (≤ 0.5 cm) of dark grey (after magnetite?), moderately to strongly silicified pieces (≤ 10 cm) that appear to be a mixture of strongly silicified silt that is fine grained with a breccia texture, and weathered carbonatite that is vuggy and moderately silicified -40% medium orange brown and brown silt with 3% dark grey silt patches (after magnetite) -unformed and well formed pieces -lower contact in lost core	27 %

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From	To	Length	Lithological Code	Description	% Recovery
80.0 m	87.2 m	7.2 m	720	SILICIFIED PIECES AND MINOR BROWN SILT (CARBONATITE RESIDUUM) -similar to 78.5-80.0m but with only minor orange brown and medium brown silt, 5% overall -silicified pieces are mainly vuggy, moderately silicified, cream and orange brown with 5% dark brown grey patches (≤1cm) after magnetite, probably silicified weathered carbonatite but may be cemented residuum or a mixture of the two -15% of silicified pieces are strongly silicified, fine grained, translucent, with coarser fragments in a breccia texture that is probably cemented residuum but may be silica flooded weathered carbonatite -vugs commonly in bands -well formed core pieces (≤13cm) and minor unformed core -lower contact in lost core	14 %
87.2 m	90.5 m	3.3 m	720	80.0-81.5 - gneiss residuum sand and boulders, contamination from uphole removed from sample BROWN SILT AND SILICIFIED PIECES (CARBONATITE RESIDUUM) -similar to 78.5-80.0m but with 60% silt and 40% silicified pieces -unformed and poorly formed core with well formed pieces (≤5cm) -lower contact in lost core	12 %
90.5 m	93.5 m	3.0 m	720	SILICIFIED PIECES AND MINOR BROWN SILT (CARBONATITE RESIDUUM) -as 80.0-87.2m -pieces ≤7cm -lower contact in lost core	10 %
93.5 m	95.0 m	1.5 m	720	BROWN SILT AND SILICIFIED PIECES (CARBONATITE RESIDUUM) -similar to 78.5-80.0m but with 60% silt and 40% silicified pieces -gneiss residuum sand and boulders removed from sample as contamination from uphole -unformed core with well formed pieces (≤3.5cm) -lower contact in lost core	7 %

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From	To	Length	Lithological Code	Description	% Recovery
95.0 m	96.5 m	1.5 m	720	TAN AND ORANGE BROWN SILT (CARBONATITE RESIDUUM) -light and medium orange brown and tan to tan brown silt with minor cream silt -5% coarse magnetite grains and black silt patches (≤ 1 cm) disseminated throughout unit -unformed to moderately formed core -lower contact in lost core	80 %
96.5 m	99.8 m	3.3 m	720	SILICIFIED PIECES AND MINOR BROWN SILT (CARBONATITE RESIDUUM) -as 80.0-87.2m -pieces ≤ 8 cm -lower contact in lost core	23 %

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From	To	Length	Lithological Code	Description	% Recovery
99.8 m	104.0 m	4.2 m	720	<p>GREEN AND BROWN SILT WITH MINOR SILICIFIED PATCHES (PYROXENITE/CARBONATITE RESIDUUM)</p> <ul style="list-style-type: none">-light yellow green, medium to dark green, medium grey blue green, bright lime green, tan to tan brown, medium rusty brown, and medium to dark brown silt-locally silt gradational to very strongly weathered pyroxenite in solid core pieces-a variety of compositions throughout unit as listed-locally strongly magnetic-5% magnetic grains (≤ 1cm) or dark grey silt after magnetite-5% moderately silicified pieces or bands at approximately 70° to CA at bright lime sections, possibly the addition of silica is forming bright green silt and clay mineral-5% coarse grained (≤ 1cm) mica/vermiculite found especially near end of zone-probably pyroxenite residuum with carbonatite residuum sections, possibly a fault zone but probably an intrusion-unformed to moderately formed core with well formed pieces (≤ 8cm)-lower contact in lost core <p>99.8-100.6 - bright lime green and common orange brown silt with 50% silicified pieces of the same colours</p> <ul style="list-style-type: none">- minor coarse grained (≤ 1cm) silver mica <p>100.6-101.0 - medium grey blue green, tan, rusty brown, and minor bright lime green silt with 5% magnetite/black silt patches and minor mica/vermiculite</p> <p>101.0-101.8 - medium grey blue green, tan, and rusty brown, strongly weathered pyroxenite solid core pieces (≤ 10cm) gradational to silt</p> <ul style="list-style-type: none">- strongly magnetic- banded at 35° to CA <p>101.8-102.5 - as 100.6-101.0m</p> <p>102.5-102.9 - yellow green tan silt and strongly weathered pyroxenite solid core pieces (≤ 5cm) as in 101.0-101.8m</p> <p>102.9-103.0 - cream coloured silicified band and bright lime green clay and silt</p> <p>103.0-103.3 - as 100.6-101.0m</p>	69 %

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From	To	Length	Lithological Code	Description	% Recovery
				103.3-104.0 - medium to dark brown, rusty brown, tan, and medium grey blue green silt with 5% magnetite/black silt patches and 10% bronze and medium green mica/vermiculite	
104.0 m	105.5 m	1.5 m	720	BROWN SILT (CARBONATITE RESIDUUM) -medium orange brown, tan brown, and medium to dark brown silt with 10% magnetite silt and grains (<1cm) disseminated and found in bands -banded at 45° and 80-90° to CA -much of the unit is strongly magnetic with medium to dark brown silt bands at 45° to CA that must be rich in magnetite -light cream green silt found in a 5cm band at 105.0m that may be a pyroxenite dike -probably carbonatite residuum with some pyroxenite residuum but possibly with abundant pyroxenite residuum -unformed to moderately formed core, mainly moderately formed -lower contact in lost core	80 %
105.5 m	107.0 m	1.5 m	720	BROWN SILT AND SILICIFIED PIECES (CARBONATITE RESIDUUM) -similar to 78.5-80.0m but with 60% silt and 40% silicified pieces -unformed core with well formed pieces (<4cm) -lower contact in lost core	27 %
107.0 m	108.5 m	1.5 m	720	BROWN SILT (CARBONATITE RESIDUUM) -medium brown and tan brown with 5% dark grey brown patches (non-magnetic) -2% light cream green silt found in patches -probably carbonatite residuum -poorly and moderately formed core -lower contact in lost core	37 %

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From	To	Length	Lithological Code	Description	% Recovery
108.5 m	128.0 m	19.5 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND MINOR LOCAL BROWN SILT -cream and tan with minor light orange brown pieces (≤ 12 cm) with 1-5% dark purple brown grey iron oxide grains (≤ 1 cm), some of which are magnetite, disseminated throughout and locally in rough bands -common to abundant vugs (≤ 1.5 cm) disseminated throughout or commonly aligned in bands at 20-55° to CA, pumice like texture -moderately silicified locally with strongly silicified bands and sections, locally unsilicified sections -locally crystals growing in open spaces -most of unit has no silt to <5% silt but locally richer (as listed) that is tan brown, orange brown, and medium brown -may be some apatite cement -broken into pieces mainly between 2-10cm, poor recovery throughout -well formed pieces and minor local unformed and poorly formed core -lower contact in lost core @110 - very poor recovery, block may be misplaced 115.5-116.7 - 30% medium brown to orange brown silt 118.2-119.0 - 20% medium brown to orange brown silt	17 %
128.0 m	129.5 m	1.5 m	799	LOST CORE -interval was filled with gneiss residuum sand, and gneiss and other boulders that are contamination from uphole	0 %

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From	To	Length	Lithological Code	Description	% Recovery
129.5 m	148.1 m	18.6 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND MINOR LOCAL BROWN SILT -as 108.5-128.0m -pieces \leq 13cm -lower contact in lost core 134.0-135.5 - 80% tan brown silt with 2% purple and dark grey patches - 20% weathered carbonatite pieces (\leq 1.5cm) - unformed and poorly formed core 145.0-145.3 - tan brown silt, unformed core	12 %
148.1 m	149.0 m	0.8 m	720	TAN BROWN SILT AND MINOR SILICIFIED WEATHERED CARBONATITE PIECES -tan brown silt with 3% patches (\leq 0.5cm) of dark grey magnetite silt and 10% weathered carbonatite pieces (\leq 2cm) as in 108.5-128.0m -poorly formed and unformed core -lower contact in lost core	31 %
149.0 m	150.0 m	1.0 m	720	SILICIFIED WEATHERED CARBONATITE PIECES -similar to 108.5-128.0m but without silt, pieces \leq 16cm, and less silicification, and commonly unsilicified -lower contact in lost core	35 %

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From	To	Length	Lithological Code	Description	% Recovery
150.0 m	168.5 m	18.5 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND COMMON BROWN SILT -similar to 108.5-128.0m but increase in silt to 25% overall and with some silt only and weathered carbonatite only sections but commonly a mix of both -well formed pieces (≤ 14 cm) and unformed to moderately formed core -lower contact in lost core 155.0-156.5 - only rare silt present 156.5-157.2 - section of silt only 157.2-158.0 - 70% silt and 30% weathered carbonatite pieces (≤ 2.5 cm) 161.0-162.5 - section with only rare to minor silt 164.0-165.5 - section with only rare to minor silt	26 %
168.5 m	170.0 m	1.5 m	799	LOST CORE	0 %
170.0 m	179.0 m	9.0 m	720	SILICIFIED WEATHERED CARBONATITE AND RARE BROWN SILT -similar to 108.5-128.0m but with less silt (<3% overall) and without silt rich sections -well formed pieces (≤ 15 cm) -lower contact in lost core	13 %
179.0 m	180.5 m	1.5 m	720	BROWN SILT AND MINOR SILICIFIED WEATHERED CARBONATITE PIECES -tan brown and orange brown silt with 10% weathered carbonatite pieces (≤ 2 cm) as in 108.5-128.0m -magnetite not observed -poorly formed and unformed core -lower contact in lost core	43 %

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From	To	Length	Lithological Code	Description	% Recovery
180.5 m	185.0 m	4.5 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND MINOR LOCAL BROWN SILT -as 108.5-128.0m -pieces ≤16cm -local iron oxide content increase and with iron oxide rich bands -lower contact in lost core	41 %
185.0 m	194.0 m	9.0 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND BROWN SILT -similar to 108.5-128.0m but increase in silt to 50% overall but amount varies -silt is mainly orange to orange brown, and medium and dark brown -iron oxide content increases to 5% but locally to 10% -some sections gradational between strongly weathered carbonatite and silt -well formed pieces (≤10cm) and unformed and poorly formed core -lower contact in lost core 188.0-189.5 - weathered carbonatite pieces with only 5% silt	32 %
194.0 m	199.0 m	5.0 m	720	TAN, ORANGE BROWN, AND MINOR CREAM SILT WITH MINOR LOCAL SILICIFIED WEATHERED CARBONATITE PIECES -tan and medium orange brown to rusty brown and minor cream silt with 1% coarse grained (≤0.5cm) magnetite/dark grey silt found locally in rough bands at 70° to CA -locally banded at 35° to CA -10% overall weathered carbonatite pieces (≤5cm) as at 108.5-128.0m found locally at 195.2-195.7m, 196.4-196.6m, 197.9-199.0m -moderately formed and minor poorly, and unformed core with minor well formed pieces -lower contact in lost core	65 %

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From	To	Length	Lithological Code	Description	% Recovery
199.0 m	205.3 m	6.3 m	720	TAN, ORANGE, BROWN, AND MINOR CREAM SILT (CARBONATITE RESIDUUM) -cream to tan, light to medium orange to orange brown, and minor medium to dark brown and cream silt -iron oxide grains rarely observed but dark brown to grey brown silt (iron oxide) rich bands are observed locally -locally banded at 45-60° to CA -mainly moderately to poorly formed core with some unformed core -lower contact sharp at 75° to CA at a colour change but possibly contact is higher at 205.1m as there is a more gradational colour change, or at 205.5m in lost core where lower unit can be definitely identified 205.1-205.3 - orange brown to red brown silt with minor clay	73 %
205.3 m	212.9 m	7.6 m	720	STRONGLY WEATHERED PYROXENITE DIKE? TO GREEN TAN AND BROWN SILT -green tan to grey tan and orange to orange brown pieces (≤26cm) that commonly crumble to silt and clay (picture taken) -fresher sections have cream and medium green coarse grained (≤3mm) mottling which give an overall green tan colour -commonly pyroxenite like texture is observed with darker minerals non-aligned in lighter matrix but possibly a mafic mineral rich strongly weathered carbonatite, not definitively a pyroxenite -lighter than carbonatite residuum sections -mainly well formed core but locally unformed and minor poorly formed core -lower contact sharp at 45° to CA 205.3-205.5 - orange brown to red brown silt with minor clay 210.6-212.0 - orange brown to red brown silt with minor clay and minor tan to green tan silt with 1% coarse grained (≤0.5cm) dark grey silt - possibly a carbonatite or carbonatite rich section 212.5-212.9 - medium brown with common medium green fragments (≤3mm) or altered mafic minerals giving a breccia like texture	94 %

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From	To	Length	Lithological Code	Description	% Recovery
212.9 m	213.5 m	0.6 m	720	TAN, ORANGE BROWN AND MINOR CREAM SILT (CARBONATITE RESIDUUM) -cream to tan, medium orange brown, and minor cream silt with minor patches of light cream grey green silt and clay -probably carbonatite with minor patches of pyroxenite dike similar to 205.3-212.9m -moderately formed core -lower contact in lost core	75 %
213.5 m	215.1 m	1.6 m	720	RED BROWN AND GREY GREEN SILT TO STRONGLY WEATHERED PYROXENITE DIKE -medium red brown and light to medium grey green silt and minor clay similar in texture to 212.5-212.9m -common green tan to grey tan silt and clay similar to 205.3-212.9m -minor light grey clay bands -minor bright lime green clay found at 213.6-213.8m -unit is similar to 205.3-212.9m but more strongly weathered -locally with slightly harder sections but not as hard as strongly weathered pyroxenite pieces in 205.3-212.9m -minor orange brown and tan silt, possible sections of carbonatite residuum -moderately to well formed core, mainly moderately -lower contact in lost core chosen at last band of tan green silt and clay but contact is possibly higher in the drillhole	100 %
215.1 m	219.2 m	4.1 m	720	ORANGE BROWN, TAN, AND MINOR CREAM AND DARK BROWN SILT (CARBONATITE RESIDUUM) -medium orange to orange brown, cream to tan to tan brown, minor to common dark brown and grey brown, and minor cream silt -commonly the dark brown to grey silt is hardened in bands at 20-60° to CA, probably after iron oxides -patches of cream silt are found near tan silt -minor grey silt in discontinuous bands towards lower contact -moderately formed core -lower contact in lost core	89 %

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From	To	Length	Lithological Code	Description	% Recovery
219.2 m	220.2 m	1.0 m	720	GREY AND COMMON CREAM SILT (CARBONATITE RESIDUUM) -light to dark grey, common cream, and minor cream pink silt -thinly banded at 65-80° to CA -trace fine grained pyrite as disseminated cubes -moderately and poorly formed core -lower contact sharp at 35° to CA	95 %
220.2 m	236.1 m	15.9 m	720	TAN, CREAM, ORANGE BROWN, AND BROWN SILT WITH MINOR LOCAL WEATHERED CARBONATITE PIECES -cream to beige to tan, tan to orange to light orange brown, minor cream to beige to light green grey, and minor medium and dark brown silt especially found locally -tan and light grey vuggy, moderately silicified weathered carbonatite pieces (≤9cm) found locally as listed -unit is generally lighter than typical carbonatite residuum -moderately and well formed core with minor unformed and poorly formed core and well formed pieces -lower contact in lost core 221.4-221.5 - a 9cm weathered carbonatite piece 224.0-224.5 - 60% weathered carbonatite pieces and 40% tan brown silt 225.6-226.0 - 50% weathered carbonatite pieces 227.0-228.7 - common medium and dark brown silt, dark brown silt may be after iron oxides 231.7-236.1 - slightly darker overall to tan brown but with lighter sections - 1% dark grey silt/magnetite grains (≤0.5cm) - locally banded at 50° to CA 233.4-234.3 - 30% weathered carbonatite pieces (≤9cm)	87 %

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From	To	Length	Lithological Code	Description	% Recovery
236.1 m	237.5 m	1.4 m	720	PINK, BEIGE, AND ORANGE SILT, BRIGHT GREEN CLAY, AND STRONGLY WEATHERED CARBONATITE/PYROXENITE -a mix of units as listed -appears to be a mix of carbonatite and pyroxenite residuum grading to weathered rock -moderately and well formed core -lower contact in lost core 236.1-236.4 - strongly weathered carbonatite/pyroxenite (picture taken) weathering to bright lime green clay and minor pink and tan silt - 5% coarse grained (≤ 0.5) magnetite in rough bands at 45° to CA found especially near upper contact - lower contact sharp at 30° to CA 236.4-237.1 - pink, beige to tan, and orange to orange brown silt with minor medium green and green grey silt and clay - probably carbonatite residuum with minor bands of pyroxenite residuum - lower contact at 30° to CA 237.1-237.4 - bright lime green clay and common dark brown silt - probably pyroxenite residuum possibly with carbonatite residuum - lower contact in lost core 237.4-237.5 - medium orange brown silt - probably carbonatite residuum	79 %

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From	To	Length	Lithological Code	Description	% Recovery
237.5 m	240.1 m	2.6 m	720	WEATHERED PYROXENITE AND ORANGE, TAN, AND GREY GREEN SILT AND CLAY -dark khaki green to grey green moderately to strongly weathered pyroxenite that grades to tan to light brown and tan orange clayey silt as listed -poorly to well formed core -lower contact in lost core 237.5-238.4 - section starts as tan to light brown and becomes tan orange clayey silt to silty clay 238.4-239.0 - slightly less weathered with medium to dark blue grey green sections that crumble to silt and clay 239.0-240.0 - dark khaki green to grey green solid core pieces of pyroxenite that commonly crumble to silt and clay - jointing at 30° to CA 240.0-240.1 - tan orange clayey silt	81 %
240.1 m	241.2 m	1.1 m	720	TAN BROWN SILT (CARBONATITE RESIDUUM) -tan brown silt with possible contamination below 240.5m -unformed core -lower contact in lost core	41 %
241.2 m	242.0 m	0.8 m	720	GREY AND COMMON DARK RUSTY BROWN PIECES AND TAN SILT (CARBONATITE RESIDUUM) -60% of unit is medium grey solid core pieces that appears to be hardened clay or possibly unusual weathering (picture taken) -20% dark brown and rusty brown solid core pieces that appears to be iron oxide rich sections -20% tan to tan brown silt -a contact between grey and dark rusty brown material was observed at 35° to CA -an unusual unit, possibly a section of residuum clay that has been compressed, or alteration near pyroxenite, or an unusual dike within carbonatite -well formed pieces ≤6 cm and unformed core	25 %

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From	To	Length	Lithological Code	Description	% Recovery
242.0				END OF HOLE	%

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Proposed Depth

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Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161931	15.50	17.00	1.50	0.39	6.46	3.98	13.93	50.53	4.32	0.61	0.154	Granite/Granodiorite Gneiss Residuum
A161932	17.00	18.50	1.50	0.29	5.23	2.82	10.50	33.04	3.28	0.44	4.7	Granite/Granodiorite Gneiss Residuum
A161933	18.50	20.00	1.50	0.39	7.81	5.04	13.80	45.94	5.50	0.70	0.204	Granite/Granodiorite Gneiss Residuum
A161934	20.00	21.50	1.50	0.30	4.92	2.68	11.10	33.78	3.28	0.37	3.63	Granite/Granodiorite Gneiss Residuum
A161935	21.50	23.00	1.50	0.17	5.46	2.86	14.48	56.02	2.43	0.52	0.134	Granite/Granodiorite Gneiss Residuum
A161936	23.00	24.50	1.50	0.06	4.52	1.89	10.70	38.87	1.32	0.36	3.34	Granite/Granodiorite Gneiss Residuum
A161937	24.50	26.00	1.50	0.15	5.20	2.45	14.92	57.67	2.72	0.50	0.114	Granite/Granodiorite Gneiss Residuum
A161938	26.00	27.50	1.50	0.27	7.82	3.00	14.87	50.58	3.63	0.66	0.169	Granite/Granodiorite Gneiss Residuum
A161939	27.50	29.00	1.50	0.38	7.38	3.04	14.91	51.24	3.66	0.69	0.169	Granite/Granodiorite Gneiss Residuum
A161940	29.00	30.50	1.50	0.37	7.20	3.22	14.67	51.06	4.25	0.63	0.498	Granite/Granodiorite Gneiss Residuum
A161941	30.50	32.00	1.50	0.22	4.59	2.16	15.44	57.12	2.99	0.44	0.181	Granite/Granodiorite Gneiss Residuum
A161942	32.00	32.75	0.75	0.21	5.56	2.83	14.60	57.21	1.64	0.47	0.134	Granite/Granodiorite Gneiss Residuum
A161943	32.75	33.50	0.75	0.08	4.42	1.84	10.87	39.73	1.04	0.31	0.167	Granite/Granodiorite Gneiss Residuum
A161944	33.50	35.00	1.50	0.08	6.73	2.70	14.07	57.72	1.94	0.57	0.168	Granite/Granodiorite Gneiss Residuum
A161945	35.00	36.50	1.50	0.11	8.77	2.52	12.97	57.00	1.83	0.61	0.193	Granite/Granodiorite Gneiss Residuum
A161946	36.50	38.00	1.50	0.03	7.55	2.14	13.82	59.08	2.13	0.60	0.173	Granite/Granodiorite Gneiss Residuum
A161947	38.00	39.50	1.50	0.00	5.36	1.27	10.67	39.87	1.69	0.35	0.172	Granite/Granodiorite Gneiss Residuum
A161948	39.50	41.00	1.50	0.04	6.03	2.06	14.10	60.98	2.03	0.51	0.158	Granite/Granodiorite Gneiss Residuum
A161949	41.00	42.50	1.50	0.03	4.84	1.45	13.90	63.28	1.81	0.42	0.13	Granite/Granodiorite Gneiss Residuum
A161950	42.50	44.00	1.50	-0.01	7.04	0.62	10.61	36.70	0.74	0.25	0.17	Granite/Granodiorite Gneiss Residuum
A161951	44.00	45.50	1.50	0.53	4.59	0.89	15.03	60.57	1.94	0.26	14.3	Granite/Granodiorite Gneiss Residuum
A161952	45.50	46.25	0.75	0.25	9.89	1.94	14.72	53.20	1.57	0.58	0.16	Granite/Granodiorite Gneiss Residuum

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161953	46.25	47.00	0.75	0.13	8.99	2.12	13.93	55.44	1.56	0.57	0.194	Granite/Granodiorite Gneiss Residuum
A161954	47.00	47.75	0.75	1.91	11.55	2.31	13.38	47.89	4.22	0.79	0.192	Granite/Granodiorite Gneiss Residuum
A161955	47.75	48.50	0.75	1.12	8.47	2.13	13.18	54.69	2.98	0.52	0.161	Granite/Granodiorite Gneiss Residuum
A161956	48.50	49.20	0.70	1.65	7.69	1.84	12.97	55.22	3.34	0.52	8.31	Granite/Granodiorite Gneiss Residuum
A161957	49.20	50.00	0.80	0.34	16.27	4.05	11.37	45.30	2.29	1.90	8.5	Pyroxenite Dike Residuum
A161958	50.00	50.75	0.75	0.31	16.15	4.14	10.88	44.13	3.06	2.14	7.46	Pyroxenite Dike Residuum
A161959	50.75	51.50	0.75	0.28	15.19	4.01	11.32	45.28	3.02	1.94	3.78	Pyroxenite Dike Residuum
A161960	51.50	51.90	0.40	0.41	13.44	3.78	11.49	48.77	3.51	1.37	6.37	Pyroxenite Dike Residuum
A161961	51.90	53.00	1.10	0.11	5.71	2.35	13.54	58.99	1.55	0.50	6.27	Granite/Granodiorite Gneiss Residuum
A161962	53.00	53.50	0.50	0.30	9.17	3.12	13.06	52.08	2.90	0.74	8.07	Gneiss Residuum and Common Pyroxenite Dike Residuum
A161963	53.50	54.50	1.00	0.45	15.24	3.82	11.80	45.31	3.54	1.44	13.6	Pyroxenite Dike Residuum
A161964	54.50	55.25	0.75	0.15	4.60	2.31	14.15	62.09	1.41	0.45	5.88	Granite/Granodiorite Gneiss Residuum
A161965	55.25	56.00	0.75	0.17	9.55	3.55	13.38	55.08	1.66	0.64	2.6	Granite/Granodiorite Gneiss Residuum
A161966	56.00	57.50	1.50	0.04	6.81	3.22	14.88	56.33	1.37	0.47	6.02	Granite/Granodiorite Gneiss Residuum
A161967	57.50	58.25	0.75	0.00	7.41	3.12	14.79	58.88	1.38	0.45	0.413	Granite/Granodiorite Gneiss Residuum
A161968	58.25	59.00	0.75	0.03	6.75	3.22	14.56	59.80	1.41	0.45	0.464	Granite/Granodiorite Gneiss Residuum
A161969	59.00	59.80	0.80	0.01	8.62	3.76	14.67	57.32	1.21	0.53	22.2	Granite/Granodiorite Gneiss Residuum
A161970	59.80	59.90	0.10	-0.02	17.33	1.74	5.50	58.77	0.60	0.20	11.3	Gneiss Residuum and Silicified Pyroxenite/Carbonatite Dike Residuum
A161971	59.90	60.50	0.60	0.17	9.37	3.63	14.19	56.34	1.40	0.47	0.764	Granite/Granodiorite Gneiss Residuum
A161972	60.50	61.25	0.75	0.01	6.99	3.59	15.06	59.49	1.00	0.44	6.88	Granite/Granodiorite Gneiss Residuum
A161973	61.25	62.00	0.75	0.02	7.26	3.54	14.99	59.56	1.04	0.45	3.29	Granite/Granodiorite Gneiss Residuum
A161974	62.00	62.75	0.75	0.00	6.68	3.42	14.51	61.61	1.24	0.42	22	Granite/Granodiorite Gneiss Residuum

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Elevation 239.73

Proposed Depth

Actual Depth 242

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161975	62.75	63.50	0.75	0.00	5.79	3.30	15.50	60.93	1.03	0.40	3.25	Granite/Granodiorite Gneiss Residuum
A161976	63.50	64.25	0.75	-0.01	6.73	3.27	14.61	60.78	1.26	0.38	5.34	Granite/Granodiorite Gneiss Residuum
A161977	64.25	65.00	0.75	0.07	8.08	3.61	13.53	59.12	1.71	0.48	4.91	Granite/Granodiorite Gneiss Residuum
A161978	65.00	65.75	0.75	0.14	9.35	3.84	13.84	57.64	1.46	0.65	20.9	Granite/Granodiorite Gneiss Residuum
A161979	65.75	66.50	0.75	0.00	7.00	3.39	15.02	60.94	1.24	0.49	16.6	Granite/Granodiorite Gneiss Residuum
A161980	66.50	67.25	0.75	-0.02	9.08	3.15	14.59	59.94	1.12	0.51	0.105	Granite/Granodiorite Gneiss Residuum
A161981	67.25	68.00	0.75	0.00	9.19	3.18	14.62	58.81	1.09	0.52	2.97	Granite/Granodiorite Gneiss Residuum
A161982	68.00	68.75	0.75	-0.02	6.18	2.72	15.81	61.84	0.97	0.37	0.078	Granite/Granodiorite Gneiss Residuum
A161983	68.75	69.50	0.75	0.09	10.02	2.69	14.82	56.68	1.30	0.44	0.14	Granite/Granodiorite Gneiss Residuum
A161984	69.50	69.80	0.30	0.19	10.81	2.46	15.67	54.64	1.57	0.45	0.125	Granite/Granodiorite Gneiss Residuum
A161985	69.80	70.20	0.40	1.05	18.01	2.20	10.34	50.38	2.84	0.44	3.61	Green Tan Silt (Pyroxenite/Carbonatite or Gneiss Residuum - Alteration/Fault Zone)
A161986	70.20	71.00	0.80	13.92	15.31	1.23	3.27	30.75	20.36	2.05	9.89	Brown Silt (Carbonatite Residuum)
A161987	71.00	72.50	1.50	14.89	14.34	0.66	1.60	36.51	20.68	0.77	13.1	Brown Silt and Silicified Silt Pieces (Carbonatite Residuum)
A161988	72.50	74.00	1.50	16.20	21.59	0.72	1.47	26.62	21.80	1.73	2.6	Brown Silt and Silicified Silt Pieces (Carbonatite Residuum)
A161989	74.00	75.50	1.50	12.26	8.30	0.38	0.92	52.07	16.48	0.54	0.549	Brown Silt and Silicified Silt Pieces (Carbonatite Residuum)
A161990	75.50	77.00	1.50	11.19	13.42	0.54	2.42	45.42	14.35	1.46	0.391	Brown Silt and Silicified Silt Pieces (Carbonatite Residuum)
A161991	77.00	78.50	1.50	2.12	6.08	-0.01	0.15	84.93	2.87	0.32	0.3	Strongly Silicified Residuum Pieces (Carbonatite Residuum/Fault Gouge)
A161992	78.50	80.00	1.50	4.30	14.91	0.24	2.08	60.51	5.40	0.93	7.41	Silicified Pieces and Brown Silt (Carbonatite Residuum)
A161993	80.00	81.50	1.50	2.14	11.58	0.02	0.19	78.04	2.80	0.33	0.162	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A161994	81.50	83.00	1.50	3.58	9.55	0.07	0.52	75.22	4.64	0.43	3.85	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A161995	83.00	84.50	1.50	2.79	6.48	0.04	0.26	83.24	3.84	0.55	0.294	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A161996	84.50	86.00	1.50	2.94	9.97	0.07	0.14	78.59	4.02	0.47	3.74	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A161997	86.00	87.20	1.20	3.02	30.66	0.13	0.26	47.29	2.93	0.33	0.514	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A161998	87.20	87.50	0.30	17.18	25.55	0.29	0.68	25.09	21.55	1.58	5.52	Brown Silt and Silicified Pieces (Carbonatite Residuum)
A161999	87.50	89.00	1.50	13.94	24.46	0.25	0.64	32.35	17.14	1.28	1.85	Brown Silt and Silicified Pieces (Carbonatite Residuum)
A162000	89.00	90.50	1.50	8.67	20.27	0.16	0.35	48.06	11.02	0.72	15.1	Brown Silt and Silicified Pieces (Carbonatite Residuum)
A162001	90.50	92.00	1.50	2.71	10.70	0.01	0.17	77.41	3.64	0.29	22.3	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A162002	92.00	93.50	1.50	4.08	11.67	0.10	0.34	70.78	5.57	0.39	1.94	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A162003	93.50	95.00	1.50	3.69	9.16	0.41	4.13	68.48	5.33	0.46	2.49	Brown Silt and Silicified Pieces (Carbonatite Residuum)
A162004	95.00	95.75	0.75	18.46	15.05	0.38	3.44	26.41	24.38	1.42	1.47	Tan and Orange Brown Silt (Carbonatite Residuum)
A162005	95.75	96.50	0.75	28.88	16.39	0.26	0.86	7.81	38.08	1.28	16.2	Tan and Orange Brown Silt (Carbonatite Residuum)
A162006	96.50	98.00	1.50	11.21	11.69	0.26	1.04	51.88	14.80	0.82	2.37	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A162007	98.00	99.50	1.50	3.51	8.07	0.22	0.71	77.47	4.81	0.41	5.89	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A162008	99.50	99.80	0.30	2.30	7.70	0.69	1.24	80.34	3.44	0.58	1.07	Silicified Pieces and Minor Brown Silt (Carbonatite Residuum)
A162009	99.80	100.60	0.80	6.45	21.34	2.43	2.38	41.15	9.73	0.71	25.1	Bright Green and Brown Silt and Silicified Pieces (Pyroxenite and Carbonatite Residuum)
A162010	100.60	101.00	0.40	9.21	19.66	5.50	3.24	28.28	13.88	0.79	8.22	Green, Tan, and Brown Silt (Carbonatite and Pyroxenite Residuum)
A162011	101.00	101.80	0.80	0.07	30.48	5.94	6.69	32.90	2.86	5.23	17.6	Strongly Weathered Pyroxenite
A162012	101.80	102.50	0.70	2.77	31.06	5.22	5.16	26.73	5.25	2.85	36	Green, Tan, and Brown Silt (Pyroxenite and Carbonatite Residuum)
A162013	102.50	103.30	0.80	3.59	22.80	4.59	6.37	36.09	7.34	4.64	2.08	Green, Tan, and Brown Silt with Pyroxenite and Silicified Pieces (Pyroxenite and Carbonatite Residuum)
A162014	103.30	104.00	0.70	5.41	19.69	6.02	8.07	33.22	9.11	4.02	16	Brown Tan and Blue Green Silt with Minor Mica/Vermiculite (Carbonatite and Pyroxenite Residuum)
A162015	104.00	104.75	0.75	28.74	17.19	0.59	0.94	7.53	38.46	1.02	30.9	Brown Silt (Carbonatite Residuum)
A162016	104.75	105.50	0.75	9.77	28.30	1.72	4.41	24.72	13.39	2.41	11.7	Brown Silt (Carbonatite Residuum)
A162017	105.50	107.00	1.50	12.63	11.37	0.69	1.93	46.30	16.82	1.10	1.82	Brown Silt and Silicified Pieces (Carbonatite Residuum)
A162018	107.00	108.50	1.50	13.72	25.68	0.48	2.89	26.67	16.76	2.20	16.2	Brown Silt (Carbonatite Residuum)

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Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162019	108.50	111.50	3.00	4.03	8.11	0.23	1.35	74.96	5.63	0.47	2.13	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162020	111.50	113.00	1.50	2.90	7.24	0.18	0.84	78.98	3.93	0.44	5.23	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162021	113.00	114.50	1.50	1.12	5.47	0.12	0.65	86.59	1.57	0.31	0.397	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162022	114.50	116.00	1.50	0.41	7.54	0.10	1.14	86.69	0.49	0.70	4.53	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162023	116.00	117.50	1.50	2.27	10.02	0.20	2.02	76.22	2.82	1.49	0.349	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162024	117.50	119.00	1.50	6.66	7.96	0.23	0.66	67.08	8.38	0.77	3.95	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162025	119.00	120.50	1.50	5.90	9.06	0.21	0.30	70.09	7.71	0.47	1.04	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162026	120.50	122.00	1.50	6.25	8.44	0.17	0.47	70.42	8.18	0.54	12.9	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162027	122.00	123.50	1.50	6.33	7.54	0.16	0.27	70.57	8.41	0.41	0.869	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162028	123.50	125.00	1.50	4.31	8.15	0.12	0.27	76.48	5.70	0.47	10.5	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162029	125.00	126.50	1.50	8.08	7.42	0.16	0.42	66.00	10.47	0.52	0.387	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162030	126.50	128.00	1.50	5.25	6.32	0.10	0.27	75.10	6.99	0.41	4.78	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162031	129.50	131.00	1.50	8.35	7.02	0.13	0.28	66.21	10.82	0.47	0.156	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162032	131.00	132.50	1.50	7.72	6.03	0.10	0.37	69.19	10.03	0.43	4.33	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162033	132.50	134.00	1.50	4.51	3.93	0.08	0.55	81.23	6.06	0.20	3.36	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162034	134.00	135.50	1.50	4.92	6.89	0.17	2.65	73.28	6.25	0.78	4.19	Brown Silt with Common Silicified Weathered Carbonatite Pieces
A162035	135.50	137.00	1.50	7.36	6.36	0.15	0.48	70.03	9.64	0.39	4.06	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162036	137.00	138.50	1.50	6.52	6.40	0.18	0.51	71.93	8.52	0.28	4.4	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162037	138.50	140.00	1.50	4.32	6.11	0.18	0.55	79.01	5.80	0.44	7.17	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162038	140.00	141.50	1.50	6.38	7.72	0.17	0.59	70.61	8.21	0.48	0.98	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162039	141.50	143.00	1.50	5.00	12.78	0.18	0.49	67.53	6.51	0.92	4.49	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162040	143.00	144.50	1.50	4.06	15.60	0.20	0.54	66.32	5.31	1.17	0.84	Silicified Weathered Carbonatite and Minor Local Brown Silt

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North 5461400.65

Start Date 12/2/2004

East 366835.77

End Date 12/8/2004

Elevation 239.73

Proposed Depth

Actual Depth 242

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162041	144.50	146.00	1.50	8.43	7.69	0.20	0.89	65.28	10.55	0.39	6.54	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162042	146.00	147.50	1.50	7.50	8.42	0.16	0.45	67.40	9.56	0.42	13.8	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162043	147.50	148.10	0.60	11.91	12.00	0.27	0.75	52.06	15.11	0.65	8.74	Silicified Weathered Carbonatite and Minor Local Brown Silt
A162044	148.10	149.00	0.90	11.64	12.65	0.25	0.71	51.70	14.97	0.71	9.67	Tan Brown Silt and Minor Silicified Weathered Carbonatite Pieces
A162045	149.00	150.00	1.00	12.51	13.00	0.29	0.64	49.93	15.89	0.72	23.5	Silicified Weathered Carbonatite Pieces
A162046	150.00	150.50	0.50	13.48	9.87	0.27	0.56	51.99	17.36	0.63	10.5	Silicified Weathered Carbonatite and Common Brown Silt
A162047	150.50	152.00	1.50	11.25	24.12	0.33	1.14	42.73	14.24	1.63	44.7	Silicified Weathered Carbonatite and Common Brown Silt
A162048	152.00	153.50	1.50	13.15	8.97	0.29	0.80	53.43	17.03	0.54	13	Silicified Weathered Carbonatite and Common Brown Silt
A162049	153.50	155.00	1.50	14.86	14.19	0.28	0.56	42.86	18.99	0.69	7.91	Silicified Weathered Carbonatite and Common Brown Silt
A162050	155.00	156.50	1.50	4.98	6.45	0.20	0.23	75.81	6.63	0.22	9.47	Silicified Weathered Carbonatite Pieces
A162051	156.50	157.20	0.70	24.79	13.55	0.34	1.58	18.96	32.09	1.04	3.29	Brown Silt (Carbonatite Residuum)
A162052	157.20	158.00	0.80	21.02	10.05	0.33	1.13	31.28	26.95	0.65	5.1	Silicified Weathered Carbonatite Pieces and Common Brown Silt
A162053	158.00	158.75	0.75	9.96	11.42	0.28	1.00	54.60	12.80	0.36	3.51	Silicified Weathered Carbonatite Pieces and Common Brown Silt
A162054	158.75	159.50	0.75	10.32	15.14	0.35	1.23	51.98	13.20	1.27	16.9	Silicified Weathered Carbonatite Pieces and Common Brown Silt
A162055	159.50	161.00	1.50	13.92	12.74	0.31	0.83	44.48	17.64	0.93	4.97	Silicified Weathered Carbonatite Pieces and Common Brown Silt
A162056	161.00	162.50	1.50	10.23	9.50	0.25	0.63	58.70	13.24	0.67	2.32	Silicified Weathered Carbonatite Pieces
A162057	162.50	164.00	1.50	9.82	10.03	0.23	0.47	58.94	12.64	0.60	5.18	Silicified Weathered Carbonatite Pieces and Common Brown Silt
A162058	164.00	165.50	1.50	7.59	7.01	0.22	0.58	67.57	9.99	0.39	1.12	Silicified Weathered Carbonatite Pieces
A162059	165.50	167.00	1.50	13.30	14.44	0.22	0.39	47.35	17.02	0.55	23.9	Silicified Weathered Carbonatite Pieces and Common Brown Silt
A162060	167.00	168.50	1.50	7.88	13.85	0.21	0.68	58.08	10.04	0.53	8.49	Silicified Weathered Carbonatite Pieces and Common Brown Silt
A162061	170.00	171.50	1.50	5.74	5.67	0.13	0.21	74.78	7.65	0.18	4.22	Silicified Weathered Carbonatite Pieces and Rare Brown Silt
A162062	171.50	173.00	1.50	7.71	14.61	0.21	0.20	60.33	10.14	0.46	14.2	Silicified Weathered Carbonatite Pieces and Rare Brown Silt

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162063	173.00	174.50	1.50	7.54	8.86	0.15	0.36	66.19	9.84	0.43	8.27	Silicified Weathered Carbonatite Pieces and Rare Brown Silt
A162064	174.50	176.00	1.50	4.82	6.73	0.10	0.20	76.78	6.43	0.26	4.32	Silicified Weathered Carbonatite Pieces and Rare Brown Silt
A162065	176.00	177.50	1.50	4.41	19.12	0.11	0.16	58.37	5.13	0.12	3.75	Silicified Weathered Carbonatite Pieces and Rare Brown Silt
A162066	177.50	179.00	1.50	5.65	6.68	0.11	0.23	74.00	7.46	0.19	1.87	Silicified Weathered Carbonatite Pieces and Rare Brown Silt
A162067	179.00	180.50	1.50	13.16	29.51	0.26	0.40	28.97	16.05	0.22	23.7	Brown Silt and Minor Silicified Weathered Carbonatite Pieces
A162068	180.50	182.00	1.50	4.65	28.19	0.17	0.17	49.53	5.28	0.29	1.53	Silicified Weathered Carbonatite Pieces and Minor Brown Silt
A162069	182.00	182.75	0.75	7.81	15.95	0.16	0.29	57.84	9.84	0.53	12.9	Silicified Weathered Carbonatite Pieces and Minor Brown Silt
A162070	182.75	183.50	0.75	6.99	10.31	0.14	0.32	66.69	8.91	0.49	7.5	Silicified Weathered Carbonatite Pieces and Minor Brown Silt
A162071	183.50	185.00	1.50	7.63	24.90	0.19	0.28	45.75	9.35	0.36	1.66	Silicified Weathered Carbonatite Pieces and Minor Brown Silt
A162072	185.00	186.50	1.50	11.73	41.47	0.32	0.40	18.74	13.98	0.49	0.647	Silicified Weathered Carbonatite Pieces and Brown Silt
A162073	186.50	188.00	1.50	8.08	30.29	0.22	0.31	38.00	9.44	0.37	0.444	Silicified Weathered Carbonatite Pieces and Brown Silt
A162074	188.00	189.50	1.50	6.21	23.95	0.18	0.18	50.43	7.45	0.37	5.13	Silicified Weathered Carbonatite Pieces and Minor Brown Silt
A162075	189.50	191.00	1.50	12.43	27.58	0.29	0.36	32.03	15.21	0.69	2.95	Silicified Weathered Carbonatite Pieces and Brown Silt
A162076	191.00	192.50	1.50	13.64	24.02	0.28	0.43	33.63	16.94	0.79	9.03	Silicified Weathered Carbonatite Pieces and Brown Silt
A162077	192.50	194.00	1.50	10.83	28.74	0.25	0.32	34.08	13.18	0.45	4.14	Silicified Weathered Carbonatite Pieces and Brown Silt
A162078	194.00	195.50	1.50	10.86	15.38	0.21	0.30	48.41	13.91	0.45	2.13	Tan, Orange Brown, and Minor Cream Silt and Silicified Weathered Carbonatite Pieces
A162079	195.50	196.25	0.75	20.88	17.59	0.30	0.39	23.43	27.53	0.45	1.27	Tan, Orange Brown, and Minor Cream Silt and Silicified Weathered Carbonatite Pieces
A162080	196.25	197.00	0.75	16.89	41.50	0.34	0.73	7.86	21.42	0.26	0.477	Tan, Orange Brown, and Minor Cream Silt and Silicified Weathered Carbonatite Pieces
A162081	197.00	197.75	0.75	20.43	26.72	0.28	0.35	15.73	26.49	0.46	1.46	Tan, Orange Brown, and Minor Cream Silt (Carbonatite Residuum)
A162082	197.75	198.50	0.75	10.23	24.13	0.24	0.47	41.87	12.90	0.87	11.8	Tan, Orange Brown, and Minor Cream Silt and Silicified Weathered Carbonatite Pieces
A162083	198.50	199.00	0.50	16.79	15.38	0.25	0.39	34.95	21.53	0.39	4.43	Tan, Orange Brown, and Minor Cream Silt and Silicified Weathered Carbonatite Pieces
A162084	199.00	200.00	1.00	17.43	37.73	0.36	1.04	9.09	21.95	0.53	1.98	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162085	200.00	200.75	0.75	20.90	34.90	0.35	0.42	4.44	27.92	0.30	0.718	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)
A162086	200.75	201.50	0.75	23.29	26.99	0.34	0.35	7.12	31.34	0.20	0.144	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)
A162087	201.50	202.25	0.75	24.44	26.51	0.34	0.28	4.84	33.14	0.14	0.101	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)
A162088	202.25	203.00	0.75	23.50	29.66	0.34	0.28	4.67	31.58	0.10	0.099	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)
A162089	203.00	203.75	0.75	24.58	24.77	0.31	0.33	6.75	32.91	0.30	0.195	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)
A162090	203.75	204.50	0.75	22.30	31.99	0.32	0.36	6.18	29.27	0.34	0.256	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)
A162091	204.50	205.30	0.80	12.94	27.11	0.77	4.27	22.20	16.71	1.26	1.27	Tan, Orange, Brown, and Minor Cream Silt (Carbonatite Residuum)
A162092	205.30	205.50	0.20	1.75	32.43	1.80	11.60	28.57	2.05	2.39	0.211	Red Brown Silt and Minor Clay (Pyroxenite/Carbonatite Residuum)
A162093	205.50	206.00	0.50	0.57	19.34	2.58	12.44	44.96	1.30	2.26	0.145	Strongly Weathered Pyroxenite to Green Tan and Brown Silt
A162094	206.00	206.75	0.75	0.90	19.30	3.32	12.14	40.98	1.83	2.20	0.31	Strongly Weathered Pyroxenite to Green Tan and Brown Silt
A162095	206.75	207.50	0.75	0.35	14.78	3.64	13.65	45.94	1.12	2.29	0.616	Strongly Weathered Pyroxenite to Green Tan and Brown Silt
A162096	207.50	208.25	0.75	0.42	15.22	2.86	13.61	46.11	1.26	2.52	0.154	Strongly Weathered Pyroxenite to Green Tan and Brown Silt
A162097	208.25	209.00	0.75	0.54	21.62	1.88	12.32	41.05	0.93	2.22	0.156	Strongly Weathered Pyroxenite to Green Tan and Brown Silt
A162098	209.00	209.75	0.75	0.49	21.27	1.65	12.75	42.31	0.65	2.52	0.189	Strongly Weathered Pyroxenite to Green Tan and Brown Silt
A162099	209.75	210.50	0.75	0.50	19.24	1.66	15.34	41.74	0.66	2.57	0.142	Strongly Weathered Pyroxenite to Green Tan and Brown Silt
A162100	210.50	211.25	0.75	1.06	32.18	1.29	12.32	29.75	1.01	2.41	0.166	Orange Brown, Red Brown, and Green Tan Silt and Minor Clay (Pyroxenite Residuum)
A162101	211.25	212.00	0.75	1.15	36.52	1.08	11.44	26.71	0.71	2.42	0.23	Orange Brown, Red Brown, and Green Tan Silt and Minor Clay (Pyroxenite Residuum)
A162102	212.00	212.90	0.90	1.43	29.19	1.34	13.91	31.02	1.19	2.79	0.183	Brown and Green Strongly Weathered Pyroxenite
A162103	212.90	213.50	0.60	17.75	22.00	0.40	1.48	22.27	23.30	0.31	0.106	Tan, Orange Brown, and Minor Cream Silt (Carbonatite Residuum)
A162104	213.50	214.25	0.75	2.53	40.86	0.97	11.68	20.84	1.92	2.57	0.191	Red Brown and Grey Green Silt to Weathered Pyroxenite
A162105	214.25	215.10	0.85	3.33	33.89	0.92	12.08	25.52	3.52	2.69	0.164	Red Brown and Grey Green Silt to Weathered Pyroxenite
A162106	215.10	215.75	0.65	28.75	16.94	0.33	0.73	5.72	40.02	0.26	0.087	Orange Brown, Tan, and Minor Cream and Brown Silt (Carbonatite Residuum)

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A162107	215.75	216.50	0.75	24.29	29.04	0.35	1.19	3.84	32.30	0.21	0.174	Orange Brown, Tan, and Minor Cream and Brown Silt (Carbonatite Residuum)
A162108	216.50	217.25	0.75	22.34	35.06	0.36	1.13	3.35	28.97	0.18	0.124	Orange Brown, Tan, and Minor Cream and Brown Silt (Carbonatite Residuum)
A162109	217.25	218.00	0.75	19.29	45.29	0.33	0.48	2.64	23.83	0.10	0.222	Orange Brown, Tan, and Minor Cream and Brown Silt (Carbonatite Residuum)
A162110	218.00	218.75	0.75	35.58	6.04	0.24	0.50	3.31	49.32	0.09	0.027	Orange Brown, Tan, and Minor Cream and Brown Silt (Carbonatite Residuum)
A162111	218.75	219.20	0.45	30.15	18.34	0.29	0.39	2.73	40.28	0.08	0.088	Orange Brown, Tan, and Minor Cream and Brown Silt (Carbonatite Residuum)
A162112	219.20	219.50	0.30	30.50	16.00	0.17	0.26	5.12	31.66	0.29	0.032	Grey and Common Cream Silt (Carbonatite Residuum)
A162113	219.50	220.20	0.70	31.62	10.29	0.19	0.32	8.67	36.76	0.62	0.063	Grey and Common Cream Silt (Carbonatite Residuum)
A162114	220.20	221.00	0.80	22.62	23.62	0.39	1.39	10.51	30.39	0.74	0.151	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162115	221.00	221.75	0.75	17.16	23.73	0.30	0.62	23.67	21.91	0.50	0.166	Tan, Cream, Orange Brown, and Brown Silt and Minor Weathered Carbonatite Pieces
A162116	221.75	222.50	0.75	20.05	12.10	0.30	0.59	27.66	26.92	0.40	0.095	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162117	222.50	223.25	0.75	23.53	11.73	0.30	0.58	21.67	32.14	0.42	0.105	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162118	223.25	224.00	0.75	29.40	10.48	0.29	0.76	9.06	41.29	0.68	0.089	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162119	224.00	224.50	0.50	23.76	5.09	0.25	0.38	30.05	32.67	0.32	0.132	Tan, Cream, Orange Brown, and Brown Silt and Weathered Carbonatite Pieces
A162120	224.50	225.50	1.00	29.30	5.19	0.26	0.31	16.81	40.97	0.12	0.092	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162121	225.50	226.25	0.75	29.97	3.12	0.25	0.44	19.01	41.00	0.13	0.088	Tan, Cream, Orange Brown, and Brown Silt and Weathered Carbonatite Pieces
A162122	226.25	227.00	0.75	30.95	9.74	0.29	0.47	7.15	43.80	0.11	0.125	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162123	227.00	227.75	0.75	23.69	21.33	0.40	1.18	9.01	32.82	0.26	0.18	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162124	227.75	228.50	0.75	26.56	17.42	0.37	1.11	7.56	37.05	0.22	0.106	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162125	228.50	229.25	0.75	29.08	14.36	0.30	0.36	7.66	40.48	0.09	0.127	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162126	229.25	230.00	0.75	19.58	19.36	0.31	0.48	21.47	26.70	0.13	0.099	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162127	230.00	230.75	0.75	22.00	6.32	0.29	0.35	30.60	31.56	0.10	0.1	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162128	230.75	231.50	0.75	27.97	5.52	0.28	0.35	19.15	38.94	0.27	0.178	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)

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Start Date 12/2/2004

East 366835.77

End Date 12/8/2004

Elevation 239.73

Proposed Depth

Actual Depth 242

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162129	231.50	232.25	0.75	22.74	16.75	0.35	0.56	18.53	30.66	0.94	1.16	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162130	232.25	233.00	0.75	22.27	7.48	0.33	0.49	30.54	29.96	0.68	0.552	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162131	233.00	233.40	0.40	23.54	8.66	0.32	0.60	25.70	31.37	1.01	0.482	Tan, Cream, Orange Brown, and Brown Silt and Weathered Carbonatite Pieces
A162132	233.40	234.50	1.10	20.17	9.18	0.38	0.65	33.58	26.54	0.87	2.64	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162133	234.50	235.25	0.75	28.39	11.80	0.38	0.79	11.97	38.35	1.13	2.98	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162134	235.25	236.10	0.85	27.71	12.94	0.42	0.91	10.81	37.56	0.80	4.26	Tan, Cream, Orange Brown, and Brown Silt (Carbonatite Residuum)
A162135	236.10	236.40	0.30	15.75	19.14	0.51	0.41	30.21	21.21	0.82	0.707	Strongly Weathered Pyroxenite/Carbonatite and Bright Green Clay
A162136	236.40	237.10	0.70	25.37	14.38	0.47	0.83	13.21	34.49	0.84	1.76	Pink, Tan, and Orange Brown Silt (Carbonatite Residuum)
A162137	237.10	237.40	0.30	20.14	17.82	0.68	0.91	20.25	27.52	0.46	0.252	Bright Green Clay and Dark Brown Silt (Pyroxenite/Carbonatite Residuum)
A162138	237.40	237.50	0.10	25.52	16.96	0.40	1.22	10.15	34.79	0.74	2.9	Orange Brown Silt (Carbonatite Residuum)
A162139	237.50	238.40	0.90	2.33	15.07	2.52	13.93	42.28	2.42	2.41	0.173	Tan and Orange Clayey Silt (Pyroxenite Residuum)
A162140	238.40	239.00	0.60	1.46	18.27	4.96	11.32	36.81	2.20	2.06	5.75	Dark Green Silty Clay (Pyroxenite Residuum)
A162141	239.00	240.10	1.10	0.69	19.82	5.83	11.31	35.96	1.18	2.12	0.248	Strongly Weathered Pyroxenite and Minor Tan Clayey Silt
A162142	240.10	240.50	0.40	2.53	15.44	2.82	11.70	38.51	2.95	2.17	13.1	Tan Brown Silt (Carbonatite? Residuum)
A162143	240.50	241.20	0.70	6.76	21.94	3.01	9.04	29.26	9.43	1.78	0.645	Tan Brown Silt (Carbonatite? Residuum)
A162144	241.20	242.00	0.80	11.58	30.73	1.17	5.83	18.90	15.87	1.36	4.27	Grey and Common Dark Brown Pieces and Tan Silt (Carbonatite Residuum)

**Kapuskasing Phosphate Operation
Exploration Drilling**

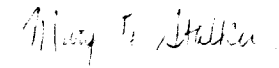
Northing: 5461401.87
Easting: 366790.43
Elevation: 239.95
Depth: 116
Azimuth: 90
Dip: -75

SUMMARY LOG

Drillhole Attitude Tests: No

Township: Cargill
Claim number: P413076 & P413077 (collar)/104395/CLM300
Drilling Contractor: Norex Drilling
Drilling Start Date: 12/8/2004
Drilling End Date: 12/15/2004
Core Size: HQ
Casing: No
Hole Cemented: No
Why drillhole terminated: Rods tightened
Logged by: M. Stalker
Date Logged: 1/9/2005
Number of boxes: 19
Number of assays: 89
Number of ICP: 0
Rejects/Pulps saved: Yes
Core Stored: Agrium Minesite
Pictures: Yes
Geotechnical Log: Yes

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	10.5	Clay
10.5	19.8	Till
19.8	116.0	Gneiss Residuum
		64.9-65.5 - Weathered Ultramafic Dike?
		75.1-75.4 - Weathered Pyroxenite Dike
		85.6-88.0 - Pyroxenite Dike Residuum
		92.2-93.5 - Pyroxenite Dike Residuum
		96.4-97.8 - Pyroxenite Dike Residuum
		110.0-115.1 - Pyroxenite Dike Residuum and Gneiss Residuum
		End of Hole



Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-04-246

North 5461401.87

Start Date 12/8/2004

East 366790.432

End Date 12/15/2004

Elevation 239.953

Proposed Depth

Actual Depth 116

Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	6.5 m	6.5 m	799	LOST CORE	0 %
6.5 m	8.0 m	1.5 m	714	BROWN VARVED CLAY -medium and dark brown clay with minor beige clay as fragments and wispy bands to irregular thin (≤ 2 mm) non-typical varves, may be clay without varves but with unusual fragments -poor recovery and deformed by drilling but varves appear to be from 0-90° to CA and folded -poorly formed core -lower contact in lost core	3 %
8.0 m	9.5 m	1.5 m	799	LOST CORE	0 %
9.5 m	10.5 m	1.0 m	714	BROWN VARVED CLAY -light to dark grey brown clay and mirror beige clay in fragments and rough thin bands to irregular thin (≤ 2 mm) non-typical varves -poor recovery and deformed by drilling but varves appears to be from 0-90° to CA and folded -unit may be clay without varves but with unusual fragments -poorly formed core -lower contact in lost core	3 %

Agrium

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From	To	Length	Lithological Code	Description	% Recovery
10.5 m	14.7 m	4.2 m	717	BOULDERS (TILL) -heterogenous subangular to angular boulders (≤ 15 cm) with rare local clay -well formed boulders -lower contact in lost core	15 %
14.7 m	19.8 m	5.1 m	717	BOULDER TILL -light to medium grey brown silty clay with 25% heterogenous subangular to angular boulders (≤ 30 cm) overall but mainly 10% boulders with local large boulders -moderately formed core -lower contact in lost core	76 %

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East 366790.432

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Proposed Depth

Actual Depth 116

Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
19.8 m	85.6 m	65.8 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -medium and dark green, cream, pink to brick red, tan, and minor clear transparent silt, sand, and clay and pieces of granite to granodiorite gneiss (≤ 4 cm) -common mica flakes locally that are ≤ 0.5 cm but mainly ≤ 1 mm -typical gneiss residuum, crumbly -locally banded at 50-75° to CA but mainly 50-60° to CA -gneiss remnants are mainly felsic rich -local (as listed) sections of solid strongly weathered gneiss that tends to be more felsic than average gneiss -unformed to well formed core, mainly poorly and moderately formed -lower contact in lost core 19.8-20.0 - mixing of till and gneiss residuum especially close to upper contact @27.6 - common dark grey brown clay possibly a thin weathered pyroxenite dike @28.1 - orange brown, tan, and dark brown silt and clay, possibly a thin weathered pyroxenite dike at 50° to CA 34.1-34.2 - minor brown clay possibly thin dikes in bands at 60° to CA 39.5-41.0 - very poor recovery, slightly more solid pieces @50.4 - a band of pebbles (≤ 1 cm), contamination from uphole, most removed but may still be some in sample 51.1-51.5 - abundant pebbles (≤ 3 cm) and sand contamination from uphole, most removed but may still be some in sample @51.9 - 1cm band of dark brown clay at 70° to CA, possible thin dike (pyroxenite?) 54.2-55.7 - strongly weathered gneiss pieces (≤ 12 cm) with common gneiss residuum - brick red, cream, and green, more felsic than average gneiss residuum but still with mafic mineral rich bands - lower contact sharp at 45° to CA 62.4-63.3 - slightly harder and more solid gneiss residuum 64.9-65.5 - Weathered Ultramafic Dike? - medium green to bright lime green and bronze speckled with green dominate towards contacts	46 %

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From	To	Length	Lithological Code	Description	% Recovery
				(picture taken) - green material is silt and clay and bronze material is fine (≤ 2 mm) mica/vermiculite flakes - banding observed only near contacts at 70° to CA near upper contact and 35° to CA near lower contact - probably a pyroxenite dike but possibly another ultramafic dike or very mafic section of gneiss residuum - contacts in lost core but appear sharp possibly at 55° to CA	
				75.1-75.4 - Strongly Weathered Pyroxenite Dike - medium to dark grey brown, fine grained, mainly solid pieces (≤ 6 cm) but locally broken to silt and clay - commonly moderately magnetic - probably a pyroxenite dike that has been strongly weathered but possibly a different type of ultramafic dike - contacts in lost core	
				76.3-76.6 - common pebbles to coarse grained sand contamination from uphole, mainly removed but may still be contaminating sample	
				76.6-78.5 - boulders (≤ 7 cm) contamination from uphole, most removed but may still be contaminating sample - only minor gneiss residuum, very poor recovery	
				@ 84.6 - 5cm dark khaki brown clay band with gneiss residuum band at 70° to CA - probably thin pyroxenite dike with xenolith of gneiss - contacts in lost core	
85.6 m	86.0 m	0.4 m	720	BROWN AND GREEN CLAY AND SILT (PYROXENITE DIKE RESIDUUM) -tan brown to brown tan with patches and speckles of cream green to light green clay and silt -blocky instead of crumbly, a definite textural difference from unit above -probably quenched pyroxenite or possibly another ultramafic dike residuum but possibly carbonatite residuum -unformed to moderately formed core -lower contact in lost core	38 %

Agrium

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From	To	Length	Lithological Code	Description	% Recovery
86.0 m	87.5 m	1.5 m	712	WEATHERED PYROXENITE DIKE TO DIKE RESIDUUM WITH MINOR GNEISS XENOLITHS -medium and dark purple brown and dark brown, fine grained, solid core pieces (≤ 12 cm) that easily crumble to silt and clay -10% pink and cream granite/granodiorite gneiss and gneiss residuum xenoliths that are oriented at 60° to CA -moderately and strongly magnetic throughout -probably strongly weathered pyroxenite dike with gneiss xenoliths but may be another type of ultramafic dike -well formed pieces -lower contact in lost core	30 %
87.5 m	88.0 m	0.5 m	720	FRACTURED WEATHERED PYROXENITE DIKE AND DIKE RESIDUUM -60% strongly fractured pieces of solid core weathered ultramafic dike as in 86.0-87.5m -40% brown and green clay and silt as in 85.6-86.0m found especially towards lower contact -probably a pyroxenite or another type of ultramafic dike with alteration due to quenching -unformed core -lower contact in lost core but possibly at 45° to CA	40 %
88.0 m	92.2 m	4.2 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -tan, cream, and minor pink and orange brown silt, clay, minor sand, and pieces of gneiss (≤ 0.5 cm) -more uniform tan coloured and siltier than typical -possibly a mix of gneiss residuum and pyroxenite/carbonatite residuum throughout as locally blockier, silt and clay rich, and locally slightly green tan -unformed to moderately formed core -lower contact in lost core 89.1-89.7 - medium khaki brown, tan brown, and light green silt and minor clay - probably one or more ultramafic (pyroxenite) dikes with gneiss xenolith residuum but may all be gneiss - contacts in lost core	49 %



**Kapuskasing Phosphate Operation
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Proposed Depth

Actual Depth 116

Number of Boxes 19

Start Date 12/8/2004

End Date 12/15/2004

From	To	Length	Lithological Code	Description	% Recovery
92.2 m	93.5 m	1.3 m	720	TAN SILT AND WEATHERED PYROXENITE DIKE PIECES -tan and light green brown silt and clay grading to pieces (≤ 4 cm) of medium khaki brown, weakly magnetic, strongly weathered, ultramafic dike found especially near lower contact (30% of unit) -minor (<10%) xenoliths of gneiss residuum -unformed and moderately formed core with well formed pieces -lower contact in lost core 92.2-92.3 - unit starts with a 4 cm band of light tan green clay and minor silt - lower contact sharp at 45° to CA	46 %
93.5 m	96.4 m	2.9 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -similar to 88.0-92.2m but with more common pink material, and with probable patches and thin bands of ultramafic dike residuum -unformed and poorly formed core -lower contact in lost core	43 %
96.4 m	97.8 m	1.4 m	720	TAN SILT AND WEATHERED PYROXENITE DIKE PIECES LOCALLY BANDED (FAULT ZONE?) -similar to 92.2-93.5m but with silt and clay mainly found from 96.4-96.5m, and 75% strongly weathered pyroxenite dike pieces (≤ 5 cm) -near lower contact unit is thinly banded (≤ 0.5 cm) at 35° to CA with tan and purple brown probably pyroxenite, and pink and cream bands that may be gneiss residuum -bands have a sheared and stretched look and may be a fault zone -well formed pieces and unformed core -lower contact in lost core	21 %

Agrium

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Proposed Depth

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From	To	Length	Lithological Code	Description	% Recovery
97.8 m	110.0 m	12.2 m	720	<p>FRACTURED GRANITE/GRANODIORITE GNEISS RESIDUUM TO WEATHERED GNEISS (FAULT ZONE?)</p> <ul style="list-style-type: none">-pink to brick red and common cream, green tan, and medium to dark khaki green-dominantly felsic but with mafic material-30% typical crumbly gneiss residuum and 10% strongly weathered harder gneiss pieces but most of zone is strongly fractured solid core pieces (≤ 13cm)-abundant small fractures in many directions that commonly give a small scale blocky texture (shattered look)-mainly patchy rather than banded but where bands are observed they are at 0-20° to CA-minor probable ultramafic dike (pyroxenite) fragment or xenoliths (picture taken)-most of unit has a chaotic look more like fault gouge while the rest of unit has a more typical weathered gneiss and gneiss residuum texture with banding at approximately 55° to CA-may be a mix of fragments in fault zone-possibly not a fault zone but shattered texture, mixture of fragments, and two directions of banding indicate probable blocks of gneiss within gneiss fault gouge material-unformed and moderately to well formed core-lower contact in lost core <p>108.2-108.5 - a 13cm piece of moderately weathered core that is banded at approximately 60° to CA cut by granite that appears to be banded at 35° to CA similar to a shear but probably a fault causing shearing (picture taken)</p>	36 %

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East 366790.432

End Date 12/15/2004

Elevation 239.953

Proposed Depth

Actual Depth 116

Number of Boxes 19

From	To	Length	Lithological Code	Description	% Recovery
110.0 m	115.1 m	5.1 m	720	<p>WEATHERED PYROXENITE DIKE AND RESIDUUM AND GRANITE/GRANODIORITE GNEISS RESIDUUM (FAULT ZONE)</p> <p>-most of unit appears to be a chaotic mix of dark chocolate brown, medium purple brown, and cream green silt and clay; weathered ultramafic dike (pyroxenite) that is locally weakly magnetic; and pink to brick red, dark khaki green, and tan orange weathered granite/granodiorite gneiss in solid core pieces (picture taken) that are locally fractured into blocks or weathered to silt and clay</p> <p>-approximately 70% pyroxenite dike material and 30% gneissic material</p> <p>-rough banding locally at 0-45° to CA</p> <p>-probably a fault zone but possibly intersecting thin dikes at a shallow angle</p> <p>-moderately and well formed pieces (≤17cm) and unformed core</p> <p>-lower contact sharp at 50° to CA</p> <p>114.5-115.1 - subangular to subround boulders (≤4cm) of harder and fresher pyroxenite dike material with minor gneissic content</p> <p>- boulder shape possibly caused by presence of cavity and fault movement?</p>	64 %
115.1 m	116.0 m	0.9 m	720	<p>GRANITE/GRANODIORITE GNEISS RESIDUUM</p> <p>-cream, medium and dark green, and minor pink and yellow tan crumbly silt, clay, sand, and larger remnants (≤0.5cm) of granite/granodiorite gneiss residuum</p> <p>-fairly typical gneiss residuum but with slightly more clay content</p> <p>-very poor recovery and possibly a small block of gneiss residuum within fault</p> <p>-poorly to moderately formed core</p>	17 %
116.0				END OF HOLE	%

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Drill Hole ID
AGR-04-246

North 5461401.87

East 366790.432

Elevation 239.953

Start Date 12/8/2004

End Date 12/15/2004

Proposed Depth

Actual Depth 116

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162145	19.80	20.00	0.20	0.87	5.40	2.96	9.25	37.67	15.78	0.55	0.344	Granite/Granodiorite Gneiss Residuum
A162146	20.00	21.50	1.50	0.46	6.07	3.19	14.40	52.34	5.18	0.55	18.5	Granite/Granodiorite Gneiss Residuum
A162147	21.50	23.00	1.50	0.42	5.68	2.52	14.15	56.12	3.43	0.53	0.117	Granite/Granodiorite Gneiss Residuum
A162148	23.00	24.50	1.50	0.55	4.84	2.13	13.24	60.07	2.27	0.36	9	Granite/Granodiorite Gneiss Residuum
A162149	24.50	26.00	1.50	0.31	4.36	2.15	16.00	54.25	3.85	0.38	0.091	Granite/Granodiorite Gneiss Residuum
A162150	26.00	27.50	1.50	0.49	7.55	3.48	13.73	53.65	2.30	0.66	0.218	Granite/Granodiorite Gneiss Residuum
A162151	27.50	29.00	1.50	0.23	5.98	2.47	14.50	57.30	1.87	0.50	0.148	Granite/Granodiorite Gneiss Residuum
A162152	29.00	29.75	0.75	0.22	6.41	2.45	14.56	57.82	2.30	0.56	4.81	Granite/Granodiorite Gneiss Residuum
A162153	29.75	30.50	0.75	0.26	6.75	2.64	14.40	56.63	2.66	0.59	0.137	Granite/Granodiorite Gneiss Residuum
A162154	30.50	32.00	1.50	0.28	6.97	3.22	14.71	54.24	2.25	0.70	1.69	Granite/Granodiorite Gneiss Residuum
A162155	32.00	33.50	1.50	0.30	6.68	3.23	14.41	57.66	2.00	0.59	0.118	Granite/Granodiorite Gneiss Residuum
A162156	33.50	35.00	1.50	0.11	6.35	2.28	14.32	59.97	1.84	0.50	4.19	Granite/Granodiorite Gneiss Residuum
A162157	35.00	35.75	0.75	0.09	4.98	1.86	15.32	59.73	2.97	0.52	0.121	Granite/Granodiorite Gneiss Residuum
A162158	35.75	36.50	0.75	0.08	4.08	1.53	15.94	60.94	2.88	0.46	0.095	Granite/Granodiorite Gneiss Residuum
A162159	36.50	38.00	1.50	0.05	6.16	1.98	13.90	61.09	2.29	0.52	0.153	Granite/Granodiorite Gneiss Residuum
A162160	38.00	38.75	0.75	0.04	6.22	2.20	14.14	60.51	2.22	0.53	1.05	Granite/Granodiorite Gneiss Residuum
A162161	38.75	39.50	0.75	0.04	6.90	2.01	13.64	59.06	3.31	0.60	0.164	Granite/Granodiorite Gneiss Residuum
A162162	39.50	41.00	1.50	0.05	5.34	1.94	13.32	62.54	4.06	0.38	0.154	Granite/Granodiorite Gneiss Residuum
A162163	41.00	42.50	1.50	0.07	5.32	1.86	14.57	60.82	2.40	0.51	0.112	Granite/Granodiorite Gneiss Residuum
A162164	42.50	44.00	1.50	0.17	5.33	1.79	14.33	61.95	1.74	0.55	0.09	Granite/Granodiorite Gneiss Residuum
A162165	44.00	45.50	1.50	0.75	3.19	1.25	14.94	63.88	2.32	0.37	0.264	Granite/Granodiorite Gneiss Residuum
A162166	45.50	47.00	1.50	0.10	5.21	1.86	15.17	59.51	2.20	0.51	1.02	Granite/Granodiorite Gneiss Residuum

Monday, October 30, 2006

AGR-04-246

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-246

North 5461401.87

East 366790.432

Elevation 239.953

Proposed Depth

Actual Depth 116

Number of Boxes 0

Start Date 12/8/2004

End Date 12/15/2004

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162167	47.00	48.50	1.50	0.07	4.32	1.55	14.42	64.68	1.78	0.40	0.235	Granite/Granodiorite Gneiss Residuum
A162168	48.50	50.00	1.50	0.27	4.50	1.63	14.20	64.43	2.70	0.42	3.12	Granite/Granodiorite Gneiss Residuum
A162169	50.00	51.50	1.50	0.20	5.09	1.86	15.92	55.43	4.03	0.57	0.163	Granite/Granodiorite Gneiss Residuum
A162170	51.50	52.25	0.75	0.11	7.17	2.73	13.68	57.44	2.46	0.68	0.102	Granite/Granodiorite Gneiss Residuum
A162171	52.25	53.00	0.75	0.12	5.32	1.86	14.80	58.71	2.61	0.55	0.163	Granite/Granodiorite Gneiss Residuum
A162172	53.00	54.20	1.20	0.07	8.08	3.16	13.74	54.65	2.34	0.77	4.75	Granite/Granodiorite Gneiss Residuum
A162173	54.20	55.25	1.05	0.13	3.32	1.22	14.17	64.98	1.76	0.42	0.094	Strongly Weathered Gneiss Pieces and Common Gneiss Residuum
A162174	55.25	55.70	0.45	0.07	2.86	0.93	14.94	65.30	2.00	0.32	3.69	Strongly Weathered Gneiss Pieces and Common Gneiss Residuum
A162175	55.70	56.00	0.30	-0.02	4.95	1.87	14.04	62.41	1.58	0.41	0.092	Granite/Granodiorite Gneiss Residuum
A162176	56.00	56.75	0.75	-0.03	4.26	1.61	15.08	62.63	1.81	0.30	8.63	Granite/Granodiorite Gneiss Residuum
A162177	56.75	57.50	0.75	0.05	6.40	2.52	14.08	59.63	1.77	0.57	0.11	Granite/Granodiorite Gneiss Residuum
A162178	57.50	58.25	0.75	0.09	4.89	2.19	15.77	57.18	2.36	0.49	3.48	Granite/Granodiorite Gneiss Residuum
A162179	58.25	59.00	0.75	0.06	4.72	1.98	14.56	60.76	2.88	0.46	0.193	Granite/Granodiorite Gneiss Residuum
A162180	59.00	59.75	0.75	0.06	6.29	2.56	14.15	57.70	3.36	0.61	5.84	Granite/Granodiorite Gneiss Residuum
A162181	59.75	60.50	0.75	0.09	6.49	2.61	13.88	57.55	2.77	0.62	5.02	Granite/Granodiorite Gneiss Residuum
A162182	60.50	61.25	0.75	0.11	5.60	2.15	14.47	59.18	3.06	0.53	0.243	Granite/Granodiorite Gneiss Residuum
A162183	61.25	62.00	0.75	0.06	4.49	1.68	14.55	62.11	2.69	0.43	2.28	Granite/Granodiorite Gneiss Residuum
A162184	62.00	62.75	0.75	0.05	6.22	2.66	14.46	57.80	2.93	0.58	0.168	Granite/Granodiorite Gneiss Residuum
A162185	62.75	63.50	0.75	0.03	5.07	2.62	13.91	61.45	2.34	0.40	2.23	Granite/Granodiorite Gneiss Residuum
A162186	63.50	64.25	0.75	0.08	6.19	3.62	13.11	59.86	2.01	0.50	0.154	Granite/Granodiorite Gneiss Residuum
A162187	64.25	64.90	0.65	0.04	5.68	3.21	14.04	60.11	1.98	0.50	3.21	Granite/Granodiorite Gneiss Residuum
A162188	64.90	65.00	0.10	-0.03	11.47	6.13	10.03	52.21	2.34	0.59	0.113	Weathered Ultramafic Dike?

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-246

North 5461401.87

Start Date 12/8/2004

East 366790.432

End Date 12/15/2004

Elevation 239.953

Proposed Depth

Actual Depth 116

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162189	65.00	65.50	0.50	-0.08	14.45	9.56	7.50	44.76	2.96	0.43	8.61	Weathered Ultramafic Dike?
A162190	65.50	66.50	0.50	0.02	4.21	2.83	14.44	61.01	2.01	0.39	0.07	Granite/Granodiorite Gneiss Residuum
A162191	66.50	67.25	0.75	0.27	6.55	2.65	15.14	53.76	2.89	0.76	0.134	Granite/Granodiorite Gneiss Residuum
A162192	67.25	68.00	0.75	-0.05	12.34	3.61	13.65	45.20	3.85	1.19	6.77	Granite/Granodiorite Gneiss Residuum
A162193	68.00	69.50	1.50	0.15	4.16	1.61	14.57	63.13	2.26	0.41	0.115	Granite/Granodiorite Gneiss Residuum
A162194	69.50	71.00	1.50	0.21	4.25	1.74	14.66	62.62	2.34	0.50	0.135	Granite/Granodiorite Gneiss Residuum
A162195	71.00	72.50	1.50	0.31	6.84	2.59	13.32	57.78	2.88	0.66	7.64	Granite/Granodiorite Gneiss Residuum
A162196	72.50	74.00	1.50	0.04	5.69	2.10	14.44	59.84	2.96	0.50	0.126	Granite/Granodiorite Gneiss Residuum
A162197	74.00	75.10	1.10	0.21	10.49	3.37	13.65	48.22	4.17	0.89	1.98	Granite/Granodiorite Gneiss Residuum
A162198	75.10	75.40	0.30	0.55	10.21	2.47	15.38	48.24	3.62	1.42	1.49	Weathered Pyroxenite Dike
A162199	75.40	77.00	1.60	0.27	9.90	4.01	13.81	50.10	2.57	0.74	10.1	Granite/Granodiorite Gneiss Residuum
A162200	77.00	78.50	1.50	0.07	6.86	2.35	13.96	58.10	2.42	0.57	0.149	Granite/Granodiorite Gneiss Residuum
A162201	78.50	80.00	1.50	0.07	3.78	1.19	14.61	64.85	2.05	0.42	9.11	Granite/Granodiorite Gneiss Residuum
A162202	80.00	81.50	1.50	-0.01	6.18	1.87	14.55	60.37	2.32	0.53	0.151	Granite/Granodiorite Gneiss Residuum
A162203	81.50	83.00	1.50	0.14	4.98	1.43	14.44	63.41	1.85	0.58	5.25	Granite/Granodiorite Gneiss Residuum
A162204	83.00	84.50	1.50	0.01	4.63	1.61	14.99	62.34	2.15	0.46	0.123	Granite/Granodiorite Gneiss Residuum
A162205	84.50	85.60	1.10	0.04	8.08	3.58	13.22	55.18	1.63	0.66	15.8	Granite/Granodiorite Gneiss Residuum
A162206	85.60	86.00	0.40	0.27	12.29	4.18	11.38	50.53	1.95	1.86	0.314	Brown and Green Clay and Silt (Pyroxenite Dike Residuum)
A162207	86.00	87.50	1.50	0.38	14.74	5.13	11.72	44.55	1.87	2.05	26.9	Weathered Pyroxenite Dike to Dike Residuum
A162208	87.50	88.00	0.50	0.42	10.89	3.48	12.04	51.95	1.59	2.05	1.83	Fractured Weathered Pyroxenite Dike and Dike Residuum
A162209	88.00	89.10	1.10	0.12	8.22	2.73	12.97	57.56	1.14	0.77	3.46	Granite/Granodiorite Gneiss Residuum
A162210	89.10	89.70	0.60	0.09	8.66	3.27	14.17	52.08	1.39	0.77	0.278	Brown Green Silt and Clay (Gneiss Residuum/Pyroxenite Residuum)

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-04-246

North 5461401.87

Start Date 12/8/2004

East 366790.432

End Date 12/15/2004

Elevation 239.953

Proposed Depth

Actual Depth 116

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162211	89.70	90.50	0.80	0.90	6.78	2.50	12.99	56.04	1.63	0.43	0.115	Granite/Granodiorite Gneiss Residuum
A162212	90.50	91.25	0.75	0.04	5.13	1.91	13.61	61.25	0.89	0.36	0.085	Granite/Granodiorite Gneiss Residuum
A162213	91.25	92.20	0.95	0.10	6.95	2.54	13.01	58.03	1.03	0.50	0.095	Granite/Granodiorite Gneiss Residuum
A162214	92.20	93.50	1.30	0.63	14.08	3.47	10.44	51.37	1.98	2.34	0.927	Tan Silt and Weathered Pyroxenite Dike
A162215	93.50	95.00	1.50	0.09	7.80	2.69	14.08	55.58	0.95	0.67	0.204	Granite/Granodiorite Gneiss Residuum
A162216	95.00	96.40	1.40	0.18	6.69	2.66	13.83	57.12	1.07	0.70	0.291	Granite/Granodiorite Gneiss Residuum
A162217	96.40	97.80	1.40	0.33	14.12	3.47	11.91	47.67	1.71	2.07	2.87	Tan Silt and Weathered Pyroxenite Dike (Fault Zone?)
A162218	97.80	99.50	1.70	-0.01	4.49	1.81	13.68	64.06	0.84	0.36	0.141	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162219	99.50	101.00	1.50	0.09	4.52	1.58	14.89	61.87	1.19	0.50	0.245	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162220	101.00	102.50	1.50	0.05	4.32	1.35	14.18	63.99	1.16	0.41	0.158	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162221	102.50	104.00	1.50	0.02	4.30	1.44	14.54	63.25	0.99	0.39	0.326	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162222	104.00	104.75	0.75	0.06	4.33	1.42	14.47	63.08	0.99	0.43	0.082	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162223	104.75	105.50	0.75	0.03	3.74	1.03	13.90	65.81	0.86	0.31	0.09	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162224	105.50	107.00	1.50	0.08	5.39	2.03	14.79	59.45	1.19	0.56	0.106	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162225	107.00	108.50	1.50	0.04	4.94	2.51	14.71	59.22	1.34	0.50	0.361	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162226	108.50	110.00	1.50	0.13	4.91	2.34	13.43	62.00	1.21	0.42	0.368	Fractured Gneiss Residuum to Weathered Gneiss (Fault Zone)
A162227	110.00	110.75	0.75	1.07	8.37	4.44	12.71	51.14	2.32	0.53	0.938	Weathered Pyroxenite Dike and Residuum and Gneiss Residuum (Fault Zone)
A162228	110.75	111.50	0.75	0.55	6.98	3.16	13.87	53.80	1.68	0.67	0.612	Weathered Pyroxenite Dike and Residuum and Gneiss Residuum (Fault Zone)
A162229	111.50	112.25	0.75	0.42	7.28	3.35	14.02	53.19	1.73	0.64	0.638	Weathered Pyroxenite Dike and Residuum and Gneiss Residuum (Fault Zone)
A162230	112.25	113.00	0.75	0.30	7.78	3.50	14.42	51.25	1.68	0.75	0.418	Weathered Pyroxenite Dike and Residuum and Gneiss Residuum (Fault Zone)
A162231	113.00	114.50	1.50	0.27	9.06	3.40	13.84	48.76	2.05	1.11	0.35	Weathered Pyroxenite Dike and Residuum and Gneiss Residuum (Fault Zone)
A162232	114.50	115.10	0.60	0.97	6.50	4.14	13.63	51.68	2.07	0.63	0.358	Boulders of Weathered Pyroxenite Dike and Gneiss

Agrium

*Kapuskasing Phosphate Operation
Exploration Drilling*

Assay Results

*Drill Hole ID
AGR-04-246*

*North 5461401.87
East 366790.432
Elevation 239.953*

*Start Date 12/8/2004
End Date 12/15/2004*

*Proposed Depth
Actual Depth 116
Number of Boxes 0*

<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>P2O5</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>Al2O3</i>	<i>SiO2</i>	<i>CaO</i>	<i>TiO2</i>	<i>Mag. Sus.</i>	<i>Comment</i>
A162233	115.10	116.00	0.90	0.18	7.03	2.69	15.20	51.09	1.77	0.70	0.111	Granite/Granodiorite Gneiss Residuum

**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461452.0
 Easting: 366955.1
 Elevation: 228.7
 Depth: 102.5
 Azimuth: 0
 Dip: -90

SUMMARY LOG

Drillhole Attitude Tests: No

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	7.0	Ramp Rock (Lost Core)
7.0	15.5	Till
		14.0-15.5 - Till and Pyroxenite Residuum
15.5	41.7	Pyroxenite Residuum and Weathered Pyroxenite Pieces
41.7	102.5	Carbonatite Residuum
		41.7-46.1 - Silt and Clay
		46.1-64.8 - Silt and Silicified Weathered Carbonatite Pieces
		64.8-102.5 - Silicified Weathered Carbonatite and Minor Silt
		End of Hole

Township: Cargill
 Claim number: P413076/104395/CLM300
 Drilling Contractor: Norex Drilling
 Drilling Start Date: 1/5/2005
 Drilling End Date: 1/7/2005
 Core Size: HQ
 Casing: No
 Hole Cemented: No
 Why drillhole terminated: Hit rods of AGR-04-236 and lost return
 Logged by: M. Stalker
 Date Logged: 1/13/2005
 Number of boxes: 15
 Number of assays: 89
 Number of ICP: 0
 Rejects/Pulps saved: Yes
 Core Stored: Agrium Minesite
 Pictures: Yes
 Geotechnical Log: Yes

M. Stalker

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-247

North 5461452

East 366955.1

Elevation 228.7

Proposed Depth

Actual Depth 102.5

Number of Boxes 15

Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	6.0 m	6.0 m	799	RAMP ROCK -sovite and rauhaugite boulders used to build ramp -well formed pieces \leq 12cm -lower contact in lost core	15 %
6.0 m	7.0 m	1.0 m	799	BOULDERS (TILL)/ RAMP ROCK -heterogenous subangular to angular boulders and minor medium brown grey till (silty clay with 15% boulders) -probably gravel laid down on ramp but possibly a till layer -boulders (\leq 4cm) and unformed core -lower contact in lost core	6 %
7.0 m	9.5 m	2.5 m	717	TILL/GREY CLAY -medium brown grey to grey brown clay with 10% heterogenous subangular and angular boulders (\leq 5cm) overall but mainly <5% boulders, sand, and silt with most boulders \leq 1cm -unformed to poorly formed core -lower contact in lost core	11 %
9.5 m	13.3 m	3.8 m	717	BOULDERS (TILL) -heterogenous round to angular boulders (\leq 10cm) with only rare silt or clay (mainly attached to boulders) -lower contact in lost core	18 %
13.3 m	14.0 m	0.7 m	717	BOULDER TILL -light brown grey to light green brown clayey silt with 30% heterogenous subangular to angular pebbles and boulders (\leq 3cm) overall but poor recovery has probably increased boulder concentration -poor to moderately formed core -lower contact in lost core	21 %

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

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Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
14.0 m	15.5 m	1.5 m	717	BOULDERS AND TAN BROWN SILT (TILL AND PYROXENITE RESIDUUM) -50% tan brown and minor rusty brown silt and minor clay similar to unit below and probably pyroxenite residuum -40% heterogenous subangular to angular boulders (≤ 4 cm) found throughout unit -10% light grey silty clay with 10% coarse grained sand to pebbles (≤ 0.5 cm) found mainly near upper contact -silt and boulders are well mixed throughout unit and, therefore, the unit was not sampled -unformed core and boulders -lower contact in lost core	7 %
15.5 m	27.2 m	11.7 m	720	RUSTY BROWN, TAN, AND GREY GREEN SILT AND MINOR CLAY (PYROXENITE RESIDUUM) -unit is a mix of many colours but overall a medium rusty brown and medium green tan brown -made up of medium rusty brown silt with abundant vermiculite/mica of the same colour (≤ 1 cm but mainly ≤ 0.5 cm), yellow tan to tan brown, light to dark grey green to green blue grey, and common cream to cream yellow silt and clay mixed throughout as patches and bands and with minor local sections of yellow beige and orange brown clay and silt -darkens with an increase of green, blue, and grey towards lower contact -rare magnetite grains (≤ 0.5 cm) found in fresher rusty brown patches -locally banded at 65-75° to CA -locally harder especially in fresher dark green blue grey patches (probably coarse grained pyroxene) and rusty brown patches (probably coarse grained vermiculite/mica or precursor) -probably pyroxenite residuum with minor sections of carbonatite rich bands or possibly dikes -rarely locally magnetic -unformed to well formed core, mainly unformed and moderately formed -lower contact gradational over large section, picked at a noticeable colour change (in lost core) 18.5-18.8 - slightly fresher, harder, solid core piece exhibiting banding (picture taken)	78 %

Agrium

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Proposed Depth

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Number of Boxes 15

Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
27.2 m	31.8 m	4.6 m	720	BLUE GREY AND MINOR RUSTY BROWN SILT AND WEATHERED PYROXENITE PIECES (PYROXENITE RESIDUUM) -cream blue green to medium blue green grey to dark green blue grey silt and minor clay with 15% rusty brown silt and clay and vermiculite -gradational from unit above and darkening downhole -30% strongly and locally moderately weathered medium to coarse grained (>1cm) pyroxenite pieces (≤18cm) with minor cream and pink bands and patches of carbonatite composition otherwise the same colour as silt and clay -banding only rarely observed at 20-40° to CA -commonly moderately magnetic -similar to 15.5-27.2m but probably with less carbonatite content and less weathered (pyroxenite residuum) -unformed to well formed core -lower contact sharp at 75° to CA	78 %

Agrium

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East 366955.1

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Number of Boxes 15

Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
31.8 m	34.6 m	2.8 m	720	<p>DARK GREEN GREY SILT AND CLAY AND WEATHERED PYROXENITE PIECES (PYROXENITE RESIDUUM)</p> <ul style="list-style-type: none">-dark blue green grey to dark grey silt and clay with minor cream green to light and medium grey green silt and clay locally in sections and bands-approximately 30% dark grey and green blue grey weathered pyroxenite pieces (≤ 15cm) found throughout containing minor carbonatite content as bands and patches-pyroxenite pieces vary in weathering from strongly to weakly but mainly strongly weathered-most of unit is moderately and strongly magnetic with fine to coarse grained (≤ 1cm) magnetite locally-rare (<0.5%) fine grained pyrite and possibly trace pyrrhotite as disseminated grains locally aligned in wispy discontinuous stringers found in both the silt and clay and in weathered pyroxenite-10% fine to coarse grained (≤ 1cm) black mica-locally banded at 0-55° to CA-unit is weathered pyroxenite and pyroxenite residuum with minor to rare carbonatite content-moderately formed, well formed, and unformed core-lower contact in lost core <p>34.4-34.5 - a >6cm cream and grey band of sovite like composition and appearance with minor coarse grained (≤ 0.5cm) magnetite</p> <ul style="list-style-type: none">- at 55° to CA	91 %

Agrium

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End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
34.6 m	38.0 m	3.4 m	720	<p>BLUE GREY AND MINOR ORANGE BROWN SILT AND CLAY AND WEATHERED PYROXENITE PIECES (PYROXENITE RESIDUUM AND MINOR LOCAL CARBONATITE RESIDUUM)</p> <ul style="list-style-type: none">-slightly similar to 27.2-31.8m-blue cream to medium blue green grey to dark green blue grey silt and clay with medium to dark colours dominating, darkening downhole-20% strongly and minor moderately weathered pyroxenite pieces (≤ 13cm) grading to residuum that are of similar colour and content as the silt and clay-15% medium tan brown, orange brown, and rusty brown silt and clay which contains 10% fine to coarse grained (≤ 2cm) flakes of vermiculite/mica of the same colour, 5% medium yellow green silt in local sections with magnetite grains-10% cream and dark purple brown strongly silicified solid core pieces in one location as listed below-banding rarely observed at 75° to CA-commonly moderately magnetic-trace fine grained disseminated pyrite found locally-unformed, moderately formed, and well formed core-lower contact in lost core <p>34.6-34.7 - tan brown silt with vermiculite/mica that appears to be carbonatite composition 34.7-34.8 - common cream weakly silicified bands of carbonatite composition 35.3-35.8 - Silicified Carbonatite(?) Pieces</p> <ul style="list-style-type: none">- cream and pink cream and dark purple brown moderately silicified solid core pieces (≤ 8cm) with minor vugs and 2% coarse grained (≤ 0.5cm) magnetite- cream and brown is divided into rough bands at 45° to CA- probably section of carbonatite that has been preferentially silicified- contacts in lost core <p>35.8-36.5 - common medium yellow green silt sections</p>	72 %

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From	To	Length	Lithological Code	Description	% Recovery
38.0 m	41.0 m	3.0 m	720	DARK GREEN GREY SILT AND CLAY AND WEATHERED PYROXENITE PIECES (PYROXENITE RESIDUUM) -similar to 31.8-34.6cm but pieces of weathered pyroxenite are ≤ 11 cm, unit is commonly moderately magnetic, and fine to coarse grained (≤ 1.5 cm) black mica content increases to 20%, (similar pyrite and pyrrhotite content) -lower contact in lost core 39.4-39.5 - a band of orange to orange brown silt - contacts in lost core	50 %
41.0 m	41.7 m	0.7 m	720	GREY BLUE, GREEN, AND TAN BROWN SILT AND CLAY (PYROXENITE RESIDUUM) -dark grey blue grading to medium green downhole, and tan brown to khaki brown silt and clay with 20% fine to coarse grained (≤ 2 cm) dark green flakes of mica -locally weakly magnetic -unformed to moderately formed core -lower contact sharp at 45° to CA at last medium green silt but unit below continues to lighten and decrease in green colour (mica)	93 %

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Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
41.7 m	46.1 m	4.4 m	720	ORANGE BROWN AND CREAM SILT AND BEIGE CLAY (CARBONATITE RESIDUUM) -50% light to dark orange brown silt -30% beige and yellow cream clay, probably after mica -10% cream silt -10% patches of dark rusty brown silt or coarse grained (≤ 1.5 cm) magnetite or magnetite silt patches commonly aligned with banding but also disseminated -all of the rock types are found throughout in thin bands or patches -mainly strongly banded to sheared at 30-65° to CA but locally no banding observed -appears to be carbonatite residuum with high clay content probably due to alteration of mica -unformed to moderately formed core -lower contact in lost core at first silicified carbonatite piece 41.8-42.1 - light green clay gradually lightening downhole to beige and yellow cream clay	93 %
46.1 m	48.5 m	2.4 m	720	BROWN SILT AND SILICIFIED WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM) -medium tan brown to orange brown silt and clay and minor tan and medium brown silt -approximately 30% tan, cream, and translucent light grey solid core pieces (≤ 8 cm, but mainly ≤ 4 cm) of moderately silicified weathered carbonatite with common vugs and 5% coarse grained (≤ 0.5 cm) iron oxide and minor magnetite, banding not observed -unformed core with well formed pieces -lower contact in lost core	50 %

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-247

North 5461452

East 366955.1

Elevation 228.7

Proposed Depth

Actual Depth 102.5

Number of Boxes 15

Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
48.5 m	54.2 m	5.7 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND MINOR BROWN SILT (CARBONATITE RESIDUUM) -90-95% silicified weathered carbonatite pieces (≤ 12 cm) similar to those at 46.1-48.5m but moderately and minor strongly silicified pieces, with common to abundant vugs, and with 2-5% magnetite or iron oxide grains (≤ 0.5 cm) -5-10% orange brown silt and minor tan silt with yellow tan clay and patches of magnetite silt (≤ 0.5 cm) -well formed pieces and minor unformed core -lower contact in lost core	12 %
54.2 m	56.0 m	1.8 m	720	ORANGE BROWN AND TAN SILT AND MINOR CREAM GREEN CLAY (CARBONATITE RESIDUUM) -medium orange brown, medium brown, common tan brown, and cream tan to tan silt, and minor cream blue green to grey blue clay -3% coarse grained (≤ 0.5 cm) patches of magnetite silt to magnetite grains -unformed core -lower contact in lost core	11 %
56.0 m	60.5 m	4.5 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND ORANGE BROWN AND TAN SILT (CARBONATITE RESIDUUM) -50% silicified weathered carbonatite pieces (≤ 9 cm) as in 48.5-54.2m -50% orange brown and tan and minor cream silt with 3% coarse grained (≤ 0.5 cm) patches of magnetite silt to grains and local banding at 60° to CA -well formed pieces and unformed and poorly formed pieces -lower contact in lost core 57.3-58.1 - section contains only silt without carbonatite pieces	20 %

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From	To	Length	Lithological Code	Description	% Recovery
60.5 m	63.5 m	3.0 m	720	TAN AND ORANGE BROWN SILT (CARBONATITE RESIDUUM) -tan, light orange brown, and minor tan brown and cream silt -3% coarse grained (≤ 1 cm) patches of magnetite/iron oxide silt to grains especially in upper half of unit -unformed and poorly formed core -lower contact in lost core	42 %
63.5 m	64.8 m	1.3 m	720	TAN AND ORANGE BROWN SILT AND COMMON SILICIFIED WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM) -75% silt as in 60.5-63.5m -25% silicified weathered carbonatite pieces (≤ 5 cm) as in 48.5-54.2m -commonly divided into sections of either rock type but also mixed -unformed and poorly formed core with well formed pieces -lower contact in lost core	65 %

Agrium

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Elevation 228.7

Proposed Depth

Actual Depth 102.5

Number of Boxes 15

Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
64.8 m	102.5 m	37.7 m	720	<p>SILICIFIED WEATHERED CARBONATITE PIECES AND MINOR LOCAL TAN AND ORANGE BROWN SILT (CARBONATITE RESIDUUM)</p> <ul style="list-style-type: none">-mainly silicified weathered carbonatite pieces (≤ 18cm) similar to 48.5-54.2m-moderately and moderately to strongly silicified-common and locally abundant vugs (≤ 2cm) that are commonly aligned with banding-1-2% coarse grained (≤ 1cm) magnetite grains-most of the banding at 0-10° to CA but ranges from 0-40° to CA-7% tan and orange brown silt as in 60.5-63.5m overall but mainly carbonatite pieces with rare silt and local silt rich sections as listed-well formed pieces and minor unformed to moderately formed core <p>65.4-65.5 - common silt with silicified weathered carbonatite pieces 67.4-68.0 - common silt with silicified weathered carbonatite pieces 76.3-78.2 - common silt with silicified weathered carbonatite pieces 81.5-82.7 - common silt with silicified weathered carbonatite pieces 87.6-88.0 - silt without carbonatite pieces, poor recovery and meterage may be incorrect 88.0-89.0 - common silt with silicified weathered carbonatite pieces 94.1-94.5 - approximately 50% silt and 50% carbonatite pieces, poor recovery and meterage may be incorrect 94.5-95.0 - silt without carbonatite pieces, poor recovery and meterage may be incorrect 95.8-96.5 - common silt with silicified weathered carbonatite pieces 97.4-97.6 - common silt with silicified weathered carbonatite pieces</p> <p>@101.0 - DH AGR-04-236</p> <ul style="list-style-type: none">- drill intersected abandoned NQ rods from angle DH AGR-04-236- return was lost down the old rods and drilling ended at 102.5m <p>101.0-102.5 - a few pieces of silicified weathered carbonatite recovered with heterogenous boulders due to reaming down (contamination)</p>	22 %

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Proposed Depth

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Start Date 1/5/2005

End Date 1/7/2005

From	To	Length	Lithological Code	Description	% Recovery
102.5				- boulders removed from sample END OF HOLE	%

Agrium

Kapuskasing Phosphate Operation

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North 5461452

East 366955.1

Elevation 228.7

Proposed Depth

Actual Depth 102.5

Number of Boxes 0

Start Date 1/5/2005

End Date 1/7/2005

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162234	15.50	16.25	0.75	2.90	20.61	4.89	6.78	31.57	9.04	6.23	1.03	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162235	16.25	17.00	0.75	4.00	19.02	5.41	6.83	32.96	9.44	4.34	0.689	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162236	17.00	17.75	0.75	3.48	21.68	4.46	6.43	35.86	7.42	3.63	2.03	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162237	17.75	18.50	0.75	4.44	19.47	5.33	6.33	34.82	8.55	3.56	0.516	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162238	18.50	20.00	1.50	3.59	21.16	5.55	5.95	35.68	7.37	3.90	2.08	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162239	20.00	20.75	0.75	4.02	24.31	4.66	6.48	31.12	8.66	4.98	1.51	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162240	20.75	21.50	0.75	4.44	21.53	5.16	5.70	33.69	9.19	4.62	0.862	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162241	21.50	22.25	0.75	3.75	20.14	5.83	5.25	33.32	8.84	5.28	0.392	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162242	22.25	23.00	0.75	6.26	21.47	4.80	5.69	29.41	11.09	3.54	0.527	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162243	23.00	23.75	0.75	3.87	25.27	4.59	5.96	31.13	8.86	4.51	1.91	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162244	23.75	24.50	0.75	3.91	25.86	4.72	5.28	29.59	9.14	4.41	2.11	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162245	24.50	25.25	0.75	2.41	22.48	6.02	5.37	32.53	7.61	4.38	1.36	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162246	25.25	26.00	0.75	3.13	24.93	5.16	5.93	30.25	7.84	4.01	1.71	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162247	26.00	26.75	0.75	1.52	28.08	4.66	6.50	32.66	5.76	6.22	3.44	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162248	26.75	27.20	0.45	4.86	26.16	4.15	5.42	28.44	10.32	4.53	2.97	Brown, Tan, & Green Silt & Minor Clay (Pyroxenite Residuum)
A162249	27.20	27.50	0.30	3.86	34.20	4.68	5.98	25.99	7.93	5.37	20.8	Blue Grey & Minor Rusty Brown Silt (Pyroxenite Residuum)
A162250	27.50	28.25	0.75	1.14	34.26	4.64	7.01	28.62	5.14	6.04	19	Blue Grey & Minor Brown Silt & Minor Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162251	28.25	29.00	0.75	2.30	29.68	4.70	6.17	29.24	7.34	5.74	10.5	Blue Grey & Minor Brown Silt & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162252	29.00	29.75	0.75	1.69	26.94	5.93	4.26	33.30	6.06	4.31	6.47	Blue Grey & Minor Brown Silt & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162253	29.75	30.50	0.75	3.71	22.97	5.38	4.68	36.38	7.56	2.69	4.49	Blue Grey & Minor Brown Silt & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162254	30.50	31.25	0.75	2.79	22.74	6.66	4.03	37.80	5.72	2.55	2.46	Blue Grey & Minor Brown Silt & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162255	31.25	31.80	0.55	3.64	20.99	6.20	3.74	40.64	6.74	2.68	3.66	Blue Grey & Minor Brown Silt & Weathered Pyroxenite Pieces (Pyroxenite Residuum)

Monday, October 30, 2006

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-05-247

North 5461452

Start Date 1/5/2005

East 366955.1

End Date 1/7/2005

Elevation 228.7

Proposed Depth

Actual Depth 102.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162256	31.80	32.75	0.95	1.89	22.29	7.85	5.11	37.25	5.32	4.23	24.6	Dark Green Grey Silt & Clay & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162257	32.75	33.50	0.75	0.69	26.59	6.60	7.00	38.03	4.23	6.83	78.1	Dark Green Grey Silt & Clay & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162258	33.50	34.25	0.75	0.77	32.13	4.88	6.97	35.07	3.69	6.29	99.5	Dark Green Grey Silt & Clay & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162259	34.25	34.60	0.35	2.60	22.94	6.15	3.90	38.93	4.68	2.48	8.28	Dark Green Grey Silt & Clay & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162260	34.60	35.00	0.40	4.62	18.49	4.02	4.58	45.43	7.25	2.82	12.2	Blue Grey, Brown Silt & Clay, Weathered Pyroxenite (Residuum (Pyroxenite & Minor Carbonatite))
A162261	35.00	35.30	0.30	2.80	33.02	3.83	2.27	31.80	4.77	1.94	1.03	Blue Grey & Brown Silt & Clay, Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162262	35.30	35.80	0.50	1.71	5.95	0.54	0.16	84.12	2.49	0.15	0.828	Silicified Carboantite Pieces
A162263	35.80	36.50	0.70	1.06	30.10	5.93	5.65	34.78	3.91	4.82	8.6	Blue Grey & Brown Silt & Clay, Minor Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162264	36.50	37.25	0.75	0.50	31.32	5.87	6.53	35.45	3.46	6.38	55.2	Blue Grey & Brown Silt & Clay, Common Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162265	37.25	38.00	0.75	0.31	34.53	5.99	5.33	32.01	2.79	4.72	31.6	Blue Grey & Brown Silt & Clay, Common Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162266	38.00	38.75	0.75	1.39	23.61	8.88	3.81	34.67	4.13	2.32	8.12	Dark Grey Silt & Clay & Minor Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162267	38.75	39.50	0.75	0.54	23.56	6.59	4.91	40.25	2.58	3.40	3.12	Dark Grey Silt & Clay & Common Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162268	39.50	41.00	1.50	5.11	19.39	3.59	2.96	47.15	7.36	2.33	10.9	Dark Grey Silt & Clay & Weathered Pyroxenite Pieces (Pyroxenite Residuum)
A162269	41.00	41.70	0.70	3.81	27.07	2.88	5.66	33.40	7.48	4.84	3.08	Blue, Green, & Brown Silt & Clay (Pyroxenite Residuum)
A162270	41.70	42.10	0.40	4.33	33.02	1.32	7.81	27.30	7.16	6.82	2.93	Orange Brown & Cream Silt & Beige Clay (Carbonatite Residuum)
A162271	42.10	42.50	0.40	5.27	34.86	1.24	7.33	23.56	7.49	6.09	3.94	Orange Brown & Cream Silt & Beige Clay (Carbonatite Residuum)
A162272	42.50	43.25	0.75	5.87	30.82	1.31	8.08	26.88	8.53	8.22	5.46	Orange Brown & Cream Silt & Beige Clay (Carbonatite Residuum)
A162273	43.25	44.00	0.75	5.18	44.81	0.77	4.91	14.54	6.58	5.73	3.15	Orange Brown & Cream Silt & Beige Clay (Carbonatite Residuum)
A162274	44.00	44.75	0.75	5.44	38.84	0.74	5.87	20.38	6.70	5.99	3.07	Orange Brown & Cream Silt & Beige Clay (Carbonatite Residuum)
A162275	44.75	45.50	0.75	8.34	22.20	0.90	9.12	30.74	11.01	7.62	1.65	Orange Brown & Cream Silt & Beige Clay (Carbonatite Residuum)
A162276	45.50	46.10	0.60	11.87	17.44	0.54	6.92	31.97	14.87	6.22	0.497	Orange Brown & Cream Silt & Beige Clay (Carbonatite Residuum)
A162277	46.10	47.00	0.90	6.58	38.69	0.38	3.78	24.78	6.78	3.51	1.42	Brown Silt & Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)



Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-05-247

North 5461452

Start Date 1/5/2005

East 366955.1

End Date 1/7/2005

Elevation 228.7

Proposed Depth

Actual Depth 102.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162278	47.00	48.50	1.50	10.05	15.51	0.22	1.37	48.97	11.88	1.06	0.748	Brown Silt & Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162279	48.50	50.00	1.50	5.11	13.01	0.14	1.60	65.17	6.32	0.96	0.379	Silicified Weathered Carbonatite Pieces, Minor Brown Silt (Carbonatite Residuum)
A162280	50.00	51.50	1.50	6.35	11.78	0.12	0.60	64.70	8.21	0.67	0.287	Silicified Weathered Carbonatite Pieces, Minor Brown Silt (Carbonatite Residuum)
A162281	51.50	53.00	1.50	5.67	10.67	0.09	0.45	67.90	7.17	0.51	0.788	Silicified Weathered Carbonatite Pieces, Minor Brown Silt (Carbonatite Residuum)
A162282	53.00	54.20	1.20	8.38	32.18	0.39	4.79	29.00	9.61	3.10	0.55	Silicified Weathered Carbonatite Pieces, Minor Brown Silt (Carbonatite Residuum)
A162283	54.20	55.25	1.05	6.64	13.19	0.15	0.63	62.56	8.50	0.81	1.37	Orange Brown & Tan Silt, Minor Green Clay (Carbonatite Residuum)
A162284	55.25	56.00	0.75	15.41	27.90	0.93	6.39	15.45	18.53	2.52	4.09	Orange Brown & Tan Silt, Minor Green Clay (Carbonatite Residuum)
A162285	56.00	57.30	1.30	8.68	19.09	0.35	2.26	47.42	10.47	1.54	3.01	Silicified Weathered Carbonatite Pieces, Orange Brown & Tan Silt (Carbonatite Residuum)
A162286	57.30	58.10	0.80	22.35	28.62	0.36	2.05	8.85	28.65	2.26	8.15	Orange Brown & Tan Silt (Carbonatite Residuum)
A162287	58.10	59.00	0.90	10.12	14.27	0.32	0.94	51.66	13.11	0.91	1.87	Silicified Weathered Carbonatite Pieces, Orange Brown & Tan Silt (Carbonatite Residuum)
A162288	59.00	60.50	1.50	7.97	9.12	0.18	0.53	64.15	10.50	0.49	1.38	Silicified Weathered Carbonatite Pieces, Orange Brown & Tan Silt (Carbonatite Residuum)
A162289	60.50	62.00	1.50	25.63	27.66	0.28	1.42	4.70	32.56	1.63	7.09	Tan & Orange Brown Silt (Carbonatite Residuum)
A162290	62.00	63.50	1.50	30.94	12.75	0.29	0.87	6.50	42.03	0.49	5.2	Tan & Orange Brown Silt (Carbonatite Residuum)
A162291	63.50	64.25	0.75	18.86	18.36	0.26	0.76	30.72	23.47	0.98	31	Tan & Orange Brown Silt, Common Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162292	64.25	64.80	0.55	17.44	26.97	0.30	0.97	23.45	20.75	0.90	29.5	Tan & Orange Brown Silt, Common Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162293	64.80	65.00	0.20	1.21	6.25	0.02	0.26	87.47	1.66	0.29	2.96	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162294	65.00	66.50	1.50	2.06	7.45	0.23	0.37	81.61	2.97	0.38	3.75	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162295	66.50	68.00	1.50	1.18	7.68	0.04	0.37	84.95	1.49	0.35	3.4	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162296	68.00	69.50	1.50	0.70	5.95	0.02	0.31	88.60	1.04	0.29	1.41	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162297	69.50	70.25	0.75	1.93	6.02	0.03	0.50	84.93	2.72	0.26	1.8	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162298	70.25	71.00	0.75	1.88	6.49	0.07	0.71	83.68	2.50	0.30	2.2	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162299	71.00	72.50	1.50	1.86	7.15	0.07	0.37	85.00	2.55	0.35	9.55	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)

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Actual Depth 102.5

Number of Boxes 0

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162300	72.50	74.00	1.50	2.55	7.10	0.09	0.44	82.78	3.43	0.39	6.45	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162301	74.00	75.50	1.50	3.49	6.62	0.09	0.34	79.91	4.65	0.33	6.76	Silicified Weathered Carbonatite Pieces
A162302	75.50	77.00	1.50	2.99	13.45	0.23	0.49	74.37	3.82	0.77	20.5	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162303	77.00	78.50	1.50	2.86	11.26	0.18	1.17	75.32	3.49	0.69	9.66	Silicified Weathered Carbonatite Pieces, Common Tan & Orange Brown Silt (Carbonatite Residuum)
A162304	78.50	80.00	1.50	3.67	7.30	0.17	0.31	79.65	4.86	0.39	12.2	Silicified Weathered Carbonatite Pieces
A162305	80.00	81.50	1.50	3.82	5.20	0.04	0.24	80.59	5.07	0.18	1.57	Silicified Weathered Carbonatite Pieces
A162306	81.50	83.00	1.50	9.14	23.79	0.23	0.51	44.43	11.24	0.90	21.3	Silicified Weathered Carbonatite Pieces, Common Tan & Orange Brown Silt (Carbonatite Residuum)
A162307	83.00	84.50	1.50	4.57	8.44	0.10	0.30	74.99	5.90	0.41	12.1	Silicified Weathered Carbonatite Pieces
A162308	84.50	86.00	1.50	4.79	6.66	0.09	0.28	77.02	6.24	0.31	9.21	Silicified Weathered Carbonatite Pieces
A162309	86.00	87.60	1.60	5.16	10.24	0.14	0.49	71.29	6.64	0.58	12	Silicified Weathered Carbonatite Pieces
A162310	87.60	88.00	0.40	14.55	22.19	0.31	0.99	35.29	17.77	1.13	22.3	Tan and Orange Brown Silt (Carbonatite Residuum)
A162311	88.00	89.00	1.00	8.01	15.09	0.20	0.53	57.69	10.10	0.69	18.8	Silicified Weathered Carbonatite Pieces, Common Tan & Orange Brown Silt (Carbonatite Residuum)
A162312	89.00	90.50	1.50	5.52	6.74	0.12	0.39	75.65	7.18	0.45	5.88	Silicified Weathered Carbonatite Pieces
A162313	90.50	92.00	1.50	5.47	7.18	0.13	0.33	75.94	7.21	0.43	12.7	Silicified Weathered Carbonatite Pieces
A162314	92.00	93.50	1.50	5.00	8.91	0.17	0.81	74.34	6.56	0.82	10.3	Silicified Weathered Carbonatite Pieces
A162315	93.50	94.10	0.60	4.11	6.61	0.12	0.38	79.66	5.37	0.35	10.8	Silicified Weathered Carbonatite Pieces
A162316	94.10	94.50	0.40	10.21	16.56	0.43	0.79	50.33	12.87	0.92	19.1	Silicified Weathered Carbonatite Pieces and Tan and Orange Brown Silt (Carbonatite Residuum)
A162317	94.50	95.00	0.50	16.65	26.34	0.30	0.87	27.00	20.53	1.41	30.6	Tan and Orange Brown Silt (Carbonatite Residuum)
A162318	95.00	96.50	1.50	6.57	10.66	0.17	0.42	68.67	8.41	0.65	21.7	Silicified Weathered Carbonatite Pieces, Common Tan & Orange Brown Silt (Carbonatite Residuum)
A162319	96.50	98.00	1.50	5.29	8.77	0.19	0.42	73.83	6.99	0.50	13	Silicified Weathered Carbonatite Pieces, Minor Tan & Orange Brown Silt (Carbonatite Residuum)
A162320	98.00	99.50	1.50	6.14	11.15	0.17	0.43	68.62	7.84	0.67	12.5	Silicified Weathered Carbonatite Pieces
A162321	99.50	101.00	1.50	6.43	7.66	0.12	0.32	72.43	8.40	0.40	9.6	Silicified Weathered Carbonatite Pieces

Monday, October 30, 2006

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*Kapuskasing Phosphate Operation
Exploration Drilling*

Drill Hole ID
AGR-05-247

North 5461452
East 366955.1
Elevation 228.7

Start Date 1/5/2005
End Date 1/7/2005

Proposed Depth
Actual Depth 102.5
Number of Boxes 0

Assay Results

<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>P2O5</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>Al2O3</i>	<i>SiO2</i>	<i>CaO</i>	<i>TiO2</i>	<i>Mag. Sus.</i>	<i>Comment</i>
A162322	101.00	102.50	1.50	5.62	7.62	0.15	0.56	74.32	7.51	0.48	9.84	Silicified Weathered Carbonatite Pieces

**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461458.89
 Easting: 366953.20
 Elevation: 228.65
 Depth: 223
 Azimuth: 0
 Dip: -90

Drillhole Attitude Tests: No

Township: Cargill
 Claim number: P413076/104395/CLM300
 Drilling Contractor: Norex Drilling
 Drilling Start Date: 1/7/2005
 Drilling End Date: 1/12/2005
 Core Size: HQ till 93.5m and NQ from 93.5-223.0m
 Casing: No
 Hole Cemented: No
 Why drillhole terminated: Rods tightened, 4 bits used
 Logged by: M. Stalker
 Date Logged: 1/23/2005
 Number of boxes: 31
 Number of assays: 193
 Number of ICP: 0
 Rejects/Pulps saved: Yes
 Core Stored: Agrium Minesite
 Pictures: Yes
 Geotechnical Log: Yes

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	5.7	Ramp Rock (Lost Core)
5.7	8.8	Clay
8.8	14.0	Till
14.0	42.4	Pyroxenite Residium
42.4	47.8	Pyroxenite/Carbonatite Residium, Weathered Pyroxenite, and Silicified Weathered Carbonatite (Fault Zone?)
47.8	49.2	Pyroxenite Residium and Carbonatite Residium
49.2	176.0	Carbonatite Residium
176.0	177.5	Lost Core
177.5	188.0	Weathered Rauhaugite and Minor Silt
188.0	198.5	Fractured Weathered Rauhaugite and Minor Silt and Cemented Pieces
198.5	223.0	Fractured Weathered Rauhaugite and Minor Silt
223.0		End of Hole

Mary E. Stalker

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-248

North 5461458.89

Start Date 1/7/2005

East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	4.0 m	4.0 m	799	RAMP ROCK -sovite boulders used to build up the ramp -boulders \leq 19cm -lower contact in lost core	14 %
4.0 m	5.7 m	1.7 m	799	BOULDERS (TILL)/RAMP ROCK -heterogenous subround to angular boulders and minor medium brown grey till (silty clay with 10% boulders) -probably gravel laid down on ramp but possibly a till unit -boulders (\leq 3cm) and unformed core -lower contact in lost core	9 %
5.7 m	6.5 m	0.8 m	714	GREY BROWN VARVED SILTY CLAY -medium grey brown to brown grey silty clay to clayey silt with local thin (\leq 1mm) light grey varves separating \leq 2mm varves at 70-90° to CA and slightly folded (open folds) -probably a coarse grained equivalent of brown varved clay but possibly a till, may be varves from a till source -lower contact in lost core	13 %
6.5 m	6.8 m	0.3 m	717	BOULDERS (TILL) -a 5cm subangular boulder -lower contact in lost core	17 %

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Kapuskasing Phosphate Operation

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Drill Hole ID
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North 5461458.89

East 366953.2

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

Start Date 1/7/2005

End Date 1/12/2005

From	To	Length	Lithological Code	Description	% Recovery
6.8 m	8.6 m	1.8 m	717	GREY BROWN CLAYEY SILT -medium grey brown clayey silt and locally silty clay -no varves observed -probably a coarse grained equivalent of clay unit but possibly a fine grained section of till -poorly formed core -lower contact sharp at 65° to CA	17 %
8.6 m	8.8 m	0.2 m	714	BROWN VARVED CLAY -medium and dark grey brown clay with thin (≤ 2 mm) swirls and patches and varves of cream clay -varves are deformed and folded and not typical -poorly formed core -lower contact in lost core	25 %
8.8 m	12.5 m	3.7 m	717	BOULDER TILL -light green grey brown clayey silt to silty clay with 75% heterogenous subangular to angular boulders (≤ 6 cm) but most of silt and clay has not been recovered with sections of only boulders -unformed core -lower contact in lost core	15 %
12.5 m	14.0 m	1.5 m	799	LOST CORE	0 %

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North 5461458.89

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East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
14.0 m	14.4 m	0.4 m	720	<p>PYROXENITE RESIDUUM AND BOULDER TILL</p> <ul style="list-style-type: none"> -a mix of tan brown and medium khaki green silt and common clay with 30% boulders (≤ 2cm) that are homogenous subangular to angular and appear to be strongly weathered pyroxenite or cemented pyroxenite residuum with minor fine (≤ 0.5cm) pebbles of other compositions -may be all pyroxenite and residuum but appears to be till -unformed core -lower contact in lost core 	38 %
14.4 m	23.0 m	8.6 m	720	<p>GREEN, BLUE, AND BROWN SILT AND CLAY (PYROXENITE RESIDUUM)</p> <ul style="list-style-type: none"> -light yellow green to yellow tan to green grey clay and silt, light to dark grey blue silt and clay, and medium orange brown silt and clay -gradual colour changes downhole with yellow green changing to light green grey by lower contact, orange brown becoming darker downhole, and increase in grey blue downhole -minor green, brown, and silver mica (≤ 0.5cm) found locally -0.5% dark grey or purple patches of iron oxide/magnetite silt (≤ 0.5cm), rarely weakly magnetic -banding locally observed at 30-40° to CA -minor subangular weathered pyroxenite(?) boulders (≤ 2.5cm) found at 15.2-15.5m with common carbonatite patches, may be contamination -unformed to moderately formed core, mainly moderately formed -lower contact gradational 19.3-20.6 - section is tan, light orange brown with minor blue grey silt and clay, clay rich <ul style="list-style-type: none"> - may be carbonatite residuum section (dike) or carbonatite composition end member of pyroxenite, clay rich - upper contact in lost core, lower contact sharp at 30° to CA with hardened tan and cream residuum to strongly weathered carbonatite 	84 %

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Kapuskasing Phosphate Operation

Exploration Drilling

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North 5461458.89

Start Date 1/7/2005

East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
23.0 m	26.0 m	3.0 m	720	BROWN, BLUE, AND TAN SILT (PYROXENITE RESIDUUM) -medium orange brown and rusty brown, medium to dark grey blue, and cream to green beige to tan silt with minor clay -similar to 14.4-23.0m but darker, orange brown and rusty brown dominates, and no patches of iron oxide observed -non-magnetic -banding locally observed at 75° to CA -unformed and moderately formed core -lower contact in lost core	67 %
26.0 m	42.4 m	16.4 m	720	GREY BLUE AND BROWN SILT TO STRONGLY WEATHERED PYROXENITE PIECES -light to medium grey blue, medium rusty brown and khaki brown and orange brown, dark grey, and minor cream to tan silt grading to solid pieces of strongly weathered coarse grained pyroxenite of the same colours and texture -solid pieces are found throughout (5%) but especially rich in intervals listed, 20% overall -rusty brown silt contains common rusty brown coarse grains (≤ 1 cm) of vermiculite/mica, overall 5% -rough banding at 45-75° to CA -medium grey blue silt commonly in remanent grain boundaries (≤ 0.5 cm) -2% of the solid core pieces are cream coloured and appear to be of carbonatite composition that may be slightly silicified -unformed to moderately formed with well formed pieces (≤ 16 cm) -lower contact in lost core 35.1-37.2 - solid core pieces but disintegrating to silt	63 %

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East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
42.4 m	47.8 m	5.4 m	720	<p>GREEN GREY SILT, STRONGLY WEATHERED PYROXENITE AND MINOR SILICIFIED CARBONATITE WITH COMMON PYRITE (FAULT ZONE)</p> <p>-medium grey green silt (25%) grading to dark green grey almost to black silt (15%) with common green to black coarse grained (≤ 0.5cm) flakes of mica ($\leq 5\%$ overall), grading to strongly weathered pyroxenite (or possibly another ultramafic) (20%), rarely magnetic, locally brecciated probably due to faulting with pieces of weathered pyroxenite in a darker green grey matrix all of solid core (picture taken), 0.5% medium grain pyrite in local patches or as disseminated grains</p> <p>-40% silicified cream carbonatite mixed with moderately weathered pyroxenite to dark grey silt, in sheared bands and patches and also brecciated pieces, banded at 25-40° to CA, rich in pyrite, trace pyrrhotite</p> <p>-probably a fault zone and silica and pyrite enrichment following carbonatite dike but deformation may all be attributed to intrusion of dike</p> <p>-well formed pieces (≤ 13cm) and unformed to moderately formed core</p> <p>-lower contact sharp at 40° to CA</p> <p>42.4-42.5 - dark grey green silt and minor clay, $\leq 0.5\%$ pyrite</p> <p>42.5-44.1 - 60% moderately silicified carbonatite bands, patches, and breccia clasts, possibly locally mostly silica vein</p> <p>- 10% dark green grey to black fine grained solid core and silt patches as matrix to breccia pieces and silicified carbonatite</p> <p>- 30% moderately to strongly weathered pyroxenite that looks altered and sheared</p> <p>- 10% medium grain pyrite in bands and patches especially with silicified carbonatite, trace pyrrhotite</p> <p>44.1-47.8 - a mix of medium grey green to dark green grey silt and strongly weathered pyroxenite with minor patches and bands of carbonatite composition material as typically found within a pyroxenite unit</p>	62 %

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Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
47.8 m	49.2 m	1.4 m	720	ORANGE BROWN AND GREEN SILT (PYROXENITE AND CARBONATITE RESIDUUM) -70% medium orange brown and locally medium rusty brown silt and minor clay -30% medium khaki green and medium grey green silt and common clay gradually getting lighter to cream grey near lower contact, containing 10% (overall) light green mica (≤ 1.5 cm) locally altering to clay -orange brown and rusty brown silt increase downhole while green silt decreases -moderately and poorly formed core -lower contact in lost core	86 %
49.2 m	49.9 m	0.7 m	720	CEMENTED SILT AND MINOR TAN AND BROWN SILT (CARBONATITE RESIDUUM) -medium rusty brown and orange brown cemented silt with 5% tan and medium brown silt -similar to lower part of 47.8-49.2m but cemented probably by iron and possibly phosphate and carbonate (a cemented continuation of unit above) -with minor fragments of silicified weathered carbonatite as in unit beneath, near lower contact -well formed pieces (≤ 15 cm) and minor unformed core -lower contact in lost core	79 %

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Kapuskasing Phosphate Operation Exploration Drilling

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End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
49.9 m	71.0 m	21.1 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND MINOR LOCAL BROWN SILT (CARBONATITE RESIDUUM) -cream, tan, and minor translucent light grey solid core pieces with common to abundant vugs (fine grained to 2cm) -3% dark purple or grey, coarse grained, magnetite or other iron oxides (≤ 1.5 cm) -vugs and magnetite banded at 0-60° to CA -moderately and locally strongly silicified, locally with iron cement -probably weathered carbonatite pieces but possibly cemented silt -may be rare patches and bands of cemented silt -3-5% medium orange brown to medium brown silt especially found in local patches -poor recovery possibly due to the washing away of more of this silt -well formed pieces (≤ 27 cm) -lower contact in lost core 64.4-65.0 - strongly silicified 68.0-71.0 - strongly silicified	40 %
71.0 m	74.0 m	3.0 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND BROWN SILT (CARBONATITE RESIDUUM) -similar to 49.9-71.0m but with an increase in brown silt to approximately 50% and a corresponding decrease in silicified weathered carbonatite pieces -well formed pieces (≤ 15 cm) and unformed and poorly formed core -lower contact in lost core	37 %

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East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
74.0 m	78.5 m	4.5 m	720	ORANGE BROWN AND MINOR TAN SILT AND MINOR SILICIFIED WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM) -medium orange brown and minor cream to tan to tan brown silt -5% silicified weathered carbonatite pieces (≤5cm) as in 49.9-71.0m especially found locally -3% dark grey silt patches (after magnetite) which are rarer towards upper contact but increase downhole -poorly formed and unformed core and minor well formed pieces -lower contact in lost core	38 %
78.5 m	86.0 m	7.5 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND BROWN SILT (CARBONATITE RESIDUUM) -similar to 71.0-74.0m with about 50% brown silt as in 74.0-78.5m and 50% silicified weathered carbonatite pieces (≤17cm) -silt is especially found in silt only or silt rich sections -well formed pieces and unformed and poorly formed core -lower contact in lost core 83.9-84.2 - boulders, contamination from uphole removed from sample	25 %
86.0 m	105.0 m	19.0 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND RARE LOCAL TAN BROWN SILT (CARBONATITE RESIDUUM) -similar to 49.9-71.0m but brown silt is rarer, slightly less vuggy, increase in magnetite grains to 3-5% and richer locally, and more strongly silicified (still moderate to strong silicification) -appears to be common cemented silt patches and bands but possibly just quartz flooded areas -minor local crystal filled vugs -0-3% tan to tan brown silt especially found in local patches -<0.5% pistachio green clay after coarse grains (≤0.5cm) disseminated throughout -banding at 0-60° to CA (as 49.9-71.0m) but especially from 0-25° to CA -well formed pieces (≤28cm) -lower contact in lost core @ 93.5 - CORE SIZE CHANGES FROM HQ ABOVE TO NQ BELOW	62 %

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Kapuskasing Phosphate Operation Exploration Drilling

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Lithological Descriptions

Drill Hole ID
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North 5461458.89

Start Date 1/7/2005

East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
105.0 m	106.1 m	1.1 m	720	BROWN AND BLUE GREY SILT AND COMMON SILICIFIED WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM AND PYROXENITE RESIDUUM) -medium brown and orange brown silt and medium green blue grey silt and clay with minor magnetic silt patches -30% silicified weathered carbonatite pieces (≤4cm) as in 86.0-105.0m and minor medium green strongly weathered pyroxenite pieces -probably carbonatite and pyroxenite residuum, may have been preferentially weathered due to pyroxenite composition without silicification -poorly formed core and well formed pieces -lower contact in lost core	18 %
106.1 m	110.0 m	3.9 m	720	SILICIFIED WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM) -as in 86.0-105.0m -well formed pieces ≤7cm -lower contact in lost core	12 %

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Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-248

North 5461458.89

Start Date 1/7/2005

East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
110.0 m	124.9 m	14.9 m	720	<p>BROWN AND MINOR GREEN BLUE SILT (CARBONATITE AND MINOR PYROXENITE RESIDUUM)</p> <ul style="list-style-type: none">-a mix of brown silt, mainly medium orange brown but also medium and medium to dark brown and medium rusty brown-minor to common (approximately 10% overall) cream green to medium grey blue to dark green blue silt with minor coarse grained (≤ 0.5cm) green mica (3% overall) found disseminated locally throughout but especially in sections, probably sections of pyroxenite composition, locally slightly less weathered grading to strongly weathered pyroxenite-banding rarely observed at 0° to CA-mainly moderately formed core but ranges from unformed to moderately formed-lower contact in lost core <p>111.5-113.0 - common medium grey blue green silt with slightly hardened pieces 113.0-113.3 - dark green blue slightly hardened silt 115.6-116.0 - dark brown silt 122.3-123.5 - common medium green and grey blue silt 123.5-124.4 - medium and dark green silt and minor clay locally with coarse grained (≤ 1cm) pyroxene grains - colour and locally texture of pyroxenite residuum</p>	55 %
124.9 m	126.5 m	1.6 m	720	<p>SILICIFIED WEATHERED CARBONATITE PIECES AND BROWN SILT</p> <ul style="list-style-type: none">-60% silicified weathered carbonatite pieces (≤ 7cm) as in 86.0-105.0m with 40% medium orange brown and medium brown with minor cream green silt and minor clay-well formed pieces and unformed and poorly formed core-lower contact in lost core	16 %

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Kapuskasing Phosphate Operation

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Lithological Descriptions

Drill Hole ID
AGR-05-248

North 5461458.89

East 366953.2

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

Start Date 1/7/2005

End Date 1/12/2005

From	To	Length	Lithological Code	Description	% Recovery
126.5 m	128.0 m	1.5 m	720	BROWN SILT (CARBONATITE RESIDUUM) -medium orange brown, tan brown, and rusty brown silt -10% dark grey and dark brown magnetite silt in patches and bands at 20° to CA -5% coarse grained (≤1.5cm) green mica flakes -1% bright pistachio green silt in local patches disseminated throughout -poorly and moderately formed core -lower contact in lost core	70 %
128.0 m	129.4 m	1.4 m	720	ORANGE AND GREY BLUE SILT (PYROXENITE RESIDUUM) -medium orange and medium and dark green grey blue silt, minor yellow tan silt -colours in bands and patches at 60° to CA -possibly carbonatite residuum with abundant bands of pyroxenite composition -moderately formed core -lower contact in lost core	86 %
129.4 m	130.0 m	0.6 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND GREEN CLAY AND TAN SILT (CARBONATITE RESIDUUM AND MINOR PYROXENITE RESIDUUM) -50% silicified weathered carbonatite pieces (≤6cm) similar to those at 86.0-105.0m but with minor bright pistachio green silt patches -30% bright pistachio to mossy green clay -20% tan silt -poor recovery and contact meterage may be inaccurate -well formed pieces and poorly formed core -lower contact in lost core	25 %

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Lithological Descriptions

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North 5461458.89

Start Date 1/7/2005

East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
130.0 m	130.5 m	0.5 m	720	CREAM SILT (CARBONATITE RESIDUUM) -cream and minor tan and dark brown silt in bands at 40° to CA -poor recovery and meterage may be inaccurate -poorly formed core -lower contact in lost core	20 %
130.5 m	132.5 m	2.0 m	720	BROWN SILT AND SILICIFIED WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM AND PYROXENITE RESIDUUM) -60% dark brown and medium brown silt with minor orange and light grey green silt with minor green mica flakes (≤3mm) -40% silicified weathered carbonatite pieces (≤4cm) as at 86.0-105.0m -probably pyroxenite and carbonatite residuum -poor recovery and contact meterage may be inaccurate -unformed and poorly formed core and well formed pieces -lower contact in lost core	10 %
132.5 m	135.5 m	3.0 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND RARE BROWN SILT (CARBONATITE RESIDUUM) -as 86.0-105.0m -well formed pieces (≤7cm) -lower contact in lost core	5 %

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Actual Depth 223

Number of Boxes 31

From	To	Length	Lithological Code	Description	% Recovery
135.5 m	135.9 m	0.4 m	720	GREEN AND TAN BROWN CEMENTED SILT (CARBONATITE RESIDUUM AND PYROXENITE RESIDUUM) -medium pistachio to mossy green and orange to medium tan brown solid core pieces (\leq 9cm) with green sections disrupted by patches and bands of tan brown -tan brown material is moderately silicified and green material is soft -<5% silt of same colours -probably cemented carbonatite and pyroxenite residuum -well formed pieces -lower contact in lost core	25 %
135.9 m	137.4 m	1.5 m	720	SILICIFIED WEATHERED CARBONATITE PIECES AND COMMON BROWN SILT (CARBONATITE RESIDUUM) -75% silicified weathered carbonatite pieces (\leq 11cm) as at 86.0-105.0m, possibly cemented residuum -25% medium and common dark brown silt -well formed pieces and unformed core -lower contact in lost core	27 %
137.4 m	141.5 m	4.1 m	720	SILICIFIED WEATHERED CARBONATITE/CEMENTED RESIDUUM PIECES AND RARE LOCAL TAN BROWN SILT (CARBONATITE RESIDUUM) -similar to 86.0-105.0m but with <3% magnetite grains, without pistachio green clay, and more crystalline looking with common crystals filling vugs, sugary texture, and local honeycomb texture -possibly cemented silt or with cemented silt filled fractures and patches -banded at 30-40° to CA -well formed pieces (\leq 19cm) -lower contact in lost core 140.0-141.5 - common pink colouration	34 %

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Lithological Descriptions

Drill Hole ID
AGR-05-248

North 5461458.89

East 366953.2

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 31

Start Date 1/7/2005

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From	To	Length	Lithological Code	Description	% Recovery
141.5 m	143.0 m	1.5 m	720	ORANGE BROWN SILT (CARBONATITE RESIDUUM) -medium orange brown silt, minor dark grey magnetite silt in patches after grains (≤ 0.5 cm), minor cream silt -typical carbonatite residuum -moderately formed core -lower contact in lost core	7 %
143.0 m	145.2 m	2.2 m	720	BROWN SILT AND COMMON SILICIFIED WEATHERED CARBONATITE/CEMENTED RESIDUUM PIECES (CARBONATITE RESIDUUM) -75% medium brown and medium orange brown silt with 2% magnetite silt in patches after grains (≤ 0.5 cm) -25% silicified weathered carbonatite /cemented residuum pieces (≤ 3 cm) as in 137.4-141.5m -well formed pieces and unformed core -lower contact in lost core	11 %
145.2 m	147.5 m	2.3 m	720	ORANGE BROWN SILT (CARBONATITE RESIDUUM AND PYROXENITE RESIDUUM) -medium orange to orange brown to tan brown silt with minor silver mica flakes (≤ 2 mm) -1% magnetite silt in patches after grains (≤ 0.5 cm) -not typical carbonatite residuum as with pink orange hue similar to some pyroxenite residuum -poorly formed core -lower contact in lost core	9 %

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From	To	Length	Lithological Code	Description	% Recovery
147.5 m	153.5 m	6.0 m	720	SILICIFIED WEATHERED CARBONATITE/CEMENTED RESIDUUM PIECES AND CEMENTED RESIDUUM/WEATHERED RAUHAUGITE PIECES -a jumble of different types of solid core pieces -50% silicified weathered carbonatite or possibly cemented residuum pieces as in 137.4-141.5m, found throughout -40% tan medium grained crystalline equigranular solid core pieces, mostly soft, difficult to distinguish whether it is cemented residuum or strongly weathered rauhaugite, found throughout but mainly from 148.1-149.0m where this is the only rock type and is solid core -10% dark grey brown, iron rich cemented residuum pieces found mainly from 147.5-148.1 -well formed pieces (≤ 18 cm) -lower contact in lost core	18 %
153.5 m	158.0 m	4.5 m	720	ORANGE BROWN SILT WITH MINOR CEMENTED RESIDUUM PIECES (CARBONATITE RESIDUUM) -medium orange to orange brown silt with minor tan silt -1% dark grey magnetite silt found in patches after grains (≤ 0.5 cm) -5% tan and dark brown solid core pieces that appear to be cemented residuum but may be silicified weathered carbonatite and strongly weathered rauhaugite pieces similar to 147.5-153.5m -solid core pieces (≤ 4 cm) are found locally at 153.5-154.0m, 154.8-155.0m, 155.8-156.2m -unformed to moderately formed core with minor solid core pieces -lower contact in lost core	32 %

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From	To	Length	Lithological Code	Description	% Recovery
158.0 m	160.5 m	2.5 m	720	ORANGE BROWN SILT AND SILICIFIED WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM) -50% medium orange brown silt grading to tan and tan brown silt towards lower contact -50% silicified weathered carbonatite pieces as in 86.0-105.0m but without pistachio green clay, well banded at 35-45° to CA -very poor recovery and lower contact meterage may be inaccurate -well formed pieces (≤7cm) and unformed and poorly formed core -lower contact in lost core	8 %
160.5 m	162.2 m	1.7 m	720	TAN AND ORANGE BROWN SILT (CARBONATITE RESIDUUM) -cream, beige, and tan silt near top of unit grading downhole to medium orange brown and tan silt -rare dark grey silt patches (≤3mm) of iron oxide -very poor recovery and contact meterage may be inaccurate -unformed to moderately formed core -lower contact in lost core	29 %
162.2 m	164.2 m	2.0 m	720	SILICIFIED WEATHERED CARBONATITE/CEMENTED RESIDUUM PIECES (CARBONATITE RESIDUUM) -as in 137.4-141.5m -minor tan brown silt near top of unit -very poor recovery and contact meterage may be inaccurate -well formed pieces (≤10cm) -lower contact in lost core	13 %

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From	To	Length	Lithological Code	Description	% Recovery
164.2 m	165.5 m	1.3 m	720	ORANGE BROWN AND COMMON CREAM SILT (CARBONATITE RESIDUUM) -medium orange brown and common cream silt, rare dark grey silt -typical carbonatite residuum -very poor recovery and contact meterage may be inaccurate -poorly formed core -lower contact in lost core	12 %
165.5 m	167.0 m	1.5 m	720	TAN SILT, SILICIFIED WEATHERED CARBONATITE/CEMENTED RESIDUUM PIECES, AND DARK BROWN CEMENTED SILT PIECES (CARBONATITE RESIDUUM) -40% tan silt (carbonatite residuum), moderately formed core, found especially from 165.6-166.1m -30% silicified weathered carbonatite/cemented residuum pieces (≤ 10 cm) as in 137.4-141.5m but some are more definitely weathered carbonatite as in 158.0-160.5m, found especially from 166.1-166.7m but found throughout -30% dark brown, fine grained, silicified, cemented (silica and iron) silt pieces (≤ 5 cm) with minor vugs, found throughout, possibly weathered carbonatite -well formed pieces and moderately formed core -lower contact in lost core	40 %
167.0 m	171.0 m	4.0 m	720	DARK BROWN AND COMMON TAN SILT AND MINOR CEMENTED RESIDUUM PIECES (CARBONATITE RESIDUUM) -medium to dark brown and common tan silt with minor cream silt, minor orange brown silt below 170.0m -5% dark brown, silicified, fine grained, cemented residuum pieces (≤ 4 cm) with minor vugs and with iron and silica cement found mainly from 167.0-167.4m and rare in rest of unit, possibly with some silicified weathered carbonatite pieces -poorly to moderately formed core and minor well formed core -lower contact in lost core	36 %

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From	To	Length	Lithological Code	Description	% Recovery
171.0 m	176.0 m	5.0 m	720	BROWN AND ORANGE SILICIFIED CEMENTED SILT PIECES (CARBONATITE RESIDUUM) -dark purple brown and tan orange to orange, fine grained, strongly silicified solid core pieces with local minor vugs -tan orange in sections or as speckles and patches within darker brown -cement is silica and iron -locally banded at 40° to CA -possibly with some weathered carbonatite pieces -well formed pieces (≤9cm) -lower contact in lost core	24 %
176.0 m	177.5 m	1.5 m	799	LOST CORE	0 %
177.5 m	188.0 m	10.5 m	710	WEATHERED RAUHAUGITE AND MINOR LOCAL TAN SILT -creamy tan, fine grained, soft, solid core pieces of weakly to moderately weathered rauhaugite -0.5% coarse (≤1cm) grains of magnetite disseminated throughout -0.5-1% dark green coarse grained (≤0.5cm) mineral found locally aligned in rough bands at 30° to CA -minor white carbonate or rusty brown iron oxide stringers (≤0.5cm) at 0-40° to CA mainly crosscutting banding but some aligned with banding -strongly fractured but not yet broken into pieces except locally -5% silt of the same colour as solid core found especially in zones of fractured pieces -locally fractures are filled with brecciated pieces of rauhaugite in a medium and dark brown matrix with iron oxide and carbonate aligned with banding (picture taken) -well formed pieces (≤27cm) and minor unformed core -lower contact in lost core	43 %

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From	To	Length	Lithological Code	Description	% Recovery
188.0 m	195.5 m	7.5 m	720	FRACTURED WEATHERED RAUHAUGITE AND MINOR LOCAL BROWN AND TAN SILT -light to dark brown, tan, and minor cream, solid core pieces of moderately to strongly weathered rauhaugite locally to cemented silt? -a mixture of grades of weathering and patchy fractured appearance -common brecciation with tan and cream less weathered fragments in a medium and dark brown matrix -minor dark rusty grey brown iron oxide rich cemented residuum pieces -very strongly fractured and brecciated but commonly not yet broken into pieces -minor dark brown and tan silt found locally -well formed pieces (≤ 30 cm) -lower contact in lost core	15 %
195.5 m	198.5 m	3.0 m	720	BROWN AND TAN SILT, COMMON CEMENTED RESIDUUM PIECES, AND WEATHERED CARBONATITE/CEMENTED RESIDUUM PIECES (CARBONATITE RESIDUUM) -medium and dark brown, and tan and tan brown silt with minor medium grained (≤ 2 mm) flakes of silver, green, and tan mica -10% dark brown cemented residuum pieces (≤ 2 cm) -10% tan, coarse grained, mainly equigranular, strongly weathered carbonatite or cemented residuum pieces (≤ 8 cm) -2% coarse grains (≤ 0.5 cm) of magnetite disseminated in the silt and the weathered carbonatite/cemented residuum pieces -unformed to moderately formed core and common well formed pieces -lower contact in lost core	20 %

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From	To	Length	Lithological Code	Description	% Recovery
198.5 m	223.0 m	24.5 m	710	<p>FRACTURED WEATHERED RAUHAUGITE AND MINOR BROWN AND TAN SILT -similar to 188.0-195.5m but only minor local dark brown colour, and mostly found above 206.5m, with 1% coarse grains (≤1cm) of magnetite overall disseminated within rough bands found locally, with sections of weakly to moderately weathered rauhaugite as in 177.5-188.0m found locally, with an increase in tan and minor dark brown silt to 10% overall, and strongly weathered parts are commonly gradational to silt -well formed pieces (≤23cm) and unformed core 198.5-199.1 - dark brown cemented silt to strongly weathered carbonatite 210.9-212.3 - weakly to moderately weathered solid core section 212.9-213.5 - weakly to moderately weathered solid core section 213.9-214.8 - common tan silt from strong fracturing of rauhaugite 216.8-218.0 - moderately weathered solid core section 219.5-220.6 - moderately weathered solid core section 221.0-221.8 - moderately weathered solid core section 221.8-222.5 - Tan and Bright Lime Green Silt and Clay and Weathered Rauhaugite Pieces - 30% tan silt - 20% bright lime green silt and clay - 50% weathered rauhaugite pieces (≤3cm) - probably pyroxenite dike residuum within rauhaugite - unformed core 222.5-223.0 - weakly to moderately weathered solid core section</p>	38 %
223.0				END OF HOLE	%

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East 366953.2

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Proposed Depth

Actual Depth 223

Number of Boxes 0

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162323	14.00	14.40	0.40	4.02	12.16	1.41	5.44	58.32	5.49	1.53	0.655	Pyroxenite Residuum and Boulder Till
A162324	14.40	15.20	0.80	1.73	23.03	3.14	8.70	38.39	5.24	4.50	1.43	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162325	15.20	15.50	0.30	1.53	9.80	3.70	12.79	46.13	3.72	1.35	1.5	Weathered Pyroxenite Boulders and Green, Blue, and Brown Silt and Clay
A162326	15.50	16.25	0.75	2.91	28.69	2.48	7.25	32.81	6.57	4.88	1.97	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162327	16.25	17.00	0.75	3.38	21.81	3.95	7.14	38.74	7.21	3.98	0.449	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162328	17.00	17.75	0.75	2.94	19.78	4.35	6.85	41.35	6.83	4.39	1.15	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162329	17.75	18.50	0.75	2.16	20.87	4.99	6.78	39.17	6.41	5.04	0.759	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162330	18.50	19.30	0.80	1.66	24.34	4.08	7.01	36.99	5.00	4.91	0.726	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162331	19.30	20.00	0.70	2.19	19.71	2.68	6.61	45.88	4.56	4.53	2.52	Tan, Brown, and Minor Blue Grey Silt and Clay (Carbonatite and Pyroxenite Residuum?)
A162332	20.00	20.60	0.60	1.45	12.14	1.26	4.51	65.92	2.68	2.68	0.166	Tan, Brown, and Minor Blue Grey Silt and Clay (Carbonatite and Pyroxenite Residuum?)
A162333	20.60	21.50	0.90	1.64	20.41	4.64	7.29	43.41	3.81	5.34	1.45	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162334	21.50	22.25	0.75	3.17	21.13	3.94	7.16	38.61	6.63	4.83	0.655	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162335	22.25	23.00	0.75	3.59	24.11	3.60	6.94	37.01	7.19	6.38	2.1	Green, Blue, and Brown Silt and Clay (Pyroxenite Residuum)
A162336	23.00	24.50	1.50	2.09	36.58	2.55	5.35	29.49	3.75	4.92	2.4	Brown, Blue, and Tan Silt (Pyroxenite Residuum)
A162337	24.50	25.25	0.75	3.18	27.97	2.77	5.13	35.84	5.26	3.73	0.866	Brown, Blue, and Tan Silt (Pyroxenite Residuum)
A162338	25.25	26.00	0.75	1.62	30.20	4.26	5.53	36.44	3.50	4.56	1.69	Brown, Blue, and Tan Silt (Pyroxenite Residuum)
A162339	26.00	27.50	1.50	2.39	18.61	4.87	5.07	49.38	4.19	3.52	1.06	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162340	27.50	29.00	1.50	1.81	20.66	6.89	5.78	42.54	4.70	4.04	1.4	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162341	29.00	29.75	0.75	3.11	22.04	6.19	5.96	34.35	6.59	2.78	0.866	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162342	29.75	30.50	0.75	5.10	18.98	6.21	5.61	35.29	9.55	3.94	2.44	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162343	30.50	32.00	1.50	1.72	24.65	5.32	7.27	33.39	4.68	3.28	0.349	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162344	32.00	33.50	1.50	2.30	24.77	5.07	6.35	35.77	4.76	3.45	0.573	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces

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North 5461458.89

Start Date 1/7/2005

East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162345	33.50	35.00	1.50	6.18	20.72	5.09	5.32	31.30	11.15	3.20	0.88	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162346	35.00	35.75	0.75	3.05	22.38	5.70	5.26	32.34	9.67	6.12	6.08	Strongly Weathered Pyroxenite Pieces to Minor Grey Blue and Brown Silt
A162347	35.75	36.50	0.75	4.49	21.55	5.42	5.10	30.10	11.13	5.69	2.63	Strongly Weathered Pyroxenite Pieces to Minor Grey Blue and Brown Silt
A162348	36.50	37.25	0.75	3.16	20.15	6.01	7.45	33.90	7.60	3.40	1.11	Strongly Weathered Pyroxenite Pieces to Minor Grey Blue and Brown Silt
A162349	37.25	38.00	0.75	3.19	27.97	4.54	5.34	31.31	8.06	5.68	14	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162350	38.00	38.75	0.75	3.11	30.86	3.00	7.17	29.84	6.99	6.84	3.78	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162351	38.75	39.50	0.75	1.74	26.76	4.48	6.09	34.47	4.92	4.16	2.38	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162352	39.50	41.00	1.50	3.74	21.92	5.90	4.28	38.08	6.70	3.22	2.13	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162353	41.00	41.75	0.75	3.36	21.32	5.17	7.31	36.17	7.32	4.14	1.56	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162354	41.75	42.40	0.65	1.83	29.57	6.43	5.27	32.11	5.06	4.66	3.14	Grey Blue and Brown Silt to Minor Strongly Weathered Pyroxenite Pieces
A162355	42.40	43.10	0.70	3.25	19.62	6.11	3.36	43.87	5.26	2.01	1.27	Weathered Pyroxenite and Silicified Carbonatite and Dark Grey Silt
A162356	43.10	44.10	1.00	2.60	17.58	1.80	0.72	55.22	3.27	0.35	0.435	Silicified Carbonatite with Common Pyrite, Weathered Pyroxenite and Dark Grey Silt
A162357	44.10	44.75	0.65	2.70	12.91	3.87	2.52	59.98	3.98	1.16	1.39	Green Grey Silt and Strongly Weathered Pyroxenite and Minor Carbonatite Residuum
A162358	44.75	45.50	0.75	2.97	12.10	3.84	2.38	60.68	4.22	1.10	0.815	Green Grey Silt and Strongly Weathered Pyroxenite and Minor Carbonatite Residuum
A162359	45.50	47.00	1.50	2.41	13.81	6.08	4.48	53.58	3.73	2.06	2.77	Green Grey Silt and Strongly Weathered Pyroxenite and Minor Carbonatite Residuum
A162360	47.00	47.80	0.80	10.12	19.09	4.10	6.17	26.32	15.38	3.10	4.02	Green Grey Silt and Strongly Weathered Pyroxenite and Minor Carbonatite Residuum
A162361	47.80	48.50	0.70	5.98	34.07	1.80	5.21	23.42	8.41	3.46	0.895	Orange Brown and Green Silt (Pyroxenite and Carbonatite Residuum)
A162362	48.50	49.20	0.70	3.42	37.53	1.01	6.05	24.49	4.60	3.39	0.475	Orange Brown and Green Silt (Pyroxenite and Carbonatite Residuum)
A162363	49.20	49.90	0.70	4.58	59.26	0.40	0.99	14.97	4.20	0.90	1.54	Cemented Silt and Minor Tan and Brown Silt (Carbonatite Residuum)
A162364	49.90	50.75	0.85	5.89	19.00	0.28	0.39	56.47	7.24	0.51	1.5	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162365	50.75	51.50	0.75	2.41	9.62	0.31	0.47	76.94	2.92	0.38	1.21	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162366	51.50	53.00	1.50	3.07	9.42	0.31	0.55	75.24	4.05	0.42	0.732	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)

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Assay Results

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A162367	53.00	54.50	1.50	2.77	8.46	0.19	0.47	77.78	3.67	0.43	0.591	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162368	54.50	55.25	0.75	1.40	12.13	0.16	0.60	75.20	1.60	0.70	0.47	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162369	55.25	56.00	0.75	1.77	9.07	0.23	0.40	78.79	2.14	0.57	0.47	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162370	56.00	57.50	1.50	0.87	15.97	0.16	0.40	72.77	0.84	1.06	0.448	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162371	57.50	58.25	0.75	3.10	15.29	0.11	0.26	68.68	3.71	0.91	5.03	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162372	58.25	59.00	0.75	1.65	15.30	0.11	0.39	72.03	1.82	1.04	0.854	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162373	59.00	59.75	0.75	1.40	13.04	0.11	0.33	77.59	1.74	0.92	4.18	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162374	59.75	60.50	0.75	1.76	11.84	0.11	0.37	77.46	2.20	0.77	1.64	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162375	60.50	62.00	1.50	1.85	11.24	0.11	0.39	75.81	2.10	0.59	1.74	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162376	62.00	63.50	1.50	3.78	13.76	0.17	0.50	67.95	4.59	1.18	0.528	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162377	63.50	64.25	0.75	2.14	5.50	0.03	0.23	84.93	2.86	0.26	1.76	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162378	64.25	65.00	0.75	2.12	5.30	0.01	0.34	84.37	2.79	0.07	0.385	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162379	65.00	66.50	1.50	4.60	10.66	0.12	0.39	71.83	6.04	0.53	2.02	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162380	66.50	68.00	1.50	4.12	5.98	0.07	0.25	78.61	5.46	0.29	0.578	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162381	68.00	69.50	1.50	3.27	5.54	0.02	0.22	81.53	4.47	0.19	4.19	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162382	69.50	71.00	1.50	3.03	4.94	0.03	0.19	83.49	4.13	0.15	0.45	Silicified Weathered Carbonatite Pieces and Minor Local Brown Silt (Carbonatite Residuum)
A162383	71.00	72.50	1.50	8.94	15.58	0.20	0.65	53.46	11.55	0.74	0.951	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162384	72.50	74.00	1.50	4.36	4.92	0.09	0.38	78.96	5.96	0.21	0.24	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162385	74.00	75.50	1.50	9.94	18.98	0.20	0.53	47.04	12.35	0.54	1.66	Orange Brown & Minor Tan Silt, Minor Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162386	75.50	77.00	1.50	20.23	20.50	0.28	1.36	22.11	25.30	1.36	0.572	Orange Brown & Minor Tan Silt, Minor Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162387	77.00	77.75	0.75	27.26	19.36	0.31	1.51	8.26	34.99	2.59	2.91	Orange Brown & Minor Tan Silt, Minor Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162388	77.75	78.50	0.75	15.89	15.02	0.34	2.70	36.70	19.83	2.47	1.96	Orange Brown & Minor Tan Silt, Minor Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)

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Proposed Depth

Actual Depth 223

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162389	78.50	80.00	1.50	5.05	9.12	0.22	0.87	71.22	6.73	0.94	1.87	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162390	80.00	81.50	1.50	4.16	14.75	0.28	2.80	65.29	5.29	2.78	0.456	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162391	81.50	83.00	1.50	5.67	13.74	0.22	2.09	61.33	7.23	1.38	0.917	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162392	83.00	84.50	1.50	8.98	13.11	0.22	0.50	57.15	11.86	0.84	1.79	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162393	84.50	86.00	1.50	7.26	6.73	0.14	0.44	68.88	9.78	0.54	1.43	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162394	86.00	87.50	1.50	5.34	6.73	0.11	0.39	73.91	7.26	0.36	1.76	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162395	87.50	88.25	0.75	4.36	10.12	0.14	0.26	73.47	5.59	0.65	21.4	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162396	88.25	89.00	0.75	3.64	5.42	0.06	0.28	81.41	4.87	0.24	3.62	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162397	89.00	89.75	0.75	5.24	7.31	0.08	0.35	74.19	6.91	0.33	5.22	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162398	89.75	90.50	0.75	3.47	5.95	0.09	0.35	80.40	4.70	0.24	4.97	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162399	90.50	91.25	0.75	5.17	4.44	0.11	0.37	78.18	6.94	0.16	9.84	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162400	91.25	92.00	0.75	4.66	3.31	0.07	0.33	80.62	6.30	0.09	1.06	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162401	92.00	92.75	0.75	8.26	7.73	0.18	0.39	66.30	10.70	0.47	9.32	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162402	92.75	93.50	0.75	5.11	6.79	0.15	0.33	75.57	6.81	0.30	12.6	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162403	93.50	95.00	1.50	5.76	5.49	0.17	0.47	74.94	7.66	0.26	5.3	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162404	95.00	95.75	0.75	4.90	4.90	0.20	0.36	78.55	6.59	0.27	6.74	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162405	95.75	96.50	0.75	3.80	4.98	0.21	0.31	81.26	5.10	0.26	8.01	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162406	96.50	97.25	0.75	2.78	4.59	0.26	0.25	84.88	3.82	0.12	3.41	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162407	97.25	98.00	0.75	2.57	4.35	0.13	0.40	85.59	3.51	0.14	3.58	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162408	98.00	99.50	1.50	3.09	5.40	0.35	0.28	83.06	4.24	0.25	11	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162409	99.50	100.25	0.75	3.97	5.87	0.17	0.29	80.05	5.43	0.29	11	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162410	100.25	101.00	0.75	5.67	7.22	0.25	0.35	74.12	7.42	0.45	11.2	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)

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Proposed Depth

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162411	101.00	102.50	1.50	3.66	4.64	0.10	0.22	82.21	4.89	0.13	2.56	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162412	102.50	104.00	1.50	4.58	7.32	0.30	0.45	75.52	6.10	0.45	4.92	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162413	104.00	105.00	1.00	8.38	6.63	0.25	0.36	66.65	10.86	0.32	7.27	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162414	105.00	105.50	0.50	4.89	14.67	1.56	1.90	62.31	6.38	1.30	8.17	Brown & Blue Grey Silt, Silicified Weathered Carbonatite Pieces (Residuum (Carbonatite & Pyroxenite))
A162415	105.50	106.10	0.60	4.68	17.12	2.64	4.47	52.92	6.09	2.89	5.84	Brown & Blue Grey Silt, Silicified Weathered Carbonatite Pieces (Residuum (Carbonatite & Pyroxenite))
A162416	106.10	107.00	0.90	5.31	7.57	0.38	0.44	73.66	7.11	0.37	6.7	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162417	107.00	108.50	1.50	9.25	10.06	0.44	0.61	61.47	11.88	0.59	18.1	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162418	108.50	110.00	1.50	4.30	8.17	0.31	0.30	75.13	5.68	0.25	5.28	Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162419	110.00	111.50	1.50	10.43	29.46	1.60	3.21	25.76	13.42	1.54	10.4	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162420	111.50	113.00	1.50	1.41	11.88	1.91	1.96	72.01	2.02	1.31	2.04	Brown and Common Green Blue Silt (Carbonatite and Common Pyroxenite Residuum)
A162421	113.00	113.30	0.30	2.09	21.88	3.44	4.74	46.33	3.12	2.57	2.27	Green Blue Hardened Silt (Pyroxenite Residuum)
A162422	113.30	113.75	0.45	5.86	36.33	2.19	5.15	23.32	7.60	3.22	12.2	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162423	113.75	114.50	0.75	16.34	30.32	1.81	1.84	15.61	21.24	1.25	28.4	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162424	114.50	115.25	0.75	6.13	24.35	3.15	5.16	32.35	8.36	2.33	2.28	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162425	115.25	116.00	0.75	6.43	29.18	3.56	4.98	25.73	8.92	2.38	3	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162426	116.00	117.50	1.50	16.36	21.50	1.62	1.46	26.50	21.66	1.18	22.5	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162427	117.50	119.00	1.50	8.43	31.20	4.04	3.52	22.85	11.30	2.78	12	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162428	119.00	120.50	1.50	7.10	25.10	4.17	3.38	34.42	9.30	2.15	16.8	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162429	120.50	122.00	1.50	9.07	18.49	1.02	1.05	49.24	11.77	1.45	24.6	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162430	122.00	122.75	0.75	0.66	29.88	4.68	6.71	28.87	4.40	4.83	3.41	Brown and Common Green Blue Silt (Carbonatite and Common Pyroxenite Residuum)
A162431	122.75	123.50	0.75	0.39	35.51	3.90	6.36	27.31	3.98	5.26	9.28	Brown and Common Green Blue Silt (Carbonatite and Common Pyroxenite Residuum)
A162432	123.50	124.40	0.90	0.94	33.22	4.88	5.72	30.99	4.00	5.04	5	Green Silt and Clay (Pyroxenite Residuum)

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Actual Depth 223

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162433	124.40	124.90	0.50	4.81	31.06	3.72	3.61	30.46	6.66	4.14	11.7	Brown and Minor Green Blue Silt (Carbonatite and Minor Pyroxenite Residuum)
A162434	124.90	126.50	1.60	4.76	17.83	2.59	2.85	50.69	6.26	1.48	11.3	Silicified Weathered Carbonatite Pieces and Brown Silt (Carbonatite Residuum)
A162435	126.50	127.25	0.75	10.93	28.83	2.46	2.34	23.14	14.92	1.98	19.7	Brown Silt (Carbonatite Residuum)
A162436	127.25	128.00	0.75	9.42	26.67	2.72	2.69	28.73	12.52	2.01	21	Brown Silt (Carbonatite Residuum)
A162437	128.00	128.75	0.75	0.98	35.56	6.38	6.15	26.40	2.50	4.70	7.24	Orange and Grey Blue Silt (Pyroxenite Residuum)
A162438	128.75	129.40	0.65	1.88	30.76	6.38	6.06	31.33	3.76	4.42	7.9	Orange and Grey Blue Silt (Pyroxenite Residuum)
A162439	129.40	130.00	0.60	3.97	15.17	0.88	0.83	63.56	5.48	0.67	11.5	Silicified Weathered Residuum, Green Clay, Tan Silt (Residuum (Carbonatite & Minor Pyroxenite))
A162440	130.00	130.50	0.50	6.11	11.97	0.65	0.73	64.09	8.07	0.40	8.21	Cream Silt (Carbonatite Residuum)
A162441	130.50	131.00	0.50	8.90	12.31	1.00	1.21	53.72	11.57	0.85	5.49	Brown Silt and Silicified Weathered Carbonatite Pieces (Residuum (Carbonatite & Pyroxenite))
A162442	131.00	132.50	1.50	6.14	22.18	1.12	1.15	46.08	7.71	0.95	19.8	Brown Silt and Silicified Weathered Carbonatite Pieces (Residuum (Carbonatite & Pyroxenite))
A162443	132.50	134.00	1.50	3.38	6.00	0.56	0.60	79.08	4.85	0.34	3.58	Silicified Weathered Carbonatite Pieces
A162444	134.00	135.50	1.50	2.51	4.92	0.47	0.46	84.12	3.55	0.24	4.22	Silicified Weathered Carbonatite Pieces
A162445	135.50	135.90	0.40	2.51	17.77	0.41	0.36	62.31	3.49	0.14	0.557	Green and Tan Brown Cemented Silt (Residuum (Carbonatite & Pyroxenite))
A162446	135.90	137.00	1.10	5.38	10.53	0.29	0.39	68.34	7.10	0.27	2.37	Silicified Weathered Carbonatite Pieces and Common Brown Silt (Carbonatite Residuum)
A162447	137.00	137.40	0.40	7.18	15.46	0.32	0.43	56.98	9.32	0.49	11.2	Silicified Weathered Carbonatite Pieces and Common Brown Silt (Carbonatite Residuum)
A162448	137.40	138.50	1.10	5.07	11.74	0.24	0.31	66.90	6.47	0.22	2.05	Silicified Weathered Carbonatite Pieces and Cemented Residuum Pieces (Carbonatite Residuum)
A162449	138.50	140.00	1.50	3.27	3.51	0.22	0.33	83.04	4.37	0.09	0.312	Silicified Weathered Carbonatite Pieces and Cemented Residuum Pieces (Carbonatite Residuum)
A162450	140.00	141.50	1.50	1.98	2.77	0.11	0.26	88.17	2.65	0.04	0.27	Silicified Weathered Carbonatite Pieces and Cemented Residuum Pieces (Carbonatite Residuum)
A162451	141.50	143.00	1.50	18.55	20.57	0.38	2.44	25.90	22.87	1.50	13.4	Orange Brown Silt (Carbonatite Residuum)
A162452	143.00	144.50	1.50	22.58	24.42	0.35	2.02	14.90	28.44	1.88	30.8	Brown Silt, Common Silicified Weathered Carbonatite/Cemented Residuum (Carbonatite Residuum)
A162453	144.50	145.20	0.70	8.11	11.75	0.17	0.70	61.39	10.41	0.64	5.81	Brown Silt, Common Silicified Weathered Carbonatite/Cemented Residuum (Carbonatite Residuum)
A162454	145.20	146.00	0.80	6.22	40.98	0.56	7.89	19.68	6.30	5.42	13.9	Orange Brown Silt (Carbonatite Residuum and Pyroxenite Residuum)



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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162455	146.00	147.50	1.50	14.68	35.07	0.46	4.47	13.97	17.29	3.74	15.7	Orange Brown Silt (Carbonatite Residuum and Pyroxenite Residuum)
A162456	147.50	148.10	0.60	4.44	22.45	0.16	0.58	55.21	5.16	0.22	1.97	Silicified Weathered Carbonatite/Cemented Residuum and Cemented Residuum Pieces
A162457	148.10	149.00	0.90	3.85	4.97	0.08	0.82	78.46	4.96	0.26	0.646	Silicified Cemented Residuum/Strongly Weathered Rauhaugite?
A162458	149.00	150.50	1.50	4.43	5.71	0.11	0.51	76.84	5.60	0.21	3.04	Silicified Weathered Carbonatite/Cemented Residuum and Cemented Residuum Pieces
A162459	150.50	152.00	1.50	4.35	9.70	0.09	0.34	72.45	5.44	0.20	3.22	Silicified Weathered Carbonatite/Cemented Residuum and Cemented Residuum Pieces
A162460	152.00	153.50	1.50	4.86	15.37	0.14	0.72	63.70	6.09	0.42	3.51	Silicified Weathered Carbonatite/Cemented Residuum and Cemented Residuum Pieces
A162461	153.50	155.00	1.50	10.79	12.26	0.21	1.12	52.19	13.07	0.58	8.03	Orange Brown Silt with Minor Local Cemented Residuum Pieces (Carbonatite Residuum)
A162462	155.00	156.50	1.50	18.76	26.62	0.40	2.66	16.79	22.76	2.05	12.5	Orange Brown Silt with Minor Local Cemented Residuum Pieces (Carbonatite Residuum)
A162463	156.50	158.00	1.50	6.51	15.23	0.24	1.16	58.02	8.30	0.69	1.89	Orange Brown Silt (Carbonatite Residuum)
A162464	158.00	159.50	1.50	6.57	9.65	0.20	0.87	66.32	8.38	0.49	3.69	Orange Brown Silt and Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162465	159.50	160.50	1.00	9.55	5.92	0.20	0.72	63.05	12.60	0.34	0.563	Orange Brown Silt and Silicified Weathered Carbonatite Pieces (Carbonatite Residuum)
A162466	160.50	161.00	0.50	13.66	13.11	0.28	1.63	43.10	17.85	1.27	7.89	Tan and Orange Brown Silt (Carbonatite Residuum)
A162467	161.00	162.20	1.20	13.14	14.66	0.29	2.10	42.29	16.47	0.92	1.04	Tan and Orange Brown Silt (Carbonatite Residuum)
A162468	162.20	162.50	0.30	6.16	8.36	0.20	0.71	70.33	8.19	0.58	2.18	Silicified Weathered Carbonatite/Cemented Residuum Pieces
A162469	162.50	164.20	1.70	4.60	6.76	0.21	0.78	76.18	6.23	0.56	3.89	Silicified Weathered Carbonatite/Cemented Residuum Pieces
A162470	164.20	165.50	1.30	8.18	5.63	0.19	0.68	66.31	10.46	0.13	0.175	Orange Brown and Common Cream Silt (Carbonatite Residuum)
A162471	165.50	167.00	1.50	7.91	11.89	0.29	0.32	60.71	10.17	0.16	2.46	Tan Silt, Silicified Weathered Carbonatite/Cemented Residuum Pieces and Cemented Silt Pieces
A162472	167.00	168.50	1.50	9.43	21.53	0.40	0.38	43.26	11.85	0.35	6.76	Dark Brown and Common Tan Silt and Minor Cemented Residuum Pieces (Carbonatite Residuum)
A162473	168.50	170.00	1.50	13.85	39.28	0.34	0.33	16.93	17.53	0.17	7.85	Dark Brown and Common Tan Silt (Carbonatite Residuum)
A162474	170.00	171.00	1.00	16.50	36.27	0.43	0.35	10.04	21.73	0.06	1.58	Dark Brown and Common Tan Silt (Carbonatite Residuum)
A162475	171.00	171.50	0.50	2.77	10.58	0.12	0.13	73.31	3.65	0.00	0.287	Brown and Orange Silicified Cemented Silt Pieces (Carbonatite Residuum)
A162476	171.50	173.00	1.50	4.82	8.43	0.14	0.13	70.11	6.61	-0.01	0.321	Brown and Orange Silicified Cemented Silt Pieces (Carbonatite Residuum)

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Kapuskasing Phosphate Operation Exploration Drilling

Drill Hole ID
AGR-05-248

North 5461458.89

Start Date 1/7/2005

East 366953.2

End Date 1/12/2005

Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162477	173.00	174.50	1.50	4.72	9.86	0.13	0.12	69.49	6.24	0.00	0.36	Brown and Orange Silicified Cemented Silt Pieces (Carbonatite Residuum)
A162478	174.50	176.00	1.50	3.88	14.35	0.82	0.65	63.06	5.37	0.40	2.11	Brown and Orange Silicified Cemented Silt Pieces (Carbonatite Residuum)
A162479	177.50	179.00	1.50	5.83	4.74	13.28	0.25	1.68	38.38	0.00	0.093	Weathered Rauhaugite
A162480	179.00	179.75	0.75	5.08	5.45	13.87	0.24	1.67	37.32	0.01	0.113	Weathered Rauhaugite
A162481	179.75	180.50	0.75	6.12	7.12	12.77	0.26	1.82	36.59	0.00	0.087	Weathered Rauhaugite and Minor Tan Silt
A162482	180.50	181.25	0.75	6.99	7.00	11.84	0.28	1.91	37.83	0.09	0.628	Weathered Rauhaugite
A162483	181.25	182.00	0.75	10.18	10.72	8.66	0.34	2.21	37.68	0.07	0.193	Weathered Rauhaugite and Minor Tan Silt
A162484	182.00	183.50	1.50	6.94	5.99	13.45	0.24	0.97	37.39	0.01	0.105	Weathered Rauhaugite and Minor Tan Silt
A162485	183.50	185.00	1.50	4.76	4.83	15.18	0.22	0.82	37.15	0.02	0.104	Weathered Rauhaugite and Minor Tan Silt
A162486	185.00	186.50	1.50	6.26	4.66	14.73	0.24	0.87	37.55	0.03	0.327	Weathered Rauhaugite
A162487	186.50	188.00	1.50	6.07	6.44	13.62	0.27	1.18	37.02	0.01	0.251	Weathered Rauhaugite
A162488	188.00	189.50	1.50	27.20	22.73	0.53	0.24	2.47	40.63	0.21	12.6	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162489	189.50	191.00	1.50	11.78	27.98	6.73	0.26	1.37	29.66	1.04	31.2	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162490	191.00	192.50	1.50	8.18	6.98	7.96	0.23	4.80	39.68	0.06	0.928	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162491	192.50	194.00	1.50	10.24	11.04	5.21	0.30	4.32	39.65	0.24	6.61	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162492	194.00	195.50	1.50	8.28	11.44	5.89	0.29	3.93	38.48	0.07	1.56	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162493	195.50	197.00	1.50	9.34	20.80	8.87	0.50	3.04	30.26	0.66	27.5	Brown & Tan Silt, Cemented Residuum, Weathered Carbonatite/Cemented Residuum Pieces
A162494	197.00	198.50	1.50	13.69	18.09	6.93	0.60	3.99	32.55	0.49	18.6	Brown & Tan Silt, Cemented Residuum, Weathered Carbonatite/Cemented Residuum Pieces
A162495	198.50	199.10	0.60	10.01	17.41	2.56	0.42	23.64	25.91	0.39	20.3	Brown Cemented Silt/Weathered Carbonatite
A162496	199.10	200.00	0.90	6.55	8.04	12.16	0.60	2.17	36.71	0.16	12.8	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162497	200.00	201.50	1.50	6.17	11.28	13.59	0.28	1.20	33.87	0.23	16.6	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162498	201.50	203.00	1.50	10.15	18.50	9.62	0.48	2.27	32.95	0.44	91.5	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt

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East 366953.2

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Elevation 228.65

Proposed Depth

Actual Depth 223

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162499	203.00	204.50	1.50	8.13	6.09	13.30	0.29	1.47	36.50	0.09	6.04	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162500	204.50	206.00	1.50	6.30	12.34	12.83	0.41	1.90	33.29	0.45	22.8	Fractured Weathered Rauhaugite and Minor Brown and Tan Silt
A162501	206.00	207.50	1.50	9.20	8.49	10.59	0.39	4.96	35.02	0.12	3.49	Fractured Weathered Rauhaugite and Minor Tan Silt
A162502	207.50	209.00	1.50	5.47	6.13	14.51	0.26	0.80	36.71	0.06	6.39	Fractured Weathered Rauhaugite and Minor Tan Silt
A162503	209.00	210.50	1.50	6.61	5.65	14.38	0.25	1.03	36.92	0.05	8.58	Fractured Weathered Rauhaugite and Minor Tan Silt
A162504	210.50	211.25	0.75	6.50	10.91	11.29	0.30	1.96	35.82	0.38	19.3	Fractured Weathered Rauhaugite and Minor Tan Silt
A162505	211.25	212.00	0.75	5.48	6.14	13.60	0.28	1.30	37.42	0.08	1.39	Weathered Rauhaugite
A162506	212.00	213.50	1.50	5.05	5.18	13.84	0.30	1.24	37.90	0.05	1.77	Fractured Weathered Rauhaugite and Minor Tan Silt
A162507	213.50	215.00	1.50	6.61	6.28	13.42	0.36	1.46	37.35	0.09	9.57	Fractured Weathered Rauhaugite and Common Tan Silt
A162508	215.00	216.50	1.50	4.48	5.39	15.31	0.32	1.59	36.06	0.06	6.15	Fractured Weathered Rauhaugite and Minor Tan Silt
A162509	216.50	218.00	1.50	3.69	4.27	15.10	0.26	2.24	36.57	0.03	1.99	Fractured Weathered Rauhaugite and Minor Tan Silt
A162510	218.00	219.50	1.50	3.76	4.25	14.49	0.25	2.38	36.98	0.01	0.278	Fractured Weathered Rauhaugite and Tan Silt
A162511	219.50	220.25	0.75	6.47	5.03	12.84	0.90	2.76	36.99	0.03	0.212	Fractured Weathered Rauhaugite
A162512	220.25	221.00	0.75	5.77	4.57	14.76	0.47	1.73	36.63	0.02	0.934	Fractured Weathered Rauhaugite and Minor Tan Silt
A162513	221.00	221.80	0.80	6.05	4.84	12.30	0.62	3.26	38.13	0.09	8.19	Fractured Weathered Rauhaugite
A162514	221.80	222.50	0.70	5.39	6.44	11.67	0.48	6.47	35.06	0.07	3.73	Tan & Bright Green Silt & Clay & Weathered Rauhaugite Pieces (Common Pyroxenite Residuum?)
A162515	222.50	223.00	0.50	5.13	4.13	12.34	0.58	2.49	39.44	0.05	2.42	Weathered Rauhaugite

**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461500.1
 Easting: 366818.5
 Elevation: 239.9
 Depth: 174.5
 Azimuth: 90
 Dip: -61

SUMMARY LOG

Drillhole Attitude Tests: No

Township: Cargill
 Claim number: P413076/104395/CLM300
 Drilling Contractor: Norex Drilling
 Drilling Start Date: 1/13/2005
 Drilling End Date: 1/22/2005
 Core Size: HQ
 Casing: No
 Hole Cemented: No
 Why drillhole terminated: Lost drillhole after pulling rods
 Logged by: M. Stalker
 Date Logged: 2/2/2005
 Number of boxes: 32
 Number of assays: 164
 Number of ICP: 0
 Rejects/Pulps saved: Yes
 Core Stored: Agrium Minesite
 Pictures: Yes
 Geotechnical Log: Yes

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	5.0	Lost Core
5.0	8.0	Clay
8.0	18.5	Till
18.5	151.7	Gneiss Residuum
151.7	172.8	Pyroxenite Residuum and Minor Local Weathered Pyroxenite Pieces
172.8	174.5	Carbonatite Residuum (Silicified Cemented Silt and Silt)
174.5		End of Hole

M. Stalker

Agrium

Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-249

North 5461500.1

East 366818.5

Elevation 239.9

Proposed Depth

Actual Depth 174.5

Number of Boxes 32

Start Date 1/13/2005

End Date 1/22/2005

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	5.0 m	5.0 m	799	LOST CORE	0 %
5.0 m	5.8 m	0.8 m	715	BROWN CLAY -medium grey brown sticky clay with minor plant debris (gumbo clay) -poor recovery and lower contact meterage may be inaccurate -unformed core -lower contact in lost core	25 %
5.8 m	6.5 m	0.7 m	714	BROWN VARVED CLAY -medium grey brown clay with light grey brown to cream varves that are thin (≤ 0.5 cm), irregular, deformed, and locally more like patches of lighter material than varves -medium grey brown clay is sticky similar to clay at 5.0-5.8m -poorly formed core -lower contact in lost core	29 %
6.5 m	8.0 m	1.5 m	715	GREY CLAY -medium brown grey sticky clay (gumbo clay) -unformed and poorly formed core -lower contact in lost core	13 %

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From	To	Length	Lithological Code	Description	% Recovery
8.0 m	9.5 m	1.5 m	717	BROWN CLAY AND PEBBLES -medium to dark grey brown sticky clay with 20% heterogenous pebbles (≤ 4 cm) disseminated throughout -poorly formed core -lower contact in lost core	10 %
9.5 m	12.5 m	3.0 m	717	BOULDERS AND MINOR BROWN VARVED CLAY -85% heterogenous subangular to angular boulders (≤ 37 cm) but mainly granodiorite gneiss -15% dark grey brown and light brown to cream clay in about equal amounts found in irregular thin (≤ 1 mm) varves at 60° to CA or in patches and with 2% pebbles (≤ 3 mm) -clay is found at 10.7-11.0m, 11.9-12.3m, 12.4-12.5m -well formed boulders and poorly to moderately formed core -lower contact in lost core	38 %
12.5 m	18.5 m	6.0 m	717	BOULDER TILL -light green grey brown silty clay -20% heterogenous round to angular boulders (≤ 14 cm) but 15% in zones with good recovery -boulders and pebbles are commonly aligned with their long axis at 90° to CA (picture taken) which is not typical -solid core slightly lithified below 14.2m -moderately and well formed core with minor unformed core -lower contact in lost core	76 %

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From	To	Length	Lithological Code	Description	% Recovery
18.5 m	54.5 m	36.0 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -light to dark green, pink to brick red, cream, orange, and tan silt, sand, clay, and gneiss pieces, with minor dark green to grey mica flakes (≤ 2 mm) that are common locally -typical crumbly gneiss residuum locally with original texture observed and remanent gneiss pieces weathering to residuum -local banding at 30-70° to CA -unformed to well formed core but mainly poorly formed -lower contact in lost core 20.9-21.5 - boulders and clay, contamination from uphole removed from sample 35.0-35.3 - tan and medium and dark brown silt, possibly a dike 51.2-51.5 - with common tan and orange brown silt, possibly a dike, contacts not observed	32 %
54.5 m	55.5 m	1.0 m	720	WEATHERED ULTRAMAFIC DIKE (PYROXENITE) PIECES AND GRANITE/GRANODIORITE GNEISS RESIDUUM -70% dark grey and medium khaki brown and purple brown, fine to medium grained, soft, pieces (≤ 10 cm) of ultramafic dike probably pyroxenite, locally weakly and moderately magnetic, gradational between strongly weathered and residuum -30% granite/granodiorite gneiss residuum as in 18.5-54.5m -top of unit is solid core dike till 54.9m but is a jumble of the two rock types below -unformed to well formed core -lower contact in lost core	35 %
55.5 m	59.2 m	3.7 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -as 18.5-54.5m -lower contact in lost or broken core	30 %

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From	To	Length	Lithological Code	Description	% Recovery
59.2 m	60.4 m	1.2 m	720	ULTRAMAFIC DIKE (PYROXENITE) RESIDUUM AND MINOR GRANITE/GRANODIORITE GNEISS RESIDUUM -fine to coarse grained speckles of dark grey green, light to medium yellow green, and orange brown to medium brown silt and clay forming soft solid core pieces of ultramafic dike probably pyroxenite -common fine grained bronze to brown vermiculite/mica flakes (≤ 1 mm) found with the brown silt and clay -rarely weakly magnetic -10% granite/granodiorite gneiss residuum as in 18.5-54.5m found mainly near contacts and especially at 59.2-59.4m -gradational between strongly weathered and residuum with solid core pieces but mainly very soft -moderately and well formed core and minor unformed core -lower contact in lost core	79 %
60.4 m	72.3 m	11.9 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -as 18.5-54.5m -lower contact in lost or broken core	42 %

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From	To	Length	Lithological Code	Description	% Recovery
72.3 m	74.2 m	1.9 m	720	ULTRAMAFIC DIKE (PYROXENITE) RESIDUUM -fine grained speckles of dark grey green and yellow tan silt and clay forming solid core pieces of ultramafic dike probably pyroxenite -common bands of medium orange brown silt overprinting other speckles, bands at 0-35° to CA -minor dark brown grey iron oxide filling fractures -rarely moderately magnetic -gradational between strongly weathered and residuum with very soft solid core pieces -moderately and well formed and minor poorly formed core -lower contact in lost core 72.3-72.5 - yellow tan, medium bright yellow green, mauve, and minor pink silt and clay, may contain gneiss residuum 73.1-73.3 - brown purple, dark grey green, and orange pink silt and clay in bands at 40° to CA - possibly alteration of a gneiss xenolith	74 %
74.2 m	77.3 m	3.1 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -as 18.5-54.5m -lower contact in lost core	85 %
77.3 m	78.2 m	0.9 m	720	ULTRAMAFIC DIKE (PYROXENITE) RESIDUUM -similar to 72.3-74.2m but with fine to medium grained speckles -minor gneiss residuum contamination from surrounding units -lower contact in lost core	67 %

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From	To	Length	Lithological Code	Description	% Recovery
78.2 m	91.5 m	13.3 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM -as 18.5-54.5m -very poor recovery from 90.5-92.0m and lower contact may be inaccurate -lower contact in lost core 81.1-81.5 - common tan silt and clay in blocky pieces (≤4cm) - possibly pyroxenite or carbonatite dike residuum within section 87.9-88.1 - common tan silt, possibly dike residuum within section 89.0-90.5 - 60% hard, strongly weathered gneiss pieces (≤7cm), very poor recovery - a few heterogenous boulders from uphole removed from sample 90.5-91.5 - with minor tan silt and stronger shearing, effected by dike below?	52 %
91.5 m	93.5 m	2.0 m	720	WEATHERED PYROXENITE DIKE PIECES AND PYROXENITE/CARBONATITE DIKE RESIDUUM -50% fine grained, dark green grey and medium purple brown, moderately magnetic, strongly to moderately weathered, ultramafic (pyroxenite) dike pieces (≤4cm) found throughout but especially from 92.5-93.5m -50% tan to orange silt and clay and solid core pieces (≤5cm) that are non-magnetic, pieces may be carbonatite composition weathered dike and silt and clay may be pyroxentite or carbonatite residuum, found especially from 91.5-92.5m -minor gneiss pieces and residuum near upper contact -poor recovery and contacts may be inaccurate -well formed pieces and unformed core -lower contact in lost core 91.5-92.0 - core is a jumble of both unit types and gneiss pieces	13 %

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From	To	Length	Lithological Code	Description	% Recovery
93.5 m	151.7 m	58.2 m	720	GRANITE/GRANODIORITE GNEISS RESIDUUM AND STRONGLY WEATHERED GNEISS PIECES. -similar to 18.5-54.5m but with approximately 30% strongly weathered solid core gneiss pieces of the same colour and texture as the gneiss residuum especially rich from 93.5-110.4m -gradational between weathered gneiss pieces and residuum -banding at 30-60° to CA -well formed pieces (≤24cm) and unformed to well formed core, mainly unformed -lower contact in lost core 96.3-96.5 - Pyroxenite Dike Residuum - dark brown and light khaki green and medium khaki brown silt and clay, non-magnetic - probably pyroxenite dike residuum but possibly carbonatite dike residuum as non-magnetic but strongly weathered - contacts in lost core 101.6-101.8 - Weathered Pyroxenite Dike Pieces - dark green grey, medium grey green, and minor dark purple brown strongly weathered pyroxenite pieces (≤4cm, but mainly <1cm) - locally weakly magnetic, blocky pieces - probably weathered pyroxenite but possibly mafic mineral rich section of gneiss 107.8-108.4 - dark grey green, light yellow green to yellow tan, and minor dark brown silt and clay - probably unusual colouring in mafic mineral rich section of gneiss but possibly a dike (non-magnetic) @110.0 - a 1cm dark purple brown band in solid core pieces at 40° to CA, non-magnetic - probably a pyroxenite dike 110.6-111.4 - common tan silt and clay - probably a more strongly weathered section of gneiss residuum but possibly section includes dike material 124.8-137.0 - mainly granodiorite gneiss residuum and weathered granodiorite gneiss pieces - black, cream to translucent, and orange brown, fine to medium grained, speckles with common fine	54 %

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From	To	Length	Lithological Code	Description	% Recovery
				to medium grained (≤ 1 mm) flakes of black mica - with 5-10% sections, bands, and patches of typical more granitic granite/granodiorite gneiss residuum/ weathered pieces at 30-40° to CA - in strongly weathered residuum sections the silt looks similar to carbonatite residuum but probably all granodiorite gneiss, found especially at 130.4-131.5m - most of the weathered granodiorite gneiss pieces are found at 133.5-137.0m with the rest of the unit dominantly residuum with minor weathered gneiss pieces	
			140.0-140.6	- Weathered Pyroxenite Dike - dark grey and dark tan brown to purple brown, moderately magnetic, fine grained, strongly weathered pyroxenite dike pieces (≤ 4 cm) - 20% silt of similar colour - contacts in lost core and with contamination by gneiss residuum over both contacts and into sample	
			@141.6	- medium brown purple, strongly magnetic, irregular band (45° to CA) of weathered pyroxenite dike in a solid core piece of weathered gneiss	
			143.0-144.5	- mainly very coarse grains (≤ 1 cm) of brick red and translucent cream and grey weathered granite pieces - probably a pegmatitic felsic section of weathered granite/granodiorite gneiss	
			144.8-145.3	- common orange brown and tan green silt and clay without gneiss remanents - probably gneiss but may be pyroxenite or carbonatite residuum	
			147.2-147.5	- Weathered Pyroxenite Dike - dark grey, fine to medium grained, moderately magnetic, strongly weathered, blocky, pyroxenite dike pieces (≤ 6 cm) - containing gneiss xenoliths - minor gneiss residuum contamination in sample - contacts in lost core	

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From	To	Length	Lithological Code	Description	% Recovery
			147.5-148.1	- core appears jumbled, gneiss residuum with local magnetic patches towards lower contact - gneiss residuum possibly containing some pyroxenite residuum material	
			148.1-148.8	- Pyroxenite? Dike Residuum - tan, light tan green, medium khaki brown, and dark brown silt and clay, non-magnetic - probably pyroxenite dike residuum but possibly carbonatite residuum - sharp lower contact at 35° to CA	
			149.0-149.3	- Granite/Granodiorite Gneiss Residuum and Pyroxenite Dike Residuum? - 60% dark khaki brown silt and clay with common dark brown mica/vermiculite flakes (≤2mm), possibly pyroxenite residuum or granodiorite gneiss residuum (non-magnetic) - 40% typical granite/granodiorite gneiss residuum as one large patch, possibly a xenolith in pyroxenite dike residuum or in more mafic gneiss residuum	
			149.3-151.7	- minor tan and dark brown clay and silt found locally - possibly some pyroxenite residuum material mixed in with gneiss residuum - jumbled core	

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Number of Boxes 32

From	To	Length	Lithological Code	Description	% Recovery
151.7 m	172.8 m	21.1 m	720	<p>PYROXENITE RESIDUUM AND MINOR LOCAL WEATHERED PYROXENITE PIECES</p> <ul style="list-style-type: none"> -a mixture of colours that changes gradually throughout unit (as listed) in bands, sections, and patches -5% strongly weathered pyroxenite pieces (≤ 10cm) that are gradational to residuum found at 158.8-166.5m -1% coarse grained, pink, cream, and dark grey granite/granodiotite gneiss residuum xenoliths found locally throughout, surrounding pyroxenite tends to be less weathered -locally rich in orange brown and tan silt, possibly carbonatite composition rich portions -locally banding observed at 50-70° to CA -locally moderately and strongly magnetic but mostly non-magnetic -unformed to well formed core, mainly poorly and moderately formed -lower contact sharp at 55° to CA 151.7-152.0 - dark brown and medium khaki tan silt and blocky pieces (≤ 2cm) of weathered pyroxenite (locally weakly magnetic) <ul style="list-style-type: none"> - possibly gneiss residuum or a mix of both (jumbled core) - unformed core 152.0-152.4 - khaki green and medium and light khaki brown clay and silt with minor yellow cream silt and clay patches <ul style="list-style-type: none"> - weakly banded at 60° to CA with a joint or fault cutting banding at 45° to CA - possibly chilled contact of pyroxenite - poorly to moderately formed core 152.4-157.0 - a mixture of dark green blue grey, tan to green tan, and orange brown silt and minor clay <ul style="list-style-type: none"> - minor dark grey and brown and light silver brown mica/vermiculite (≤ 2.5cm but mainly < 0.5cm) found especially in orange brown silt and clay 157.0-166.5 - a mixture of dark green blue grey, dark grey, tan green, medium green, and minor orange brown and dark brown, and rare purple silt and clay <ul style="list-style-type: none"> - minor mica/vermiculite except common silver to light brown coarse grained flakes from 158.0-160.0m 161.1-161.3 - granite/granodiorite gneiss xenolith residuum at approximately 50° to CA 	88 %

Agrium

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End Date 1/22/2005

Elevation 239.9

Proposed Depth

Actual Depth 174.5

Number of Boxes 32

From	To	Length	Lithological Code	Description	% Recovery
				162.5-163.1 - minor tan and orange brown silt (carbonatite composition residuum?)	
				166.5-172.1 - similar to 152.4-157.0m but dark green blue grey to dark grey dominates	
				169.8-170.0 - common orange brown and tan silt, possible carbonatite composition content	
				171.4-171.8 - common orange brown and tan silt, possible carbonatite composition content	
				172.1-172.8 - dark green, dark purple, and dark grey with minor cream clay and silt locally in thin bands (≤0.5cm) to shearing at 60° to CA	
				- strongly magnetic	
				- common dark green mica (≤1cm) altering to clay	
				- locally some of the cream material appears to be quartz grains	
172.8 m	174.5 m	1.7 m	720	SILICIFIED BROWN AND ORANGE CEMENTED SILT AND COMMON TAN BROWN SILT (CARBONATITE RESIDUUM)	68 %
				-dark grey brown and sections of tan grey brown, fine to medium grained, speckled with dark grey grains (<1mm) solid core pieces with 20% irregular orange bands at 10-40° to CA and 5% medium grey green fragments with minor tan mica (≤3mm) also aligned with orange bands	
				-pieces are strongly silicified throughout except for the grey green fragments which are soft	
				-locally weakly magnetic	
				-15% tan to tan brown silt with minor light green mica flakes (≤3mm) and 5% (of the 15%) dark grey and dark brown grey magnetite silt in patches (≤2cm)	
				-silt is in isolated section and also with silicified pieces and bands	
				-probably cemented silt from carbonatite residuum and possibly with minor cemented pyroxenite residuum	
				-well formed pieces (≤22cm) and poorly and unformed core	
				173.9-174.1 - silt section without silicified pieces	

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Number of Boxes 32

From	To	Length	Lithological Code	Description	% Recovery
174.5				END OF HOLE	%

Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
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North 5461500.1

East 366818.5

Elevation 239.9

Proposed Depth

Actual Depth 174.5

Number of Boxes 0

Start Date 1/13/2005

End Date 1/22/2005

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162516	18.50	20.00	1.50	0.93	5.90	2.50	14.13	52.84	3.42	0.50	0.554	Granite/Granodiorite Gneiss Residuum
A162517	20.00	21.50	1.50	0.63	5.09	2.55	14.14	55.66	3.15	0.46	1.22	Granite/Granodiorite Gneiss Residuum
A162518	21.50	23.00	1.50	0.55	5.85	2.30	14.99	54.26	3.27	0.51	0.112	Granite/Granodiorite Gneiss Residuum
A162519	23.00	24.50	1.50	0.30	4.92	1.83	14.93	57.69	2.46	0.45	0.19	Granite/Granodiorite Gneiss Residuum
A162520	24.50	26.00	1.50	0.67	9.12	2.77	15.36	46.02	4.06	0.80	0.175	Granite/Granodiorite Gneiss Residuum
A162521	26.00	27.50	1.50	0.49	6.22	2.09	15.78	51.29	3.49	0.53	0.158	Granite/Granodiorite Gneiss Residuum
A162522	27.50	29.00	1.50	0.50	5.57	2.19	14.66	56.41	3.49	0.48	0.07	Granite/Granodiorite Gneiss Residuum
A162523	29.00	30.50	1.50	0.55	8.92	2.89	14.10	51.98	2.95	0.73	0.183	Granite/Granodiorite Gneiss Residuum
A162524	30.50	32.00	1.50	0.35	6.05	1.63	14.48	58.96	2.71	0.53	0.187	Granite/Granodiorite Gneiss Residuum
A162525	32.00	33.50	1.50	0.45	7.86	1.92	13.84	56.30	2.85	0.69	0.396	Granite/Granodiorite Gneiss Residuum
A162526	33.50	35.00	1.50	0.34	8.53	2.34	13.73	55.81	1.90	0.70	0.206	Granite/Granodiorite Gneiss Residuum
A162527	35.00	35.30	0.30	0.24	7.48	2.86	13.68	55.66	1.78	0.65	0.307	Tan and Brown Silt (Dike?)
A162528	35.30	36.50	1.20	0.26	10.24	2.84	14.41	50.32	2.10	0.84	0.329	Granite/Granodiorite Gneiss Residuum
A162529	36.50	38.00	1.50	0.61	5.20	1.51	14.78	59.47	2.02	0.83	0.421	Granite/Granodiorite Gneiss Residuum
A162530	38.00	39.50	1.50	0.20	3.64	1.05	14.34	65.07	1.76	0.45	0.204	Granite/Granodiorite Gneiss Residuum
A162531	39.50	41.00	1.50	0.06	5.59	1.65	14.86	59.49	2.64	0.53	0.175	Granite/Granodiorite Gneiss Residuum
A162532	41.00	42.50	1.50	0.04	3.99	1.48	14.94	62.91	2.52	0.43	0.124	Granite/Granodiorite Gneiss Residuum
A162533	42.50	44.00	1.50	0.12	4.49	1.40	15.40	61.59	2.58	0.53	0.321	Granite/Granodiorite Gneiss Residuum
A162534	44.00	45.50	1.50	0.06	5.87	1.95	16.52	55.50	3.02	0.68	1.32	Granite/Granodiorite Gneiss Residuum
A162535	45.50	47.00	1.50	0.20	7.67	2.27	15.03	53.68	3.53	0.73	0.184	Granite/Granodiorite Gneiss Residuum
A162536	47.00	48.50	1.50	0.04	3.49	1.07	14.76	65.85	2.92	0.30	0.143	Granite/Granodiorite Gneiss Residuum
A162537	48.50	50.00	1.50	0.12	6.96	1.91	15.74	54.73	3.21	0.51	0.175	Granite/Granodiorite Gneiss Residuum

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East 366818.5

End Date 1/22/2005

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Actual Depth 174.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162538	50.00	51.50	1.50	0.10	5.04	2.28	14.32	61.93	1.84	0.42	0.139	Granite/Granodiorite Gneiss Residuum
A162539	51.50	53.00	1.50	0.14	6.65	2.33	14.20	57.89	3.00	0.64	0.2	Granite/Granodiorite Gneiss Residuum
A162540	53.00	54.50	1.50	0.15	8.63	2.62	14.29	52.90	2.88	0.76	7.27	Granite/Granodiorite Gneiss Residuum
A162541	54.50	55.50	1.00	0.26	12.91	3.87	11.93	46.25	3.49	1.63	2.66	Weathered Ultramafic Dike (Pyroxenite) Pieces and Granite/Granodiorite Gneiss Residuum
A162542	55.50	56.00	0.50	0.17	9.78	3.19	13.29	52.07	2.80	1.05	1.15	Granite/Granodiorite Gneiss Residuum
A162543	56.00	57.50	1.50	0.08	8.21	2.51	14.25	53.62	3.09	0.73	0.327	Granite/Granodiorite Gneiss Residuum
A162544	57.50	59.00	1.50	0.01	4.19	1.46	14.20	65.16	1.88	0.34	0.226	Granite/Granodiorite Gneiss Residuum
A162545	59.00	59.20	0.20	0.08	4.13	1.27	14.47	64.28	2.46	0.37	0.306	Granite/Granodiorite Gneiss Residuum
A162546	59.20	59.75	0.55	0.36	15.71	4.33	11.25	43.65	3.53	2.32	0.44	Ultramafic Dike (Pyroxenite) Residuum and Minor Gneiss Residuum
A162547	59.75	60.40	0.65	0.42	19.90	3.86	10.20	39.69	3.75	2.81	0.925	Ultramafic Dike (Pyroxenite) Residuum and Minor Gneiss Residuum
A162548	60.40	62.00	1.60	0.28	8.27	2.19	13.88	55.00	2.37	0.58	0.434	Granite/Granodiorite Gneiss Residuum
A162549	62.00	63.50	1.50	0.08	2.68	0.93	14.94	65.34	2.16	0.22	0.136	Granite/Granodiorite Gneiss Residuum
A162550	63.50	65.00	1.50	0.08	3.96	1.35	15.46	62.70	2.54	0.37	0.19	Granite/Granodiorite Gneiss Residuum
A162551	65.00	65.75	0.75	-0.08	1.87	0.52	15.36	68.35	1.90	0.18	0.08	Granite/Granodiorite Gneiss Residuum
A162552	65.75	66.50	0.75	-0.08	1.70	0.53	15.87	67.45	2.41	0.18	0.079	Granite/Granodiorite Gneiss Residuum
A162553	66.50	68.00	1.50	0.06	5.47	1.40	15.41	60.12	2.30	0.50	0.348	Granite/Granodiorite Gneiss Residuum
A162554	68.00	69.50	1.50	-0.07	11.57	2.96	12.12	51.04	1.99	0.67	0.289	Granite/Granodiorite Gneiss Residuum
A162555	69.50	70.25	0.75	0.11	10.34	2.22	14.33	50.52	1.91	0.68	0.311	Granite/Granodiorite Gneiss Residuum
A162556	70.25	71.00	0.75	0.07	8.06	2.12	15.30	53.11	2.68	0.70	0.212	Granite/Granodiorite Gneiss Residuum
A162558	72.30	73.25	0.95	0.25	17.60	3.06	11.89	43.97	2.87	2.39	2.23	Ultramafic Dike (Pyroxenite) Residuum
A162559	73.25	74.20	0.95	0.26	17.54	3.18	12.13	44.08	2.89	2.57	2.38	Ultramafic Dike (Pyroxenite) Residuum
A162560	74.20	74.75	0.55	-0.01	4.77	1.34	14.53	62.91	2.18	0.46	0.375	Granite/Granodiorite Gneiss Residuum

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North 5461500.1

East 366818.5

Elevation 239.9

Proposed Depth

Actual Depth 174.5

Number of Boxes 0

Start Date 1/13/2005

End Date 1/22/2005

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162561	74.75	75.50	0.75	0.00	6.63	1.94	14.67	56.27	2.31	0.64	0.258	Granite/Granodiorite Gneiss Residuum
A162562	75.50	76.25	0.75	0.02	8.10	2.10	14.69	54.06	3.18	0.68	0.242	Granite/Granodiorite Gneiss Residuum
A162563	76.25	77.00	0.75	-0.03	6.23	1.53	14.56	59.00	3.06	0.52	0.258	Granite/Granodiorite Gneiss Residuum
A162564	77.00	77.30	0.30	-0.01	5.47	1.14	14.87	60.52	2.82	0.53	0.366	Granite/Granodiorite Gneiss Residuum
A162565	77.30	78.20	0.90	0.28	15.94	3.53	10.80	44.25	3.60	2.37	1.63	Ultramafic Dike (Pyroxenite) Residuum
A162566	78.20	79.25	1.05	0.02	5.18	1.25	15.14	61.51	2.17	0.49	0.391	Granite/Granodiorite Gneiss Residuum
A162567	79.25	80.00	0.75	0.05	4.44	1.18	14.92	63.34	2.30	0.48	0.342	Granite/Granodiorite Gneiss Residuum
A162568	80.00	80.75	0.75	0.00	4.38	1.12	15.29	63.97	2.24	0.46	0.542	Granite/Granodiorite Gneiss Residuum
A162569	80.75	81.50	0.75	-0.01	4.45	1.18	14.72	63.81	2.01	0.44	0.799	Granite/Granodiorite Gneiss Residuum
A162570	81.50	83.00	1.50	0.13	6.83	2.28	14.56	55.63	2.06	0.71	0.368	Granite/Granodiorite Gneiss Residuum
A162571	83.00	84.50	1.50	0.23	8.87	2.32	13.75	52.47	2.42	0.59	0.202	Granite/Granodiorite Gneiss Residuum
A162572	84.50	86.00	1.50	0.44	6.93	2.59	15.17	52.94	2.85	0.86	0.18	Granite/Granodiorite Gneiss Residuum
A162573	86.00	86.75	0.75	0.32	6.77	2.55	15.58	53.13	2.67	0.68	0.158	Granite/Granodiorite Gneiss Residuum
A162574	86.75	87.50	0.75	0.26	6.60	2.46	15.12	53.63	3.57	0.61	0.141	Granite/Granodiorite Gneiss Residuum
A162575	87.50	88.25	0.75	0.28	5.64	2.52	15.24	55.29	2.60	0.52	0.132	Granite/Granodiorite Gneiss Residuum
A162576	88.25	89.00	0.75	0.16	4.66	1.87	16.37	56.02	3.30	0.39	0.091	Granite/Granodiorite Gneiss Residuum
A162577	89.00	90.50	1.50	0.02	3.05	1.15	14.14	65.81	1.91	0.27	0.099	Granite/Granodiorite Gneiss Residuum
A162578	90.50	91.50	1.00	0.27	8.08	3.54	14.11	51.40	2.16	0.64	0.139	Granite/Granodiorite Gneiss Residuum
A162579	91.50	92.00	0.50	0.22	5.70	1.56	13.82	59.27	2.03	0.60	0.368	Weathered Pyroxenite Dike Pieces and Pyroxenite/Carbonatite Residuum with Minor Gneiss Residuum
A162580	92.00	93.50	1.50	0.58	10.52	2.22	14.95	47.79	3.05	1.38	3.09	Weathered Pyroxenite Dike Pieces and Pyroxenite/Carbonatite Residuum
A162581	93.50	94.25	0.75	0.26	7.30	2.42	15.32	51.39	3.34	0.70	0.277	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162582	94.25	95.00	0.75	0.19	4.21	1.73	15.53	58.87	3.32	0.51	0.165	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces

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North 5461500.1

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Proposed Depth

Actual Depth 174.5

Number of Boxes 0

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End Date 1/22/2005

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162583	95.00	95.75	0.75	0.15	6.39	2.92	15.29	52.57	3.61	0.45	0.113	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162584	95.75	96.30	0.55	0.23	6.23	3.62	14.73	52.32	3.36	0.44	0.138	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162585	96.30	96.50	0.20	0.17	10.64	13.83	10.21	38.88	1.43	0.83	0.676	Pyroxenite Dike Residuum
A162586	96.50	97.25	0.75	0.10	4.11	2.12	15.31	58.58	3.69	0.38	0.082	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162587	97.25	98.00	0.75	0.13	5.87	5.08	13.28	52.71	4.57	0.45	0.125	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162588	98.00	98.75	0.75	0.39	7.72	4.94	13.49	48.67	4.61	0.57	0.139	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162589	98.75	99.50	0.75	0.12	9.11	7.99	11.24	47.18	2.95	0.55	0.223	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162590	99.50	100.25	0.75	0.09	9.42	10.11	9.53	45.42	4.11	0.41	0.171	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162591	100.25	101.00	0.75	0.05	9.54	10.74	9.39	41.58	4.58	0.42	0.084	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162592	101.00	101.60	0.60	0.13	6.24	3.69	13.31	54.35	2.59	0.49	0.356	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162593	101.60	101.80	0.20	0.24	12.43	6.25	10.59	41.75	5.63	1.83	0.92	Weathered Pyroxenite Dike Pieces
A162594	101.80	102.50	0.70	0.13	8.13	3.49	12.97	48.85	3.23	0.56	0.189	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162595	102.50	104.00	1.50	0.11	5.18	2.91	13.86	57.24	1.90	0.46	0.069	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162596	104.00	105.50	1.50	0.24	4.76	2.51	14.56	58.91	1.81	0.46	0.081	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162597	105.50	106.25	0.75	0.16	6.64	3.30	13.57	54.85	2.64	0.59	0.162	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162598	106.25	107.00	0.75	0.17	5.60	2.15	14.86	56.46	3.02	0.53	0.161	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162599	107.00	107.75	0.75	0.19	5.69	2.95	14.34	54.81	3.96	0.55	0.169	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162600	107.75	108.50	0.75	0.52	9.91	6.32	12.33	45.26	3.36	0.84	0.15	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces and Dike Residuum?
A162601	108.50	110.00	1.50	0.04	3.47	1.64	15.03	61.74	1.39	0.36	0.099	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162602	110.00	110.75	0.75	0.12	5.99	3.24	14.34	54.93	1.69	0.54	0.132	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162603	110.75	111.50	0.75	0.09	4.92	2.07	14.90	60.40	1.38	0.50	0.15	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162604	111.50	112.25	0.75	0.17	7.40	2.47	14.16	55.19	2.17	0.72	0.701	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces

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End Date 1/22/2005

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162605	112.25	113.00	0.75	0.14	5.27	2.48	14.51	57.10	2.35	0.45	0.1	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162606	113.00	114.50	1.50	0.08	4.61	1.89	14.67	60.55	2.24	0.44	0.235	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162607	114.50	116.00	1.50	0.02	3.31	1.22	15.35	63.66	1.68	0.28	0.11	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162608	116.00	116.75	0.75	0.10	6.92	2.40	13.90	57.86	1.67	0.59	0.244	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162609	116.75	117.50	0.75	0.13	5.93	1.80	14.48	61.02	1.41	0.60	0.373	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162610	117.50	118.25	0.75	0.34	7.15	2.23	15.04	55.32	1.93	0.71	0.582	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162611	118.25	119.00	0.75	0.12	4.56	1.37	15.24	62.82	1.02	0.51	0.119	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162612	119.00	119.75	0.75	0.05	3.65	1.39	15.80	63.99	1.51	0.39	0.072	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162613	119.75	120.50	0.75	-0.02	4.46	1.71	15.97	61.14	2.37	0.35	0.073	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162614	120.50	122.00	1.50	0.14	6.62	2.41	15.07	55.19	2.46	0.48	0.111	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162615	122.00	123.50	1.50	-0.03	4.87	1.69	16.59	58.08	2.26	0.28	0.075	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162616	123.50	124.25	0.75	0.02	5.45	2.04	14.31	60.57	2.21	0.44	0.101	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162617	124.25	125.00	0.75	-0.02	5.35	1.96	14.54	57.60	3.55	0.47	0.158	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162618	125.00	125.75	0.75	-0.01	5.69	2.24	14.57	59.75	2.00	0.45	0.143	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162619	125.75	126.50	0.75	-0.03	3.88	1.53	15.05	63.66	1.70	0.36	0.103	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162620	126.50	127.25	0.75	-0.03	4.54	2.33	14.43	60.08	2.91	0.40	0.077	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162621	127.25	128.00	0.75	-0.01	7.47	2.69	14.45	55.37	1.56	0.74	0.294	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162622	128.00	129.50	1.50	-0.06	3.66	0.77	12.38	70.27	1.57	0.26	0.104	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162623	129.50	131.00	1.50	0.02	5.90	2.26	13.84	59.12	1.82	0.52	0.129	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162624	131.00	132.50	1.50	0.02	6.75	2.51	14.33	58.06	1.64	0.55	0.215	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162625	132.50	133.25	0.75	0.05	6.83	2.86	14.43	56.85	1.81	0.61	0.11	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162626	133.25	134.00	0.75	0.03	6.20	2.89	14.31	57.53	1.80	0.56	0.1	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-05-249

North 5461500.1

Start Date 1/13/2005

East 366818.5

End Date 1/22/2005

Elevation 239.9

Proposed Depth

Actual Depth 174.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162627	134.00	134.75	0.75	0.10	6.54	2.57	14.71	56.67	1.94	0.63	0.109	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162628	134.75	135.50	0.75	-0.05	4.19	1.43	14.91	63.57	1.54	0.35	0.12	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162629	135.50	137.00	1.50	0.00	5.28	2.43	14.50	60.06	1.82	0.47	0.09	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162630	137.00	138.50	1.50	0.15	7.30	2.57	13.94	53.90	2.26	0.57	0.12	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162631	138.50	140.00	1.50	0.48	7.47	2.47	13.37	53.85	2.36	0.73	0.938	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162632	140.00	140.60	0.60	0.43	13.84	3.11	13.08	45.92	2.56	2.09	6.83	Weathered Pyroxenite Dike
A162633	140.60	141.50	0.90	0.34	4.89	1.91	14.44	58.37	2.26	0.64	0.53	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162634	141.50	143.00	1.50	0.13	6.22	2.28	13.20	59.08	1.95	0.66	2.69	Granite/Granodiorite Gneiss Residuum, Weathered Gneiss Pieces, Minor Weathered Pyroxenite Dike
A162635	143.00	144.50	1.50	0.11	2.47	0.73	11.84	70.92	0.92	0.21	0.715	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces (Granitic Pegmatitic Phase)
A162636	144.50	145.25	0.75	0.20	8.36	2.26	13.18	52.96	3.61	0.75	0.375	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces, Minor Weathered Dike
A162637	145.25	146.00	0.75	0.10	7.97	2.25	13.60	54.70	2.75	0.74	0.328	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162638	146.00	147.20	1.20	0.10	6.09	1.77	13.24	60.15	1.97	0.64	0.449	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162639	147.20	147.50	0.30	0.43	9.57	4.79	12.85	48.31	2.64	1.35	2.84	Weathered Pyroxenite Dike
A162640	147.50	148.10	0.60	0.12	4.70	1.81	13.40	62.24	1.77	0.65	0.438	Granite/Granodiorite Gneiss Residuum
A162641	148.10	148.80	0.70	0.01	10.21	10.32	11.36	43.32	1.74	0.78	0.153	Pyroxenite Dike Residuum
A162642	148.80	149.00	0.20	0.05	6.45	3.85	11.75	59.11	1.13	0.48	0.168	Granite/Granodiorite Gneiss Residuum
A162643	149.00	149.30	0.30	0.08	8.23	6.39	11.70	51.05	1.47	0.56	0.18	Granite/Granodiorite Gneiss Residuum and Pyroxenite Dike Residuum?
A162644	149.30	149.75	0.45	0.13	4.40	2.25	13.32	60.86	1.49	0.37	0.183	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162645	149.75	150.50	0.75	-0.01	7.68	3.11	12.92	52.85	2.84	0.54	0.213	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162646	150.50	151.70	1.20	-0.04	8.18	2.70	13.40	54.16	2.12	0.57	0.3	Granite/Granodiorite Gneiss Residuum and Weathered Gneiss Pieces
A162647	151.70	152.00	0.30	0.23	6.69	2.66	12.37	58.10	1.21	0.37	0.16	Pyroxenite Residuum and Weathered Pyroxenite Pieces and Gneiss Residuum
A162648	152.00	152.40	0.40	1.21	16.73	5.77	8.47	44.92	3.76	1.35	0.248	Khaki Green and Brown Clay and Silt (Pyroxenite Residuum)

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Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-05-249

North 5461500.1

Start Date 1/13/2005

East 366818.5

End Date 1/22/2005

Elevation 239.9

Proposed Depth

Actual Depth 174.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162649	152.40	152.75	0.35	1.56	17.40	6.02	7.05	42.55	4.63	2.78	0.349	Pyroxenite Residuum
A162650	152.75	153.50	0.75	4.49	17.89	5.33	6.32	35.59	9.09	2.88	0.384	Pyroxenite Residuum
A162651	153.50	155.00	1.50	4.94	17.90	4.87	5.12	33.77	10.40	4.00	0.429	Pyroxenite Residuum
A162652	155.00	155.75	0.75	6.11	17.52	5.33	5.55	33.62	11.03	3.54	0.769	Pyroxenite Residuum
A162653	155.75	156.50	0.75	4.51	17.00	5.83	5.53	35.94	9.19	3.42	0.453	Pyroxenite Residuum
A162654	156.50	157.25	0.75	4.85	20.44	5.06	5.48	32.02	9.63	3.10	0.41	Pyroxenite Residuum
A162655	157.25	158.00	0.75	3.59	18.46	6.47	6.69	33.95	7.79	4.40	0.439	Pyroxenite Residuum
A162656	158.00	158.75	0.75	1.52	19.49	6.85	7.93	34.84	5.19	4.06	0.454	Pyroxenite Residuum
A162657	158.75	159.50	0.75	7.65	18.56	6.16	4.42	29.50	12.65	3.35	1.24	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162658	159.50	160.25	0.75	0.60	18.27	7.30	8.25	37.03	4.62	3.62	0.654	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162659	160.25	161.00	0.75	4.08	17.97	7.16	5.42	34.71	8.39	3.23	0.83	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162660	161.00	161.75	0.75	4.97	17.03	7.32	4.50	33.57	9.05	3.58	0.506	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162661	161.75	162.50	0.75	1.55	21.68	7.28	5.03	35.95	5.32	4.70	2.56	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162662	162.50	163.25	0.75	2.33	19.61	6.87	5.89	38.09	5.50	3.73	1.51	Pyroxenite/Carbonatite Residuum and Common Weathered Pyroxenite Pieces
A162663	163.25	164.00	0.75	1.96	23.56	6.51	5.04	36.28	5.71	4.73	5.73	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162664	164.00	164.75	0.75	4.68	19.33	7.72	5.02	31.48	8.79	3.21	1.98	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162665	164.75	165.50	0.75	3.43	22.93	7.10	4.56	32.41	7.63	4.41	8.93	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162666	165.50	166.25	0.75	0.09	22.23	6.60	7.05	38.10	4.52	4.25	8.49	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162667	166.25	167.00	0.75	2.68	21.87	7.35	5.09	34.02	6.71	6.09	7.8	Pyroxenite Residuum and Common Weathered Pyroxenite Pieces
A162668	167.00	167.75	0.75	2.02	20.11	7.66	6.68	34.98	4.78	3.38	0.423	Pyroxenite Residuum
A162669	167.75	168.50	0.75	5.27	18.67	7.53	5.05	31.94	8.77	2.91	1.18	Pyroxenite Residuum
A162670	168.50	169.25	0.75	7.18	19.91	6.00	5.76	28.92	11.20	2.95	0.78	Pyroxenite Residuum

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Drill Hole ID
AGR-05-249

North 5461500.1

East 366818.5

Elevation 239.9

Proposed Depth

Actual Depth 174.5

Number of Boxes 0

Start Date 1/13/2005

End Date 1/22/2005

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162671	169.25	170.00	0.75	7.04	20.35	5.73	4.72	29.88	11.52	3.14	2.58	Pyroxenite Residuum and Minor Carbonatite Residuum
A162672	170.00	170.75	0.75	5.32	19.14	6.56	4.17	34.85	9.09	3.41	0.901	Pyroxenite Residuum
A162673	170.75	171.50	0.75	6.87	18.36	6.60	4.09	32.01	11.40	3.35	1.51	Pyroxenite Residuum and Minor Carbonatite Residuum
A162674	171.50	172.10	0.60	4.48	19.88	5.89	4.39	38.08	7.67	3.95	1.71	Pyroxenite Residuum and Minor Carbonatite Residuum
A162675	172.10	172.80	0.70	7.81	31.21	5.89	2.07	29.72	11.04	3.18	90	Pyroxenite Residuum
A162676	172.80	173.00	0.20	6.46	10.21	3.21	0.59	60.54	9.18	0.60	20.3	Silicified Cemented Silt and Common Tan Brown Silt (Carbonatite Residuum)
A162677	173.00	173.90	0.90	8.15	7.36	2.40	0.72	59.76	10.90	0.43	9.06	Silicified Cemented Silt and Common Tan Brown Silt (Carbonatite Residuum)
A162678	173.90	174.10	0.20	24.91	13.20	2.31	1.01	17.30	33.25	1.19	35	Tan Brown Silt (Carbonatite Residuum)
A162679	174.10	174.50	0.40	2.87	2.45	0.86	0.33	83.49	4.18	0.09	0.488	Silicified Cemented Silt and Common Tan Brown Silt (Carbonatite Residuum)

**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461350.06
 Easting: 366748.38
 Elevation: 240.66
 Depth: 141.5
 Azimuth: 90
 Dip: -79

Drillhole Attitude Tests: No

Township: Cargill
 Claim number: P413077/104395/CLM300
 Drilling Contractor: Norex Drilling
 Drilling Start Date: 1/23/2005
 Drilling End Date: 1/26/2005
 Core Size: HQ
 Casing: No
 Hole Cemented: No
 Why drillhole terminated: Tube stuck in bottom of drillhole
 Logged by: M. Stalker
 Date Logged: 2/6/2005
 Number of boxes: 33
 Number of assays: 156
 Number of ICP: 0
 Rejects/Pulps saved: Yes
 Core Stored: Agrium Minesite
 Pictures: Yes
 Geotechnical Log: Yes

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	5.0	Lost Core
5.0	9.2	Clay
9.2	15.5	Till
15.5	62.0	Gneiss Residuum
62.0	70.4	Weathered Pyroxenite/Carbonatite Residuum and Gneiss Residuum (Contact Zone)
70.4	87.6	Pyroxenite Residuum and Minor Carbonatite Residuum and Minor Gneiss Xenolith Residuum
87.6	102.6	Pyroxenite Residuum, Carbonatite Residuum, and Weathered Pyroxenite and Carbonatite
102.6	131.4	Weathered Pyroxenite and Pyroxenite Residuum
131.4	141.5	Carbonatite Residuum and Pyroxenite Residuum
		Silicified Silt/Weathered Carbonatite and Minor Silt
141.5		End of Hole

M. Stalker

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-250

North 5461350.06

East 366748.38

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 33

Start Date 1/23/2005

End Date 1/26/2005

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	5.0 m	5.0 m	799	LOST CORE	0 %
5.0 m	6.0 m	1.0 m	715	BROWN CLAY -medium brown clay, massive, slightly sticky -no varves observed -poorly formed core -poor recovery and contacts may be inaccurate -lower contact in lost core	10 %
6.0 m	8.0 m	2.0 m	714	BROWN VARVED CLAY -gradational from unit above, top of unit is medium brown and darkens downhole to dark brown to dark grey brown with irregular thin (<0.5cm) cream varves at 0-90° to CA found locally throughout but rare near top of unit -minor bands of dark brown grey sticky clay near lower contact at approximately 70° to CA -poorly formed core -lower contact in lost core	15 %
8.0 m	9.2 m	1.2 m	715	GREY CLAY -dark brown grey sticky clay (gumbo clay), massive -poorly formed core -poor recovery and contacts may be inaccurate -lower contact in lost core	21 %

Agrium

Kapuskasing Phosphate Operation

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North 5461350.06

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East 366748.38

End Date 1/26/2005

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 33

From	To	Length	Lithological Code	Description	% Recovery
9.2 m	11.7 m	2.5 m	717	BOULDER TILL -light and medium brown silty clay with 35% heterogenous subround to angular boulders (≤ 6 cm) but only 10% without largest boulder -common brown clay especially near upper contact -poorly and moderately formed core -poor recovery and contacts may be inaccurate -lower contact in lost core	16 %
11.7 m	12.5 m	0.8 m	714	BROWN VARVED CLAY -cream to light brown and dark grey brown clay in thin to thick (< 0.5 - 3 cm) varves at 55 - 90° to CA -thick and regular varves near top of unit but at 55° to CA -varves are thinner and broken into pieces near lower contact -poorly to moderately formed core -lower contact in lost core	19 %
12.5 m	15.5 m	3.0 m	717	BOULDER TILL -medium and locally dark grey brown and green grey brown silty clay with 15% heterogenous round to angular boulders (≤ 5 cm) -moderately to well formed core, slightly lithified locally -lower contact in lost core	83 %

Agrium

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North 5461350.06

East 366748.38

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 33

Start Date 1/23/2005

End Date 1/26/2005

From	To	Length	Lithological Code	Description	% Recovery
15.5 m	62.0 m	46.5 m	720	<p>GRANITE/GRANODIORITE GNEISS RESIDUUM</p> <p>-tan pink to brick pink to brick, light and medium tan green to khaki green, tan, and minor cream and dark grey silt, clay, sand, and strongly weathered remanent gneiss pieces</p> <p>-minor dark grey mica flakes ($\leq 3\text{mm}$) found in bands locally</p> <p>-crumbly, typical</p> <p>-locally banding observed at 30-65° to CA</p> <p>-rare cream clay bands at 35° to CA especially near upper contact</p> <p>-local pyroxenite dike residuum as listed but difficult to discern from dark sections of gneiss residuum and probably more common than listed</p> <p>-locally solid core sections gradational to strongly weathered gneiss</p> <p>-poorly and moderately formed and minor unformed and well formed core</p> <p>-lower contact in lost core</p> <p>17.0-17.6 - common dark brown or brown purple silt in bands at 60° to CA and in patches at 0° to CA</p> <p>- possibly pyroxenite dike residuum</p> <p>17.5-17.6 - dark brown purple, locally moderately magnetic patch of pyroxenite dike residuum at 0° to CA</p> <p>17.6-24.1 - minor dark brown and medium khaki green silt and clay found locally in bands and patches</p> <p>- possibly pyroxenite dike residuum but most likely gneiss residuum</p> <p>@21.9 - dark brown silt and clay, probably pyroxenite dike residuum</p> <p>@22.3 - dark brown silt and solid core pieces ($\leq 1\text{cm}$), probably pyroxenite dike residuum but possible contamination from elsewhere in box (23.7-24.1m?)</p> <p>23.7-24.1 - medium khaki brown solid core pieces ($\leq 4\text{cm}$) and medium khaki and dark brown silt</p> <p>- probably pyroxenite dike residuum</p> <p>@25.6 - two 1cm medium brown purple moderately magnetic bands of pyroxenite residuum at 70° to CA</p> <p>27.1-27.5 - medium brown and minor bright pistachio green, blocky, silt and clay</p> <p>- probably pyroxenite dike residuum but possibly carbonatite residuum</p>	59 %

Agrium

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East 366748.38

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 33

Start Date 1/23/2005

End Date 1/26/2005

From	To	Length	Lithological Code	Description	% Recovery
				- jumbled core and mixed with gneiss residuum	
			33.8-34.5	- Weathered Pyroxenite Dike/Pyroxenite Dike Residuum	
				- medium to dark brown purple silt and clay mainly in and gradational to solid core pieces (≤14cm)	
				- strongly magnetic, blocky	
				- jumbled core and with gneiss residuum (contamination or xenoliths) from 33.8-33.9m	
				- minor gneiss contamination throughout	
				- contact in lost core	
			35.0-36.5	- slightly hardened gneiss residuum gradational to strongly weathered gneiss	
			@38.0	- common dark brown blocky silt	
			45.5-46.4	- slightly hardened gneiss residuum gradational to strongly weathered gneiss	
			47.0-51.5	- common bands and patches of medium khaki brown and dark green brown silt and clay that is probably mafic portions of gneiss but is possibly pyroxenite residuum	
			54.5-56.5	- minor bands and patches of medium and dark khaki brown silt and clay that is probably mafic portion of gneiss but is possibly pyroxenite residuum	
			55.7-56.0	- mainly medium khaki brown silt and clay with pink and cream patches	
				- probably gneiss residuum but possibly dike residuum	
			56.5-62.0	- tan to medium khaki brown patches and bands at 0° to CA found locally including those listed	
				- increasing towards lower contact	
				- looks similar to mafic section of gneiss but locally appears to crosscut gneissosity, therefore, probably pyroxenite dike residuum	
			56.5-56.8	- >4cm band of tan to khaki brown silt and clay at 0° to CA	
			@57.1	- patch of khaki brown silt and clay	
			57.8-58.1	- >5cm band of tan and khaki brown and minor bright green silt and clay at 0° to CA	
			60.0-60.6	- abundant tan and khaki brown silt and clay in bands at 50-60° to CA	
			61.4-61.5	- abundant tan and khaki brown silt and clay	
			61.7-61.8	- abundant tan and khaki brown silt and clay	

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Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-250

North 5461350.06

Start Date 1/23/2005

East 366748.38

End Date 1/26/2005

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 33

From	To	Length	Lithological Code	Description	% Recovery
62.0 m	70.4 m	8.4 m	720	WEATHERED PYROXENITE/CARBONATITE RESIDUUM AND GRANITE/GRANODIORITE GNEISS RESIDUUM (CONTACT ZONE) -unit is a mix of compositions and colours and solid core pieces and silt and clay -upper half of unit is cream yellow tan to tan to green tan with minor orange brown filled fractures, and medium grey patches; with 30% recognizable gneiss residuum patches and bands (xenoliths) that are pink, dark grey, cream, and green and look shattered; and rest is fine grained, blocky, fairly hard and appears to be pyroxenite residuum or possibly carbonatite residuum that may be lighter than typical due to alteration from chilled contact or possibly gneiss that has been altered due to intrusion of pyroxenite -lower half becomes gradually darker downhole to fine grained green blue grey by lower contact and is typical weathered pyroxenite grading to pyroxenite residuum, with fewer gneiss xenoliths but still common -banding 20-45° to CA -rarely moderately magnetic -most of unit is strongly fractured to shattered and locally looks sheared, commonly crumbled and jumbled looking especially in upper half -minor bright yellow green patches locally -unformed to well formed pieces (<27cm) -lower contact sharp at 30° to CA at lower edge of gneiss xenolith	67 %

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Number of Boxes 33

From	To	Length	Lithological Code	Description	% Recovery
70.4 m	87.6 m	17.2 m	720	<p>WEATHERED PYROXENITE PIECES AND PYROXENITE RESIDUUM AND MINOR GNEISS XENOLITHS AND MINOR CARBONATITE RESIDUUM</p> <p>-overall about 70% moderately to strongly weathered pyroxenite grading to pyroxenite residuum (30%) but varies over unit</p> <p>-weathered pyroxenite is dark green blue grey to dark grey with common medium orange brown (especially in and near fractures) and minor tan green and light grey, fine to medium grained, moderately fractured with common faulting</p> <p>-pyroxenite residuum is medium orange brown, cream, and tan silt and clay</p> <p>-3% granite/granodiorite gneiss xenoliths found as sections and patches in the weathered pyroxenite especially near to the upper contact but found in small patches and bands throughout unit (larger xenoliths listed below)</p> <p>-cream and tan sections and patches are probably of carbonatite composition</p> <p>-locally weakly to strongly magnetic but mostly non-magnetic</p> <p>-locally banded to sheared at 0-40° to CA</p> <p>-well formed pieces (≤30cm) and unformed to well formed core</p> <p>-lower contact in lost core</p> <p>@71.3 - fault at 55° to CA causing 1cm of displacement to band of gneiss within pyroxenite</p> <p>71.6-71.8 - weathered gneiss xenoliths at 0° to CA</p> <p>@72.3 - fault at 35° to CA causing 3cm of displacement to gneiss xenoliths</p> <p>72.3-72.6 - weathered gneiss xenolith at 35-55° to CA</p> <p>75.0-75.4 - common light grey bands in weathered pyroxenite pieces and locally looks like breccia with pyroxenite fragments in bands at 45-65° to CA</p> <p>- possibly carbonatite composition material</p> <p>77.0-78.3 - minor cream and light grey patches, probably patches of carbonatite composition</p> <p>80.0-83.0 - well banded to sheared section</p>	86 %

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Proposed Depth

Actual Depth 141.5

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From	To	Length	Lithological Code	Description	% Recovery
87.6 m	89.0 m	1.4 m	720	PYROXENITE/CARBONATITE RESIDUUM AND WEATHERED PYROXENITE/CARBONATITE PIECES -medium orange brown and rusty brown, dark brown, and minor dark green blue grey silt and clay and solid core pieces -minor coarse grained bronze mica flakes (≤ 1 cm) -locally roughly banded at 30-35° to CA -gradational between residuum and weathered pyroxenite/carbonatite -probably weathered pyroxenite similar to 70.4-87.6m but with increased carbonatite content -mainly moderately and well formed pieces (≤ 16 cm) and minor unformed core -lower contact in lost core	79 %
89.0 m	90.5 m	1.5 m	720	SILICIFIED/SILICA FLOODED PIECES (CARBONATITE/PYROXENITE RESIDUUM) -cream and tan cherty translucent pieces with common dark grey and dark brown mottles, patches, and bands -similar in colour and texture to unit above (87.6-89.0m) but silica flooded with >80% silica, almost a vein -well formed pieces ≤ 5 cm but mainly <3cm and locally ground core -lower contact in lost core	13 %

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Proposed Depth

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Number of Boxes 33

From	To	Length	Lithological Code	Description	% Recovery
90.5 m	102.6 m	12.1 m	720	<p>TAN AND BROWN SILT AND SILICIFIED SILT PIECES (CARBONATITE AND PYROXENITE RESIDUUM)</p> <ul style="list-style-type: none">-a mix of units as listed that are mainly gradational from one into another-banding commonly observed at 20-35° to CA-probably a carbonatite composition rich section within a large pyroxenite unit-silicification appears to preferentially affect carbonatite or carbonatite rich residuum-lower contact in lost core <p>90.5-91.9 - Tan and Brown Silt and Silicified Silt Pieces</p> <ul style="list-style-type: none">- cream to tan, medium brown, and khaki brown silt with minor medium blue grey silt patches and bands and rare magnetite silt patches- 35% moderately silicified silt pieces (≤16cm) of the same colour and texture as silt (possibly silicified weathered carbonatite)- probably carbonatite residuum with minor pyroxenite residuum- unformed and poorly formed core with well formed pieces <p>91.9-93.6 - Tan Brown Silt</p> <ul style="list-style-type: none">- similar to 90.5-91.9m but slightly darker and gradually darkening downhole, and without silicified pieces- probably carbonatite residuum with minor to common pyroxenite residuum- unformed and poorly formed core <p>93.6-94.7 - Green Tan and Brown Silt</p> <ul style="list-style-type: none">- similar and gradational to 91.9-93.6m but darker and greener, with only minor cream silt, tan silt replaced by green khaki tan silt, and with increase in magnetite silt to minor patches (≤1.5cm)- probably carbonatite and pyroxenite residuum- poorly formed and minor unformed core <p>94.7-97.9 - Tan Brown Silt and Silicified Silt Pieces</p> <ul style="list-style-type: none">- similar to 90.5-91.9m but slightly darker with more green khaki tan silt- 35% silicified silt pieces as in 90.5-91.9m but also a section at 97.3-97.5m of medium tan brown to	74 %

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From	To	Length	Lithological Code	Description	% Recovery
				orange brown, fine grained, strongly silicified pieces forming crystals in fractures	
				- carbonatite residuum with minor to rare pyroxenite residuum	
				- poorly and moderately formed core with well formed pieces (≤7cm)	
97.9-98.8				- Tan and Brown Silt and Green and Purple Silt	
				- 50% sections of brown and tan silt similar to 90.5-91.9m with local weakly silicified patches but no silicified pieces, carbonatite residuum	
				- 50% medium green and dark green to grey and dark brown purple silt, with abundant magnetite silt and grains (≤1cm) (strongly magnetic), pyroxenite residuum	
				- two types are restricted to sections at 35-60° to CA	
				- moderately formed and minor unformed core	
				- gradually increases in silica near lower contact	
98.8-101.0				- Silicified Silt Pieces	
				- similar to silt in 90.5-91.9m but silicified into pieces with cream colour dominating and with minor tan green and orange brown patches	
				- gradually becomes more silicified and strongest from 99.5-100.5m	
				- rare tan and brown silt towards lower contact	
				- carbonatite residuum with minor to rare pyroxenite residuum	
				- well formed pieces (≤14cm)	
101.0-102.6				- Brown, Blue Grey, and Minor Tan Silt	
				- similar to 91.9-93.6m but darker with medium and dark brown silt and medium blue grey silt dominant with common cream and tan silt especially in sections	
				- minor patches of magnetite silt	
				- probably pyroxenite residuum with minor carbonatite residuum	
				- unformed and minor poorly formed core	

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Proposed Depth

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Number of Boxes 33

From	To	Length	Lithological Code	Description	% Recovery
102.6 m	131.4 m	28.8 m	720	<p>WEATHERED PYROXENITE AND PYROXENITE RESIDUUM</p> <ul style="list-style-type: none">-overall about 50% moderately to strongly weathered pyroxenite grading to pyroxenite residuum (50%) but varies throughout unit-dark green blue grey to grey and brown grey with light to medium green and minor orange brown-light to medium green is in sections and patches with dark grey patches and mottles while dark grey sections are mainly without light to medium green, minor light to medium green below 124.0m-fine to coarse grained in sections throughout-colour and texture is the same for weathered pieces and for silt and clay residuum-locally minor lighter sections with light grey silt especially near upper and lower contact-mainly weakly to moderately magnetic but varies from non-magnetic to strongly magnetic-commonly banded at 40-50° to CA-common faulting at 30° to CA crosscutting banding-well formed pieces (≤21cm) and unformed to moderately formed core-lower contact in lost core <p>129.5-131.4 - common sections of tan brown and sections rich in cream silt</p> <ul style="list-style-type: none">- probably the introduction of more carbonatite material towards lower contact	84 %

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Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 33

From	To	Length	Lithological Code	Description	% Recovery
131.4 m	141.5 m	10.1 m	720	<p>SILICIFIED SILT/ WEATHERED CARBONATITE AND MINOR LOCAL GREEN, BROWN, AND GREY SILT (CARBONATITE RESIDUUM AND PYROXENITE RESIDUUM)</p> <ul style="list-style-type: none"> -cream and light grey translucent with minor orange brown and medium lime green solid core pieces -well banded at 35-60° to CA -common vugs (≤2cm) aligned with banding and locally filled with quartz crystals -3-5% coarse grained (≤1cm) magnetite mainly aligned with banding but some grains are disseminated -silicification increases downhole from moderately near upper contact to strongly by approximately 136.5m -orange brown and lime green are in bands or filling fractures crosscutting bands -probably silicified carbonatite residuum pieces but possibly silicified weathered carbonatite pieces -10% medium to dark khaki green, medium brown, dark green grey, and minor brown purple silt in sections and bands found especially near upper contact at 131.6-131.7m, 132.6-132.9m, 133.1-133.2m, 134.1-134.6m, 134.8-135.0m, 135.2-135.4m, 136.8-136.9m, 138.45-138.5m, and 141.2-141.3m -silt also contains 3-5% magnetite grains -silt appears to be of pyroxenite composition with minor carbonatite residuum -probably a carbonatite residuum unit with minor bands/sections of pyroxenite composition and silicification has preferentially effected the carbonatite residuum leaving pyroxenite and only minor carbonatite residuum -well formed pieces (≤28cm) and unformed and poorly formed core <p>136.9-137.1 - orange to orange brown and lime green, fine grained, strongly silicified pieces, colours in patches and rough bands</p>	84 %
141.5				<p>END OF HOLE</p> <p>NOTE: 26 (78m) HQ rods, core barrel, tube, and bit remain in drillhole.</p>	%

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End Date 1/26/2005

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162680	15.50	17.00	1.50	0.83	5.61	2.29	14.34	58.55	1.87	0.60	0.201	Granite/Granodiorite Gneiss Residuum
A162681	17.00	17.60	0.60	0.98	6.03	2.35	14.58	57.09	1.97	0.73	1.12	Granite/Granodiorite Gneiss Residuum and Common Pyroxenite Dike Residuum
A162682	17.60	18.50	0.90	0.09	5.10	2.15	14.92	61.02	0.84	0.59	0.206	Granite/Granodiorite Gneiss Residuum
A162683	18.50	19.25	0.75	0.27	4.85	2.01	14.61	60.19	1.27	0.67	0.299	Granite/Granodiorite Gneiss Residuum
A162684	19.25	20.00	0.75	0.37	7.17	2.50	14.55	57.10	1.36	0.82	0.244	Granite/Granodiorite Gneiss Residuum
A162685	20.00	21.50	1.50	0.15	3.61	1.71	15.38	64.11	1.03	0.59	0.216	Granite/Granodiorite Gneiss Residuum
A162686	21.50	22.25	0.75	0.03	6.05	2.52	15.00	60.69	0.85	0.58	0.224	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum
A162687	22.25	23.00	0.75	0.13	4.05	1.72	14.51	64.74	0.95	0.38	0.154	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum
A162688	23.00	24.50	1.50	0.10	5.73	1.86	14.05	61.04	1.14	0.78	0.328	Granite/Granodiorite Gneiss Residuum and Common Pyroxenite Dike Residuum
A162689	24.50	25.25	0.75	0.29	7.37	2.99	15.18	54.77	1.89	0.65	0.347	Granite/Granodiorite Gneiss Residuum
A162690	25.25	26.00	0.75	0.24	6.60	2.52	14.00	58.57	1.58	0.61	1.33	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum
A162691	26.00	27.10	1.10	0.04	7.09	2.72	13.81	57.52	1.59	0.59	0.269	Granite/Granodiorite Gneiss Residuum
A162692	27.10	27.50	0.40	0.24	15.79	3.52	11.25	46.94	1.84	1.81	1.56	Pyroxenite Dike Residuum and Common Gneiss Residuum
A162693	27.50	28.25	0.75	0.04	8.01	3.04	13.29	55.55	1.32	0.59	0.255	Granite/Granodiorite Gneiss Residuum
A162694	28.25	29.00	0.75	0.02	8.30	3.01	13.42	56.24	1.39	0.68	0.216	Granite/Granodiorite Gneiss Residuum
A162695	29.00	29.75	0.75	0.04	5.49	1.90	14.43	60.25	1.32	0.55	0.287	Granite/Granodiorite Gneiss Residuum
A162696	29.75	30.50	0.75	0.01	4.09	1.67	14.59	62.81	1.21	0.41	0.266	Granite/Granodiorite Gneiss Residuum
A162697	30.50	32.00	1.50	0.00	4.20	1.81	15.01	61.79	1.78	0.47	0.22	Granite/Granodiorite Gneiss Residuum
A162698	32.00	33.50	1.50	0.00	3.88	1.83	15.62	61.10	1.71	0.45	0.409	Granite/Granodiorite Gneiss Residuum
A162699	33.50	33.80	0.30	0.12	5.52	1.81	14.54	59.76	1.73	0.76	0.95	Granite/Granodiorite Gneiss Residuum
A162700	33.80	34.50	0.70	0.41	17.99	3.58	9.86	46.75	2.89	3.64	20	Weathered Pyroxenite Dike/ Pyroxenite Residuum
A162701	34.50	35.00	0.50	0.03	4.75	1.77	13.59	62.42	1.26	0.48	1.42	Granite/Granodiorite Gneiss Residuum

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Exploration Drilling

Drill Hole ID
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North 5461350.06

Start Date 1/23/2005

East 366748.38

End Date 1/26/2005

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162702	35.00	35.75	0.75	-0.01	5.88	2.29	14.62	59.00	1.67	0.59	0.788	Granite/Granodiorite Gneiss Residuum
A162703	35.75	36.50	0.75	-0.02	6.92	2.55	14.30	57.88	1.34	0.62	0.313	Granite/Granodiorite Gneiss Residuum
A162704	36.50	37.25	0.75	-0.01	8.22	3.28	13.66	55.21	1.43	0.63	1.47	Granite/Granodiorite Gneiss Residuum
A162705	37.25	38.00	0.75	0.01	5.75	2.63	14.29	59.42	1.40	0.47	0.875	Granite/Granodiorite Gneiss Residuum
A162706	38.00	39.50	1.50	-0.03	3.80	1.69	14.71	64.17	1.15	0.46	0.276	Granite/Granodiorite Gneiss Residuum
A162707	39.50	41.00	1.50	0.02	3.87	1.63	15.29	63.34	0.97	0.55	0.178	Granite/Granodiorite Gneiss Residuum
A162708	41.00	42.50	1.50	-0.04	2.91	1.21	14.75	65.75	1.75	0.33	0.241	Granite/Granodiorite Gneiss Residuum
A162709	42.50	44.00	1.50	-0.05	2.69	1.45	15.69	65.28	1.05	0.34	0.127	Granite/Granodiorite Gneiss Residuum
A162710	44.00	44.75	0.75	-0.03	3.13	1.51	14.84	65.06	1.10	0.36	0.096	Granite/Granodiorite Gneiss Residuum
A162711	44.75	45.50	0.75	-0.02	3.87	1.88	14.52	65.34	0.86	0.29	0.101	Granite/Granodiorite Gneiss Residuum
A162712	45.50	46.25	0.75	-0.05	3.32	1.65	16.13	64.00	1.50	0.26	0.167	Granite/Granodiorite Gneiss Residuum
A162713	46.25	47.00	0.75	-0.04	3.23	2.06	16.26	63.79	1.32	0.31	0.083	Granite/Granodiorite Gneiss Residuum
A162714	47.00	48.50	1.50	0.09	9.35	3.62	15.48	52.41	1.70	0.70	0.246	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162715	48.50	49.25	0.75	0.00	9.15	3.75	14.63	55.45	1.41	0.68	0.253	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162716	49.25	50.00	0.75	0.00	10.21	3.69	14.81	53.24	1.32	0.72	0.299	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162717	50.00	51.50	1.50	0.00	9.55	3.65	14.06	53.13	1.70	0.77	0.237	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162718	51.50	53.00	1.50	-0.01	4.98	2.35	14.63	62.00	1.05	0.42	0.173	Granite/Granodiorite Gneiss Residuum
A162719	53.00	53.75	0.75	-0.02	5.93	2.37	14.19	59.79	0.83	0.50	0.254	Granite/Granodiorite Gneiss Residuum
A162720	53.75	54.50	0.75	-0.05	7.04	2.75	14.50	56.98	0.90	0.57	0.209	Granite/Granodiorite Gneiss Residuum
A162721	54.50	55.25	0.75	0.01	6.36	2.79	15.44	57.24	0.96	0.38	0.173	Granite/Granodiorite Gneiss Residuum
A162722	55.25	56.00	0.75	-0.05	9.95	3.66	13.94	52.84	1.01	0.62	0.209	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162723	56.00	56.75	0.75	-0.02	6.06	2.37	15.08	58.53	0.75	0.50	0.139	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?

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Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162724	56.75	57.50	0.75	0.10	6.38	2.21	15.58	55.82	0.85	0.63	0.188	Granite/Granodiorite Gneiss Residuum
A162725	57.50	58.25	0.75	0.11	11.87	3.24	13.56	49.04	1.23	0.98	0.263	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162726	58.25	59.00	0.75	0.03	9.98	2.88	13.67	52.52	1.05	0.76	0.211	Granite/Granodiorite Gneiss Residuum
A162727	59.00	59.75	0.75	-0.03	5.92	2.00	14.23	59.58	0.72	0.49	0.237	Granite/Granodiorite Gneiss Residuum
A162728	59.75	60.50	0.75	0.03	10.30	3.44	14.14	49.65	1.23	0.94	0.303	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162729	60.50	61.25	0.75	0.02	9.15	2.57	13.82	54.05	0.93	0.67	0.216	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162730	61.25	62.00	0.75	0.04	9.92	2.56	13.43	53.86	0.97	0.77	0.232	Granite/Granodiorite Gneiss Residuum and Minor Pyroxenite Dike Residuum?
A162731	62.00	62.75	0.75	0.19	8.61	2.23	14.32	53.80	1.12	0.64	0.206	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162732	62.75	63.50	0.75	0.52	9.09	2.36	14.13	53.29	1.63	0.62	0.222	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162733	63.50	64.25	0.75	0.37	7.60	2.15	14.55	54.78	1.46	0.65	0.236	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162734	64.25	65.00	0.75	0.55	8.23	2.06	15.00	53.22	1.75	0.84	0.173	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162735	65.00	65.75	0.75	0.60	9.66	2.23	14.39	51.40	1.85	1.03	0.536	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162736	65.75	66.50	0.75	0.68	11.35	3.31	12.86	49.14	2.13	1.54	0.871	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162737	66.50	67.25	0.75	0.27	13.77	2.80	12.42	48.77	1.44	1.85	1.42	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162738	67.25	68.00	0.75	0.41	18.47	2.29	11.16	42.80	1.54	1.43	15.8	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162739	68.00	69.50	1.50	0.67	10.44	2.66	13.75	47.68	2.33	1.67	2.92	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162740	69.50	70.40	0.90	0.39	15.73	3.48	11.33	42.83	2.51	2.00	6.05	Weathered Pyroxenite Residuum and Gneiss Residuum (Contact Zone)
A162741	70.40	71.00	0.60	0.36	16.26	4.12	10.91	42.01	3.26	2.33	1.88	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162742	71.00	71.75	0.75	0.53	15.64	5.38	10.03	40.91	4.37	2.99	1.37	Weathered Pyroxenite Pieces, Pyroxenite Residuum, Gneiss Xenoliths, Minor Carbonatite Residuum
A162743	71.75	72.50	0.75	0.39	15.75	4.67	10.80	42.28	2.29	1.97	0.48	Weathered Pyroxenite Pieces, Pyroxenite Residuum, Gneiss Xenoliths, Minor Carbonatite Residuum
A162744	72.50	73.25	0.75	0.73	16.71	5.22	9.22	39.38	4.93	3.00	1.79	Weathered Pyroxenite Pieces, Pyroxenite Residuum, Gneiss Xenoliths, Minor Carbonatite Residuum
A162745	73.25	74.00	0.75	1.15	18.27	4.88	8.28	39.11	5.95	3.47	1.6	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum

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North 5461350.06

Start Date 1/23/2005

East 366748.38

End Date 1/26/2005

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162746	74.00	74.75	0.75	0.85	20.61	4.66	8.25	38.33	4.96	4.08	3.57	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162747	74.75	75.50	0.75	1.80	16.35	3.69	8.33	43.70	5.10	4.63	3.98	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162748	75.50	76.25	0.75	1.06	23.12	3.99	7.25	40.27	3.54	4.21	4.95	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162749	76.25	77.00	0.75	1.08	20.56	3.44	8.49	41.93	2.58	4.83	1.08	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162750	77.00	77.75	0.75	2.23	18.06	2.31	6.93	45.75	4.06	4.33	0.717	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162751	77.75	78.50	0.75	4.44	26.41	1.97	4.86	32.48	6.13	3.64	0.456	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162752	78.50	79.25	0.75	2.68	26.77	3.31	5.24	34.02	4.69	4.46	2.85	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162753	79.25	80.00	0.75	2.83	23.62	3.09	5.24	37.87	5.18	4.75	2.21	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162754	80.00	80.75	0.75	7.04	21.93	4.17	5.05	28.24	11.20	3.61	3.26	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162755	80.75	81.50	0.75	3.73	23.82	5.14	5.00	31.71	6.68	3.59	9.53	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162756	81.50	82.25	0.75	4.95	20.27	5.41	5.10	32.03	8.77	3.82	3.89	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162757	82.25	83.00	0.75	4.82	20.37	6.01	5.30	32.05	8.37	3.84	10.4	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162758	83.00	83.75	0.75	2.92	20.03	7.11	5.25	34.34	5.91	3.39	2.76	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162759	83.75	84.50	0.75	2.49	20.69	6.47	6.72	33.59	5.53	3.67	1.88	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162760	84.50	85.25	0.75	0.94	21.70	6.60	4.68	40.26	3.42	3.31	12.5	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162761	85.25	86.00	0.75	3.02	20.09	6.69	4.84	34.62	6.19	3.09	6.05	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162762	86.00	86.75	0.75	3.50	18.80	5.85	4.57	39.15	6.84	3.18	1.02	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162763	86.75	87.60	0.85	4.89	19.40	5.58	6.33	33.00	9.18	3.73	1.07	Weathered Pyroxenite Pieces and Pyroxenite Residuum and Minor Carbonatite Residuum
A162764	87.60	88.25	0.65	2.64	29.95	4.28	5.24	29.07	4.97	2.14	0.463	Pyroxenite/Carbonatite Residuum and Weathered Pyroxenite/Carbonatite Pieces
A162765	88.25	89.00	0.75	2.42	29.15	4.67	4.08	27.60	5.02	2.06	0.421	Pyroxenite/Carbonatite Residuum and Weathered Pyroxenite/Carbonatite Pieces
A162766	89.00	90.50	1.50	3.49	3.34	0.61	0.44	81.28	4.76	0.19	0.796	Silicified/Silica Flooded Pieces (Pyroxenite/Carbonatite Residuum)
A162767	90.50	91.25	0.75	7.69	10.75	3.85	1.92	47.62	12.21	1.00	1.36	Tan and Brown Silt and Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)

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North 5461350.06

Start Date 1/23/2005

East 366748.38

End Date 1/26/2005

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162768	91.25	91.90	0.65	6.37	11.11	3.18	1.57	53.71	9.65	0.86	2.75	Tan and Brown Silt and Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)
A162769	91.90	92.75	0.85	9.30	14.17	4.22	2.22	38.48	14.05	1.18	2.08	Tan and Brown Silt (Carbonatite and Common Pyroxenite Residuum)
A162770	92.75	93.60	0.85	9.11	13.50	4.90	2.46	37.56	13.58	1.51	1.26	Tan and Brown Silt (Carbonatite and Common Pyroxenite Residuum)
A162771	93.60	94.25	0.65	1.83	32.41	5.23	4.07	35.27	4.03	5.78	4.34	Green Tan and Brown Silt (Carbonatite and Pyroxenite Residuum)
A162772	94.25	94.70	0.45	6.23	17.51	4.36	1.98	39.87	9.93	1.11	0.569	Green Tan and Brown Silt (Carbonatite and Pyroxenite Residuum)
A162773	94.70	95.00	0.30	9.11	12.76	5.44	1.17	38.94	14.00	0.79	0.35	Tan and Brown Silt and Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)
A162774	95.00	96.50	1.50	8.70	14.28	3.82	1.74	41.25	13.22	1.10	0.555	Tan and Brown Silt and Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)
A162775	96.50	97.30	0.80	10.72	14.38	2.42	0.78	40.82	14.88	0.68	0.627	Tan and Brown Silt and Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)
A162776	97.30	97.50	0.20	0.09	7.59	0.57	0.43	83.10	0.39	0.12	0.256	Strongly Silicified Silt Pieces (Carbonatite Residuum)
A162777	97.50	97.90	0.40	17.98	13.85	3.01	1.15	23.29	25.45	1.17	1.09	Tan and Brown Silt and Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)
A162778	97.90	98.80	0.90	5.75	34.80	2.39	0.98	34.66	8.24	3.82	8.17	Tan and Brown, Green and Purple Silt (Pyroxenite and Carbonatite Residuum)
A162779	98.80	99.50	0.70	4.63	8.50	1.79	0.56	67.14	6.53	0.70	0.991	Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)
A162780	99.50	101.00	1.50	2.92	5.10	1.73	0.59	75.13	4.32	0.43	0.302	Silicified Silt Pieces (Carbonatite and Minor Pyroxenite Residuum)
A162781	101.00	101.75	0.75	3.81	20.71	6.27	4.12	35.65	7.48	3.08	1.09	Brown, Blue Grey, and Minor Tan Silt (Pyroxenite and Minor Carbonatite Residuum)
A162782	101.75	102.60	0.85	3.28	24.16	5.99	3.86	32.92	6.31	2.46	1.16	Brown, Blue Grey, and Minor Tan Silt (Pyroxenite and Minor Carbonatite Residuum)
A162783	102.60	103.25	0.65	5.72	21.03	4.84	4.97	33.25	9.56	3.49	0.332	Weathered Pyroxenite and Pyroxenite Residuum
A162784	103.25	104.00	0.75	2.46	20.97	7.66	4.63	36.04	5.53	4.05	1.41	Weathered Pyroxenite and Pyroxenite Residuum
A162785	104.00	104.75	0.75	2.28	24.02	7.28	5.27	33.93	5.36	4.20	3.42	Weathered Pyroxenite and Pyroxenite Residuum
A162786	104.75	105.50	0.75	1.00	26.38	7.70	5.68	34.47	4.70	4.19	7.58	Weathered Pyroxenite and Pyroxenite Residuum
A162787	105.50	106.25	0.75	0.82	25.06	7.62	6.44	35.82	5.69	4.65	22.8	Weathered Pyroxenite and Pyroxenite Residuum
A162788	106.25	107.00	0.75	1.53	26.72	7.48	5.95	33.69	5.68	4.88	19.4	Weathered Pyroxenite and Pyroxenite Residuum
A162789	107.00	107.75	0.75	1.43	24.53	8.58	4.88	33.39	5.06	3.59	8.58	Weathered Pyroxenite and Pyroxenite Residuum

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North 5461350.06

East 366748.38

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 0

Start Date 1/23/2005

End Date 1/26/2005

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162790	107.75	108.50	0.75	0.98	25.35	8.18	5.09	33.39	4.91	4.27	8.97	Weathered Pyroxenite and Pyroxenite Residuum
A162791	108.50	109.25	0.75	1.39	23.25	8.32	5.32	32.49	5.82	4.31	6.16	Weathered Pyroxenite and Pyroxenite Residuum
A162792	109.25	110.00	0.75	2.45	24.09	7.38	5.73	32.38	6.87	4.63	9.5	Weathered Pyroxenite and Pyroxenite Residuum
A162793	110.00	110.75	0.75	0.44	28.24	7.77	6.45	35.66	4.21	5.16	15.5	Weathered Pyroxenite and Pyroxenite Residuum
A162794	110.75	111.50	0.75	0.87	26.76	7.80	5.72	33.11	5.36	5.02	12.4	Weathered Pyroxenite and Pyroxenite Residuum
A162795	111.50	112.25	0.75	1.20	26.94	6.75	6.66	33.98	6.30	5.76	15.5	Weathered Pyroxenite and Pyroxenite Residuum
A162796	112.25	113.00	0.75	1.21	27.08	6.74	6.11	33.20	5.93	5.20	14.6	Weathered Pyroxenite and Pyroxenite Residuum
A162797	113.00	113.75	0.75	0.93	25.47	7.35	6.69	33.12	7.08	5.53	14.8	Weathered Pyroxenite and Pyroxenite Residuum
A162798	113.75	114.50	0.75	1.82	22.94	7.26	6.17	32.80	6.48	4.47	5.01	Weathered Pyroxenite and Pyroxenite Residuum
A162799	114.50	115.25	0.75	0.60	24.47	7.55	7.39	33.78	6.46	5.65	11.9	Weathered Pyroxenite and Pyroxenite Residuum
A162800	115.25	116.00	0.75	0.76	23.46	7.55	6.45	33.27	6.42	4.73	7.35	Weathered Pyroxenite and Pyroxenite Residuum
A162801	116.00	116.75	0.75	2.41	26.22	6.57	6.15	31.88	6.51	4.50	11	Weathered Pyroxenite and Pyroxenite Residuum
A162802	116.75	117.50	0.75	0.98	27.09	7.32	5.54	31.79	4.96	4.30	6.92	Weathered Pyroxenite and Pyroxenite Residuum
A162803	117.50	118.25	0.75	0.74	28.86	7.34	6.09	32.41	4.78	5.21	9.64	Weathered Pyroxenite and Pyroxenite Residuum
A162804	118.25	119.00	0.75	0.45	25.31	8.92	4.75	32.81	4.06	3.54	7.5	Weathered Pyroxenite and Pyroxenite Residuum
A162805	119.00	119.75	0.75	0.22	24.86	9.47	5.04	34.60	3.64	3.45	11	Weathered Pyroxenite and Pyroxenite Residuum
A162806	119.75	120.50	0.75	0.17	23.22	10.38	3.92	34.23	3.82	2.85	8.39	Weathered Pyroxenite and Pyroxenite Residuum
A162807	120.50	121.25	0.75	1.43	25.92	7.84	4.56	33.35	4.49	3.51	7.9	Weathered Pyroxenite and Pyroxenite Residuum
A162808	121.25	122.00	0.75	1.27	25.11	8.37	5.35	32.28	6.37	4.61	16.8	Weathered Pyroxenite and Pyroxenite Residuum
A162809	122.00	122.75	0.75	1.33	24.22	8.36	5.33	31.29	6.44	4.33	11.9	Weathered Pyroxenite and Pyroxenite Residuum
A162810	122.75	123.50	0.75	0.62	24.91	8.27	5.27	32.12	7.24	4.80	16.1	Weathered Pyroxenite and Pyroxenite Residuum
A162811	123.50	124.25	0.75	1.43	25.03	9.77	4.93	30.94	5.17	3.99	18.8	Weathered Pyroxenite and Pyroxenite Residuum

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Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162812	124.25	125.00	0.75	2.73	20.21	10.49	4.39	31.21	6.23	3.00	3.8	Weathered Pyroxenite and Pyroxenite Residuum
A162813	125.00	125.75	0.75	1.24	22.34	9.61	4.02	32.36	5.87	4.59	10.8	Weathered Pyroxenite and Pyroxenite Residuum
A162814	125.75	126.50	0.75	1.39	22.87	10.13	4.00	31.95	5.83	3.60	15.6	Weathered Pyroxenite and Pyroxenite Residuum
A162815	126.50	127.25	0.75	4.27	21.82	8.39	4.96	29.00	8.44	3.95	5.16	Weathered Pyroxenite and Pyroxenite Residuum
A162816	127.25	128.00	0.75	0.60	23.72	9.13	5.72	31.39	5.32	4.28	10.3	Weathered Pyroxenite and Pyroxenite Residuum
A162817	128.00	128.75	0.75	1.18	23.53	9.56	4.49	31.82	6.20	3.69	12.1	Weathered Pyroxenite and Pyroxenite Residuum
A162818	128.75	129.50	0.75	0.72	22.63	10.16	4.59	33.39	6.01	3.70	13.5	Weathered Pyroxenite and Pyroxenite Residuum
A162819	129.50	130.25	0.75	9.16	20.95	6.60	2.91	26.80	14.88	2.90	9.66	Weathered Pyroxenite and Pyroxenite Residuum
A162820	130.25	131.00	0.75	7.84	20.17	6.83	3.37	29.55	13.11	3.39	8.57	Weathered Pyroxenite and Pyroxenite Residuum
A162821	131.00	131.40	0.40	4.72	20.38	8.71	4.28	30.54	8.57	2.84	2.08	Weathered Pyroxenite and Pyroxenite Residuum
A162822	131.40	132.50	1.10	11.97	11.27	2.23	0.51	50.00	15.88	0.87	17.3	Silicified Silt/Weathered Carbonatite, Green, Brown, Grey Silt (Residuum (Carbonatite & Pyroxenite))
A162823	132.50	133.25	0.75	14.17	14.37	3.24	0.99	37.38	18.93	1.30	18	Silicified Silt/Weathered Carbonatite, Green, Brown, Grey Silt (Residuum (Carbonatite & Pyroxenite))
A162824	133.25	134.10	0.85	13.82	16.10	3.47	0.92	35.94	18.60	1.25	14.8	Silicified Silt/Weathered Carbonatite, Minor Silt (Residuum (Carbonatite, Pyroxenite))
A162825	134.10	134.60	0.50	17.55	19.36	4.00	1.13	23.65	24.46	1.62	39.9	Green, Brown and Grey Silt (Residuum (Carbonatite & Pyroxenite))
A162826	134.60	135.10	0.50	12.51	15.80	2.72	1.15	41.25	16.65	1.05	18	Silicified Silt/Weathered Carbonatite, Minor Silt (Residuum (Carbonatite, Pyroxenite))
A162827	135.10	135.50	0.40	6.70	10.83	1.80	0.52	62.91	9.10	0.55	8.15	Silicified Silt/Weathered Carbonatite, Green, Brown, Grey Silt (Residuum (Carbonatite & Pyroxenite))
A162828	135.50	136.25	0.75	5.49	8.00	1.70	0.36	69.74	7.75	0.44	9.15	Silicified Silt/Weathered Carbonatite, Minor Silt (Residuum (Carbonatite, Pyroxenite))
A162829	136.25	137.00	0.75	9.46	10.84	1.87	0.45	56.13	12.59	0.64	13.5	Silicified Silt/Weathered Carbonatite, Minor Silt (Residuum (Carbonatite, Pyroxenite))
A162830	137.00	137.75	0.75	3.87	7.23	0.86	0.22	75.81	5.47	0.29	5.38	Silicified Silt/Weathered Carbonatite (Residuum (Carbonatite, Pyroxenite))
A162831	137.75	138.50	0.75	7.78	8.03	1.12	0.34	64.76	9.71	0.41	9.16	Silicified Silt/Weathered Carbonatite, Minor Silt (Residuum (Carbonatite, Pyroxenite))
A162832	138.50	139.25	0.75	5.47	7.05	1.02	0.29	73.03	7.16	0.37	6.81	Silicified Silt/Weathered Carbonatite (Residuum (Carbonatite, Pyroxenite))
A162833	139.25	140.00	0.75	8.58	7.99	1.62	0.33	61.22	12.14	0.47	11.1	Silicified Silt/Weathered Carbonatite (Residuum (Carbonatite, Pyroxenite))

Monday, October 30, 2006

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-05-250

North 5461350.06

Start Date 1/23/2005

East 366748.38

End Date 1/26/2005

Elevation 240.66

Proposed Depth

Actual Depth 141.5

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162834	140.00	140.75	0.75	6.05	7.21	1.94	0.47	68.89	8.10	0.47	7.49	Silicified Silt/Weathered Carbonatite (Residuum (Carbonatite, Pyroxenite))
A162835	140.75	141.50	0.75	5.33	8.13	1.52	0.39	69.58	7.17	0.49	2.49	Silicified Silt/Weathered Carbonatite, Minor Silt (Residuum (Carbonatite, Pyroxenite))

**Kapuskasing Phosphate Operation
Exploration Drilling**

Northing: 5461248.6
 Easting: 366736.6
 Elevation: 241.4
 Depth: 179
 Azimuth: 0
 Dip: -90

Drillhole Attitude Tests: No

Township: Cargill
 Claim number: P413077/104395/CLM300
 Drilling Contractor: Norex Drilling
 Drilling Start Date: 1/31/2005
 Drilling End Date: 2/4/2005
 Core Size: HQ till 73.7m and NQ from 73.7-179.0m
 Casing: No
 Hole Cemented: No
 Why drillhole terminated: In bedrock, 2HQ and 4NQ bits used
 Logged by: M. Stalker
 Date Logged: 2/7/2005
 Number of boxes: 29
 Number of assays: 146
 Number of ICP: 0
 Rejects/Pulps saved: Yes
 Core Stored: Agrium Minesite
 Pictures: Yes
 Geotechnical Log: Yes

SUMMARY LOG

<u>From(m)</u>	<u>To(m)</u>	<u>Description</u>
0.0	5.0	Lost Core
5.0	12.3	Clay
		9.0-11.6 - Till
12.3	26.4	Till
26.4	45.5	Pyroxenite Residuum and Weathered Pyroxenite Pieces
		26.4-27.5 - Pyroxenite/Carbonatite Residuum
45.5	49.7	Silicified Carbonatite Residuum, Pyroxenite Residuum, and Weathered Pyroxenite Pieces
49.7	53.0	Carbonatite Residuum and Pyroxenite Residuum
		Silicified Silt/Weathered Carbonatite and Silt
53.0	59.6	Carbonatite Residuum, Silt and Cemented Silt/Weathered Carbonatite
59.6	157.0	Carbonatite Residuum
		122.0-126.5 - Lost Core
157.0	162.5	Pyroxenite Residuum and Minor Carbonatite Residuum
162.5	179.0	Pyroxenite
179.0		End of Hole

M. Stalker

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-251

North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
0.0 m	5.0 m	5.0 m	799	LOST CORE	0 %
5.0 m	6.5 m	1.5 m	715	BROWN CLAY -light brown sticky clay (gumbo clay) -massive -very poor recovery and contact meterages may be inaccurate -unformed core -lower contact in lost core	3 %
6.5 m	7.0 m	0.5 m	714	BROWN VARVED CLAY -light, medium, and dark brown clay in varves (≤3cm) -locally varves are at 90° to CA and regular but also irregular and deformed especially near lower contact -minor bands of grey sticky clay -common plant debris and roots near upper contact -very poor recovery and contact meterages may be inaccurate -poorly formed core -lower contact in lost core	20 %
7.0 m	9.0 m	2.0 m	715	GREY CLAY -medium brown grey, massive, sticky clay (gumbo clay) -poor recovery and contact meterages may be inaccurate -poorly formed core -lower contact in lost core	20 %

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Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
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North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
9.0 m	11.6 m	2.6 m	717	BOULDER TILL -medium brown to grey brown silty clay with 15% heterogenous subround to angular boulders overall but a few large boulders (≤ 5 cm) with the rest ≤ 1 cm and comprising 5-10% of unit -unit appears gradational from clay above and below but with silt and boulders -poor recovery and contact meterages may be inaccurate -moderately formed core -lower contact sharp at 90° to CA	23 %
11.6 m	12.3 m	0.7 m	714	BROWN VARVED CLAY -cream to light grey brown and dark grey brown clay in thick (≤ 4 cm) regular, typical varves at 90° to CA -poor recovery and contact meterages may be inaccurate -poorly formed core -lower contact in lost core	50 %
12.3 m	26.4 m	14.1 m	717	BOULDER TILL -top of unit starts as light to medium brown grey silt clay and gradually gets darker and browner downhole with the lower half of unit medium grey brown silty clay -overall 10% heterogenous round to angular boulders (≤ 13 cm) but ranges from 5-15% boulders in areas with silt and clay intact -commonly boulders are roughly aligned at 90° to CA -moderately and well formed core, locally slightly lithified -lower contact in lost core 12.3-13.1 - mainly boulders with minor silty clay	75 %

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Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-251

North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
26.4 m	27.5 m	1.1 m	720	ORANGE BROWN SILT AND CREAM GREEN CLAY (PYROXENITE/CARBONATITE RESIDUUM) -medium orange brown silt and bands of cream green (very light green) clay with 3% dark grey magnetite silt and non-magnetic iron oxide silt in patches (≤ 0.5 cm) -minor coarse grained (≤ 2 cm) cream mica/vermiculite flakes near lower contact -cream green clay may be from altered mica/vermiculite -possibly carbonatite residuum or more highly weathered section of unit below (pyroxenite residuum) -poorly and moderately formed core -lower contact in lost core	59 %
27.5 m	45.5 m	18.0 m	720	PYROXENITE RESIDUUM AND WEATHERED PYROXENITE PIECES -a mix of about 70% silt and clay and 30% strongly weathered pyroxenite pieces but gradational between the two -silt with minor clay is medium to dark grey green to blue grey green, and minor light grey green, medium rusty brown, orange brown, and dark grey -minor light green tan clay sections especially at 33.2-33.4m, 34.2-34.4m -weathered pyroxenite pieces are of the same colour as the silt and clay and mainly coarse grained (≤ 1 cm) but range from fine to coarse -minor coarse grained (≤ 1 cm) patches and grains of magnetite -locally weakly to strongly magnetic -3% coarse grained (≤ 2 cm) dark green and bronze mica/vermiculite found in rusty brown sections of silt and weathered pieces -minor banding observed at 20-35° to CA -minor cream and light grey silt or patches in weathered pyroxenite pieces probably from patches of carbonatite content, locally slightly silicified -unformed to well formed pieces (≤ 20 cm) -lower contact in lost core	56 %

Agrium

Kapuskasing Phosphate Operation

Exploration Drilling

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Lithological Descriptions

Drill Hole ID
AGR-05-251

North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
45.5 m	49.7 m	4.2 m	720	<p>SILICIFIED (CARBONATITE) RESIDUUM PIECES, PYROXENITE RESIDUUM, AND WEATHERED PYROXENITE PIECES (PYROXENITE RESIDUUM AND COMMON CARBONATITE RESIDUUM)</p> <ul style="list-style-type: none">-40% cream and light to dark grey and minor green grey, translucent, strongly silicified residuum or possibly silicified weathered carbonatite/pyroxenite pieces that are banded at 30-40° to CA with minor vugs aligned with banding-30% dark green grey blue to dark grey silt that is gradational to 30% strongly weathered pyroxenite pieces of the same colour and texture-minor orange brown silt-2% coarse (≤2cm) magnetite grains or patches found locally-silicification increases downhole to silica flooded-locally weakly and moderately magnetic-probably a section of mixed pyroxenite and carbonatite residuum or weathered pieces where the carbonatite material has been preferentially silicified leaving lighter coloured silicified bands and sections within weathered pyroxenite and pyroxenite residuum-silicified sections commonly contain patches of dark green grey silt-well formed pieces (≤16cm) and unformed core-lower contact in lost core <p>45.5-47.0 - mainly weathered pyroxenite and pyroxenite residuum with 20% moderately silicified carbonatite patchy bands</p> <p>48.5-49.7 - 70% silicified carbonatite residuum material</p>	76 %

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Kapuskasing Phosphate Operation

Exploration Drilling

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East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
49.7 m	53.0 m	3.3 m	720	CEMENTED SILT/WEATHERED CARBONATITE PIECES AND TAN, DARK GREEN AND GREY, BROWN, AND MINOR CREAM SILT (CARBONATITE RESIDUUM AND COMMON PYROXENITE RESIDUUM) -60% cream to tan, medium orange brown, and dark grey and green, all in patches and rough bands, medium to coarse grained, cemented silt or strongly weathered carbonatite pieces, probably cemented silt -40% tan, dark green, dark grey, medium and dark brown, and minor cream silt -5-10% fine grained magnetite silt commonly in bands and patches (≤ 2 cm) in both silt and pieces but especially in silt -5% dark grey teal clinochlore/mica grains (≤ 0.5 cm) in both silt and pieces -pieces are slightly silicified near upper contact -rough banding locally at 50-75° to CA -probably carbonatite residuum with common pyroxene composition material -well formed pieces (≤ 14 cm) and unformed core -lower contact in lost core	62 %
53.0 m	54.5 m	1.5 m	720	GREY AND CREAM SILT AND COMMON CEMENTED SILT/WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM) -80% medium and dark grey, cream, and rare pink silt with 5% fine grained magnetite silt especially in patches (≤ 1.5 cm) and 3% dark teal clinochlore (≤ 1 cm) -20% cemented silt pieces or possibly strongly weathered carbonatite pieces as at 49.7-53.0m and found throughout but especially at 53.9-54.1m -unformed and poorly formed core and well formed pieces (≤ 10 cm) -lower contact in lost core chosen at last cemented weathered piece	57 %

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Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
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North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
54.5 m	56.8 m	2.3 m	720	GREY AND CREAM SILT (CARBONATITE RESIDUUM) -medium grey to medium taupe grey, cream to light grey, minor dark grey and green grey, and rare pink to purple red silt -approximately 15% dark grey, fine grained, magnetite silt (difficult to estimate due to fineness) disseminated throughout -approximately 5% fine to coarse grained (≤ 0.5 cm) medium and dark teal clinchlore (difficult to estimate due to fineness) disseminated throughout -trace fine grained pyrite -unformed and minor poorly formed core -lower contact sharp at 45° to CA	91 %
56.8 m	59.6 m	2.8 m	720	ORANGE BROWN AND TAN SILT (CARBONATITE RESIDUUM) - medium orange brown, tan, minor medium brown, and rare cream silt -5% grains and patches of magnetite silt (≤ 1 cm) disseminated throughout -commonly locally hardened or slightly cemented possibly by phosphate cement -unformed, poorly, and moderately formed core -lower contact irregular at 45° to CA at silicified silt piece but gradually becomes cemented towards lower contact	91 %

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Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

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North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
59.6 m	92.3 m	32.7 m	720	<p>SILICIFIED CEMENTED SILT PIECES WITH MINOR WEATHERED CARBONATITE? AND RARE LOCAL BROWN SILT (CARBONATITE RESIDUUM)</p> <ul style="list-style-type: none"> -80% rusty brown and orange brown strongly silicified cemented silt pieces with 2% coarse grains (≤ 1.5cm) of magnetite disseminated throughout but locally rich, cement is probably iron and silica -brown pieces are commonly brecciated with orange brown cemented silt pieces in a rusty brown or orange brown matrix but possibly the fragments are weathered carbonatite at least locally (picture taken) -10% medium grey, translucent, strongly silicified, silt pieces with 3% coarse grained (≤ 0.5cm) magnetite found especially at 63.2-65.6m (picture taken) -10% cream to tan cherty silica flooded pieces commonly with colloform textures and common vugs filled with crystals found especially at 64.8-80.0m (picture taken) -locally well banded at 30-60° to CA -rare orange brown silt mainly in sections as listed -unit may be all cemented silt or cemented silt and silicified weathered carbonatite pieces possibly increasing downhole -well formed pieces (≤ 50cm) and rare unformed core -lower contact in lost core 59.6-60.2 - minor orange brown silt @ 63.6 - patch of bright lime green clay 63.9-64.2 - common orange brown silt @ 73.7 - CORE SIZE CHANGES FROM HQ ABOVE TO NQ BELOW 	52 %
92.3 m	93.5 m	1.2 m	720	<p>BROWN, GREY, AND TAN SILT (CARBONATITE AND PYROXENITE RESIDUUM)</p> <ul style="list-style-type: none"> -medium and dark brown, dark grey, and tan silt with minor magnetite silt and grains (≤ 0.5cm) -appears to be a mix of carbonatite and pyroxenite residuum but possibly all carbonatite residuum -pyroxenite residuum may have been less amenable to silicification than units on either side -unformed core -lower contact in lost core 	33 %

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Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-251

North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
93.5 m	99.5 m	6.0 m	720	SILICIFIED CEMENTED SILT PIECES WITH MINOR WEATHERED CARBONATITE? AND MINOR LOCAL BROWN SILT (CARBONATITE RESIDUUM) -similar to 59.6-92.3m but without grey translucent silicified silt pieces, and minor local dark brown, tan, and orange brown silt -locally less silicified and with common vugs similar to weathered carbonatite -well formed pieces (≤ 20 cm) and minor poorly formed core -lower contact in lost core	25 %
99.5 m	101.0 m	1.5 m	720	TAN AND BROWN SILT (CARBONATITE RESIDUUM) -tan and medium orange brown and brown silt with 5% dark purple brown patches of iron oxide silt disseminated throughout -poorly formed core -lower contact in lost core	17 %
101.0 m	105.9 m	4.9 m	720	SILICIFIED CEMENTED SILT PIECES WITH MINOR WEATHERED CARBONATITE? AND RARE LOCAL BROWN SILT (CARBONATITE RESIDUUM) -as 59.6-92.3m -well formed pieces (≤ 11 cm) and rare unformed core -lower contact in lost core 103.1-104.0 - minor orange brown silt	28 %

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Exploration Drilling

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Lithological Descriptions

Drill Hole ID
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North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
105.9 m	107.3 m	1.4 m	720	ORANGE BROWN AND TAN SILT AND COMMON SILICIFIED CEMENTED SILT PIECES (CARBONATITE RESIDUUM AND MINOR PYROXENITE RESIDUUM?) -orange brown, cream to tan, and minor dark brown silt with 3% coarse grained (≤ 1 cm) patches of magnetite and other iron oxide silt -15% silicified cemented silt pieces or possibly silicified weathered carbonatite pieces as in unit above (101.0-105.9m) and below (107.3-111.5m) -poorly and moderately formed core with well formed pieces (≤ 7 cm) -lower contact in lost core	50 %
107.3 m	111.5 m	4.2 m	720	SILICIFIED CEMENTED SILT PIECES WITH MINOR WEATHERED CARBONATITE? AND RARE LOCAL BROWN SILT (CARBONATITE RESIDUUM) -as 59.6-92.3m -well formed pieces (≤ 14 cm) and rare poorly formed and unformed core -lower contact in lost core	21 %
111.5 m	113.1 m	1.6 m	720	BROWN AND TAN SILT (CARBONATITE RESIDUUM AND MINOR PYROXENITE RESIDUUM?) -tan, dark brown, medium orange brown, and dark brown grey silt with 3% dark grey and dark brown coarse grained (≤ 1 cm) patches of magnetite or other iron oxide silt -darker than typical carbonatite residuum and may have some pyroxenite composition content -poorly formed core -lower contact in lost core	53 %

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Kapuskasing Phosphate Operation Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID
AGR-05-251

North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
113.1 m	116.0 m	2.9 m	720	TAN, ORANGE BROWN, AND CREAM CLAY AND COMMON SILT (CARBONATITE RESIDUUM) -tan, orange brown, and green cream clay and common silt with 2% dark grey or purple grey coarse grained (≤ 0.5 cm) patches of magnetite and other iron oxide silt -5% cream, silver, and bronze, coarse grained (≤ 2 cm) mica/vermiculite flakes altering to clay -similar to carbonatite silt residuum but clay is dominant possibly after mica/vermiculite -moderately formed core -lower contact in lost core 115.4-116.0 - darker silt rich section	57 %
116.0 m	117.5 m	1.5 m	720	SILICIFIED CEMENTED SILT/WEATHERED CARBONATITE PIECES (CARBONATITE RESIDUUM) -similar to 59.6-92.3m but lighter in colour to orange brown, tan, light grey, and cream with minor to common vugs -with definite cemented silt sections and possibly all cemented silt but commonly looks similar to silicified weathered carbonatite -well formed pieces (≤ 9 cm) -lower contact in lost core	17 %
117.5 m	118.4 m	0.9 m	720	TAN, ORANGE BROWN, AND MINOR CREAM CLAY AND COMMON SILT (CARBONATITE RESIDUUM) -similar to 113.1-116.0m but with less green cream clay and with 10% dark grey or purple grey patches and bands of magnetite and other iron oxide silt -moderately formed core -lower contact in lost core	33 %

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Kapuskasing Phosphate Operation

Exploration Drilling

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Lithological Descriptions

Drill Hole ID
AGR-05-251

North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
118.4 m	120.5 m	2.1 m	720	ORANGE BROWN AND TAN SILT (CARBONATITE RESIDUUM) -light to medium orange brown and tan silt with 2% dark grey and dark purple brown magnetite grains and silt patches (≤0.5cm) -minor clay content locally -unformed and poorly formed core -lower contact in lost core	36 %
120.5 m	122.0 m	1.5 m	720	SILICIFIED CEMENTED SILT/WEATHERED CARBONATITE PIECES AND MINOR ORANGE BROWN SILT -similar to 116.0-117.5m with pieces the same but with 10% light to medium orange brown silt -well formed pieces (≤4cm) and minor unformed core -lower contact in lost core	7 %
122.0 m	126.5 m	4.5 m	799	LOST CORE	0 %

Note: Drillers stated that a big cave was encountered.

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Kapuskasing Phosphate Operation

Exploration Drilling

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Lithological Descriptions

Drill Hole ID
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North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
126.5 m	157.0 m	30.5 m	720	SILICIFIED CEMENTED SILT/WEATHERED CARBONATITE PIECES AND MINOR TAN, CREAM, AND BROWN SILT AND CLAY (CARBONATITE RESIDUUM) -tan, light grey, and cream, commonly translucent pieces with common vugs and 2-3% coarse (≤ 0.5 cm) magnetite grains disseminated throughout -similar to 116.0-117.5m -moderately and locally strongly silicified -vugs are commonly filled with crystals -mainly banded at 0-90° to CA, vugs aligned with banding -difficult to discern if unit is silicified cemented silt or silicified weathered carbonatite but at least some of unit is cemented silt and possibly the whole unit -3% tan, orange brown, and minor cream silt and minor clay found locally -well formed pieces (≤ 28 cm) and minor poorly formed core -lower contact in lost core 128.0-129.5 - common orange brown to tan brown silt 135.0-135.2 - tan and minor orange brown and cream clay and silt section 146.0-147.5 - rare orange brown silt 149.0-150.5 - minor tan silt 153.7-154.1 - minor orange brown silt 156.5-157.0 - common orange brown silt	23 %

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Kapuskasing Phosphate Operation

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Lithological Descriptions

Drill Hole ID
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North 5461248.6

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East 366736.6

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Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

From	To	Length	Lithological Code	Description	% Recovery
157.0 m	162.5 m	5.5 m	720	<p>PYROXENITE RESIDUUM WITH MINOR CARBONATITE RESIDUUM</p> <ul style="list-style-type: none">-dark green, dark grey, medium to dark blue grey, minor to common cream and pink cream, and minor orange brown and tan silt and clay-probably pyroxenite residuum with cream, tan, and orange brown patches and mottles in sections with carbonatite residuum material-pyroxenite residuum locally gradational to strongly weathered pyroxenite pieces with some solid core pieces but still composed of silt-minor local sections are moderately magnetic especially at strongly weathered pyroxenite sections-0.5% pyrite as very fine grains found throughout but mainly in strongly weathered pyroxenite sections-locally weakly banded at 70-90° to CA-unformed to well formed core but mainly moderately formed-lower contact in lost core <p>159.2-161.3 - section with increase to minor to common cream, tan, and orange brown silt and clay and with minor iron cemented silt pieces (≤3cm) at 159.3m</p>	85 %

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Kapuskasing Phosphate Operation

Exploration Drilling

Project Winter 2004 / 2005

Lithological Descriptions

Drill Hole ID

AGR-05-251

North 5461248.6

East 366736.6

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 29

Start Date 1/31/2005

End Date 2/4/2005

From	To	Length	Lithological Code	Description	% Recovery
162.5 m	179.0 m	16.5 m	712	PYROXENITE -dark grey green, fine to medium grained with coarse grained sections, solid core section of pyroxenite -soft but harder than typical pyroxenite -minor local sections are moderately magnetic -fresh but locally slightly weathered -5% white and pink carbonate wispy stringers in many directions but especially at 20-30° and 45° to CA -minor local sections with common medium grained leucoxene -weakly fractured with late faults causing minor displacement of carbonate stringers at 45° to CA -pyroxenite is finer, harder, less magnetic, and more massive than typical with a volcanic rather than the normal intrusive appearance -well formed pieces (≤87cm) 162.5-162.8 - small (≤4cm) pieces of pyroxenite and orange silicified cemented silt with minor dark green and grey silt	91 %
179.0				END OF HOLE	%

Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Assay Results

Drill Hole ID
AGR-05-251

North 5461248.6

East 366736.6

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 0

Start Date 1/31/2005

End Date 2/4/2005

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162836	26.40	27.50	1.10	7.21	24.68	1.92	6.70	32.52	10.77	4.49	1.19	Orange Brown Silt and Cream Green Clay (Pyroxenite/Carbonatite Residuum)
A162837	27.50	28.25	0.75	4.66	25.11	2.18	5.65	36.75	7.07	4.01	1.33	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162838	28.25	29.00	0.75	3.42	26.47	3.29	6.06	36.60	5.94	5.41	3.41	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162839	29.00	29.75	0.75	4.49	25.23	3.26	6.76	34.19	7.57	4.28	1.06	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162840	29.75	30.50	0.75	5.17	23.76	2.42	6.87	35.13	9.58	6.66	2.49	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162841	30.50	31.25	0.75	1.80	32.34	4.59	5.49	32.99	4.05	5.24	18.6	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162842	31.25	32.00	0.75	1.32	27.44	4.09	6.75	37.02	4.13	4.83	3.13	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162843	32.00	33.50	1.50	4.81	30.07	2.95	5.84	30.48	6.76	4.89	3.06	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162844	33.50	34.25	0.75	1.94	30.35	3.50	7.55	31.77	4.01	4.31	2.19	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162845	34.25	35.00	0.75	2.28	21.99	5.84	6.96	36.13	5.31	3.59	1.54	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162846	35.00	36.50	1.50	2.10	26.29	4.69	5.05	36.88	4.97	3.66	2.81	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162847	36.50	37.25	0.75	1.33	19.51	7.77	3.29	43.33	4.12	3.48	2.39	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162848	37.25	38.00	0.75	4.86	18.83	6.79	4.37	37.64	8.49	2.70	1.67	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162849	38.00	38.75	0.75	3.64	20.93	6.59	6.86	34.17	7.28	3.18	1.24	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162850	38.75	39.50	0.75	5.01	28.00	5.94	5.04	26.85	8.28	3.09	6.98	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162851	39.50	41.00	1.50	5.91	18.37	5.20	4.59	38.75	8.96	2.16	1.46	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162852	41.00	42.50	1.50	4.81	18.96	3.94	4.13	45.54	7.37	1.55	1.5	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162853	42.50	43.25	0.75	4.60	20.97	5.34	4.47	36.23	9.32	3.09	1.9	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162854	43.25	44.00	0.75	4.95	19.84	5.01	4.26	39.09	9.17	3.83	2.29	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162855	44.00	45.50	1.50	1.61	42.83	2.67	4.10	24.73	2.69	3.42	5.57	Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162856	45.50	46.25	0.75	3.20	23.87	5.23	5.02	35.04	6.49	3.13	10.2	Pyroxenite Residuum & Weathered Pyroxenite, Common Silicified (Carbonatite) Residuum Pieces
A162857	46.25	47.00	0.75	5.90	17.86	6.58	5.55	37.38	9.13	2.48	18	Pyroxenite Residuum & Weathered Pyroxenite, Common Silicified (Carbonatite) Residuum Pieces

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Exploration Drilling

Assay Results

Drill Hole ID
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North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 0

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162858	47.00	47.75	0.75	4.36	13.44	5.76	2.30	51.17	7.00	1.57	9.08	Common Silicified (Carbonatite) Residuum, Pyroxenite Residuum & Weathered Pyroxenite Pieces
A162859	47.75	48.50	0.75	5.42	10.10	2.75	1.31	61.25	7.36	0.68	12	Common Silicified (Carbonatite) Residuum, Pyroxenite Residuum & Weathered Pyroxenite Pieces
A162860	48.50	49.70	1.20	5.63	6.70	1.92	1.03	66.55	7.62	0.58	5.93	Silicified (Carbonatite) Residuum Pieces, Pyroxenite Residuum and Weathered Pyroxenite Pieces
A162861	49.70	50.75	1.05	8.88	12.81	2.58	1.79	49.19	12.60	1.45	6.19	Cemented Silt Pieces, Tan, Green, Grey, & Brown Silt (Residuum (Carbonatite & Common Pyroxenite))
A162862	50.75	51.50	0.75	12.46	31.27	2.03	1.49	27.02	16.64	3.35	38.5	Cemented Silt Pieces, Tan, Green, Grey, & Brown Silt (Residuum (Carbonatite & Common Pyroxenite))
A162863	51.50	52.25	0.75	11.71	13.66	2.05	1.45	41.07	16.74	1.10	2.93	Cemented Silt Pieces, Tan, Green, Grey, & Brown Silt (Residuum (Carbonatite & Common Pyroxenite))
A162864	52.25	53.00	0.75	11.58	29.29	1.38	1.10	30.47	16.24	2.88	74	Cemented Silt Pieces, Tan, Green, Grey, & Brown Silt (Residuum (Carbonatite & Common Pyroxenite))
A162865	53.00	53.75	0.75	25.31	12.61	2.18	1.44	13.82	32.94	1.19	11.9	Grey and Cream Silt and Minor Cemented Silt (Carbonatite Residuum)
A162866	53.75	54.50	0.75	21.33	15.10	3.00	1.69	20.12	28.44	1.81	29.8	Grey and Cream Silt and Common Cemented Silt (Carbonatite Residuum)
A162867	54.50	55.25	0.75	24.14	11.30	2.91	1.80	15.80	31.97	1.83	29.7	Grey and Cream Silt (Carbonatite Residuum)
A162868	55.25	56.00	0.75	29.14	11.52	1.78	1.16	8.45	37.24	1.96	37.9	Grey and Cream Silt (Carbonatite Residuum)
A162869	56.00	56.80	0.80	28.14	14.42	1.61	1.35	9.35	36.89	2.10	59.7	Grey and Cream Silt (Carbonatite Residuum)
A162870	56.80	57.50	0.70	28.55	14.46	0.50	0.79	7.01	39.16	2.08	1.19	Orange Brown and Tan Silt (Carbonatite Residuum)
A162871	57.50	58.25	0.75	26.19	23.23	0.43	0.71	6.67	34.25	2.25	5.41	Orange Brown and Tan Silt (Carbonatite Residuum)
A162872	58.25	59.00	0.75	27.54	20.59	0.34	0.62	6.21	37.52	1.72	2.71	Orange Brown and Tan Silt (Carbonatite Residuum)
A162873	59.00	59.60	0.60	28.02	13.41	0.32	0.67	10.99	38.08	1.24	1.05	Orange Brown and Tan Silt (Carbonatite Residuum)
A162874	59.60	60.50	0.90	16.40	28.44	0.33	0.37	23.25	21.14	0.41	2.7	Silicified Cemented Silt with Weathered Carbonatite? & Minor Brown Silt (Carbonatite Residuum)
A162875	60.50	61.25	0.75	4.57	11.79	0.21	0.29	63.54	5.32	0.31	0.508	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162876	61.25	62.00	0.75	3.25	27.12	0.27	0.25	53.95	3.34	0.32	5.27	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162877	62.00	62.75	0.75	7.18	17.12	0.32	0.83	54.63	9.58	0.56	5.82	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162878	62.75	63.50	0.75	7.84	12.84	0.28	0.42	58.98	9.78	0.81	6.72	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162879	63.50	63.90	0.40	5.52	21.57	0.15	0.27	53.34	6.57	0.50	9.41	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)

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North 5461248.6

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Proposed Depth

Actual Depth 179

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162880	63.90	64.20	0.30	8.65	23.19	0.17	0.35	44.61	10.65	0.63	11.8	Silicified Cemented Silt, Minor Weathered Carbonatite? & Common Brown Silt (Carbonatite Residuum)
A162881	64.20	65.00	0.80	4.21	19.05	0.08	0.29	61.12	4.82	0.29	2.49	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162882	65.00	65.75	0.75	6.03	2.77	0.04	0.29	76.42	7.94	0.09	0.426	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162883	65.75	66.50	0.75	2.49	12.74	0.05	0.18	71.55	2.83	0.02	0.403	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162884	66.50	67.25	0.75	1.81	8.46	0.02	0.33	78.75	2.13	0.05	1.44	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162885	67.25	68.00	0.75	3.08	8.86	0.04	0.23	76.64	3.65	0.19	0.398	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162886	68.00	68.75	0.75	4.21	17.29	0.10	0.20	62.37	5.08	0.30	0.946	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162887	68.75	69.50	0.75	4.02	29.93	0.11	0.33	47.85	4.31	0.41	1.77	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162888	69.50	71.00	1.50	4.52	24.57	0.10	0.23	52.95	5.16	0.43	8.22	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162889	71.00	71.75	0.75	5.02	15.76	0.08	0.23	61.77	5.82	0.70	2.7	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162890	71.75	72.50	0.75	4.63	18.63	0.04	0.26	58.80	5.37	0.18	3.97	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162891	72.50	73.70	1.20	4.96	8.98	0.05	0.30	71.07	6.16	0.22	0.434	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162892	73.70	74.00	0.30	2.07	2.53	2.84	0.30	75.43	6.02	0.21	1.76	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162893	74.00	75.50	1.50	1.66	2.14	-0.05	0.20	90.30	2.18	0.05	0.292	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162894	75.50	77.00	1.50	4.66	5.98	0.06	0.26	78.30	6.08	0.61	1.88	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162895	77.00	78.50	1.50	6.10	12.45	0.08	0.22	65.37	7.65	0.33	2.02	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162896	78.50	80.00	1.50	4.55	4.82	0.04	0.27	79.61	5.93	0.18	1.64	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162897	80.00	81.50	1.50	6.78	14.52	0.12	0.34	60.47	8.64	0.47	1.73	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162898	81.50	83.00	1.50	12.50	5.43	0.14	0.46	58.27	16.02	0.37	1.05	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162899	83.00	84.50	1.50	6.76	10.57	0.12	0.18	66.73	8.66	0.32	2.79	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162900	84.50	85.25	0.75	5.64	27.49	0.14	0.25	49.53	6.73	0.38	2.08	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162901	85.25	86.00	0.75	4.69	16.32	0.13	0.24	63.85	5.76	0.33	2.83	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)

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Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162902	86.00	87.50	1.50	5.12	23.55	0.14	0.24	52.85	6.12	0.39	1.57	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162903	87.50	89.00	1.50	5.74	14.05	0.21	0.24	61.91	7.28	0.46	3.35	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162904	89.00	90.50	1.50	7.35	7.78	0.14	0.26	67.99	9.54	0.43	1.94	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162905	90.50	92.00	1.50	5.03	9.69	0.12	0.21	72.26	6.49	0.53	6.48	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162906	92.00	92.30	0.30	9.84	16.42	0.21	0.34	51.95	12.57	0.93	4.87	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162907	92.30	93.50	1.20	22.18	23.15	0.34	0.77	13.75	27.39	1.42	7.35	Brown, Grey, and Tan Silt (Carbonatite and Pyroxenite Residuum)
A162908	93.50	95.00	1.50	1.84	8.02	-0.01	0.11	80.68	2.42	0.05	7.32	Silicified Cemented Silt, Minor Weathered Carbonatite? & Minor Brown Silt (Carbonatite Residuum)
A162909	95.00	96.50	1.50	4.39	5.62	0.05	0.29	77.82	5.82	0.22	1.44	Silicified Cemented Silt, Minor Weathered Carbonatite? & Minor Brown Silt (Carbonatite Residuum)
A162910	96.50	98.00	1.50	2.09	6.85	0.05	0.31	83.67	2.73	0.32	0.639	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162911	98.00	99.50	1.50	6.62	7.55	0.12	0.90	68.38	8.35	0.47	0.544	Silicified Cemented Silt, Minor Weathered Carbonatite? & Minor Brown Silt (Carbonatite Residuum)
A162912	99.50	101.00	1.50	23.99	17.09	0.33	1.82	16.08	30.74	1.84	0.892	Tan and Brown Silt (Carbonatite Residuum)
A162913	101.00	102.50	1.50	7.01	7.92	0.10	0.23	67.87	9.03	0.34	1.33	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162914	102.50	104.00	1.50	7.79	11.86	0.17	0.22	61.28	10.09	0.73	2.03	Silicified Cemented Silt, Minor Weathered Carbonatite? & Minor Brown Silt (Carbonatite Residuum)
A162915	104.00	105.50	1.50	8.46	17.82	0.19	0.34	53.25	10.64	1.38	3.44	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162916	105.50	105.90	0.40	10.60	13.11	0.18	0.31	54.46	13.40	0.84	5.6	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162917	105.90	107.00	1.10	6.69	29.44	0.34	3.70	37.07	6.96	4.07	1.25	Orange Brown, Tan Silt, Common Cemented Silt Pieces (Residuum (Carbonatite & Minor Pyroxenite?))
A162918	107.00	107.30	0.30	9.87	32.20	0.38	2.94	32.42	11.65	3.33	7.12	Orange Brown, Tan Silt, Common Cemented Silt Pieces (Residuum (Carbonatite & Minor Pyroxenite?))
A162919	107.30	108.00	0.70	5.93	10.65	0.18	0.57	67.47	7.58	0.68	0.79	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162920	108.00	110.00	2.00	5.77	24.85	0.21	1.83	49.30	6.38	1.54	2.81	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162921	110.00	111.50	1.50	5.85	12.29	0.20	0.39	66.64	7.57	0.92	10	Silicified Cemented Silt with Minor Weathered Carbonatite? (Carbonatite Residuum)
A162922	111.50	113.10	1.60	14.61	47.06	0.42	2.51	5.67	16.86	2.26	2.43	Brown and Tan Silt (Residuum (Carbonatite & Minor Pyroxenite?))
A162923	113.10	113.75	0.65	1.61	25.58	1.34	14.51	34.00	2.18	8.79	0.656	Tan, Orange Brown, and Cream Clay and Common Silt (Carbonatite Residuum)

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Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162924	113.75	114.50	0.75	2.48	29.29	1.23	12.65	30.02	3.42	8.95	0.383	Tan, Orange Brown, and Cream Clay and Common Silt (Carbonatite Residuum)
A162925	114.50	115.40	0.90	0.64	28.09	1.37	15.15	31.59	0.88	9.89	1.36	Tan, Orange Brown, and Cream Clay and Common Silt (Carbonatite Residuum)
A162926	115.40	116.00	0.60	4.17	33.56	0.57	5.99	23.75	3.48	3.24	0.275	Tan, Orange Brown, and Cream Clay and Common Silt (Carbonatite Residuum)
A162927	116.00	117.50	1.50	7.56	10.54	0.23	0.47	62.98	9.90	0.68	2.37	Silicified Cemented Silt/Weathered Carbonatite (Carbonatite Residuum)
A162928	117.50	118.40	0.90	9.59	32.86	0.64	12.62	15.95	11.37	6.71	1.6	Tan, Orange Brown, and Minor Cream Clay and Common Silt (Carbonatite Residuum)
A162929	118.40	119.00	0.60	16.99	29.38	0.42	4.07	15.10	21.05	2.11	3.62	Orange Brown and Tan Silt (Carbonatite Residuum)
A162930	119.00	120.50	1.50	20.13	25.78	0.38	2.35	16.09	25.38	1.77	4.6	Orange Brown and Tan Silt (Carbonatite Residuum)
A162931	120.50	122.00	1.50	10.35	15.83	0.23	0.60	50.08	12.96	1.21	1.91	Silicified Cemented Silt/ Weathered Carbonatite & Minor Orange Brown Silt (Carbonatite Residuum)
A162932	126.50	128.00	1.50	4.67	9.45	0.11	0.32	72.65	6.09	0.53	1.04	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162933	128.00	129.50	1.50	12.50	17.31	0.28	0.74	43.46	15.63	1.06	1.94	Silicified Cemented Silt/Weathered Carbonatite Pieces, Common Brown Silt (Carbonatite Residuum)
A162934	129.50	131.00	1.50	7.57	11.13	0.13	0.36	63.01	9.71	0.62	3.53	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162935	131.00	132.50	1.50	6.40	9.61	0.12	0.32	68.36	8.34	0.57	3.77	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162936	132.50	134.00	1.50	6.08	9.49	0.13	0.38	69.58	7.87	0.52	3.88	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162937	134.00	135.50	1.50	9.21	11.65	0.25	1.26	58.43	11.85	1.23	3.91	Silicified Cemented Silt/Weathered Carbonatite, Tan, Brown, Cream Clay, Silt (Carbonatite Residuum)
A162938	135.50	137.00	1.50	8.20	10.99	0.15	0.39	61.97	10.25	0.52	5.3	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162939	137.00	138.50	1.50	8.38	13.12	0.16	0.41	59.60	10.53	0.79	3.32	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162940	138.50	140.00	1.50	12.17	12.37	0.22	0.61	51.07	15.67	0.96	1.69	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162941	140.00	141.50	1.50	8.99	7.74	0.12	0.62	62.97	11.42	0.41	1.53	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162942	141.50	143.00	1.50	8.02	7.92	0.12	0.39	65.87	10.38	0.46	1.26	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162943	143.00	144.50	1.50	7.86	9.24	0.15	0.41	65.24	10.26	0.57	2.82	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162944	144.50	146.00	1.50	7.07	10.08	0.15	0.37	66.29	9.41	0.68	2.97	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162945	146.00	147.50	1.50	8.67	10.50	0.18	0.37	61.74	11.17	0.74	3.24	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)

Monday, October 30, 2006

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Drill Hole ID
AGR-05-251

North 5461248.6

Start Date 1/31/2005

East 366736.6

End Date 2/4/2005

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 0

Assay Results

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162946	147.50	149.00	1.50	4.85	6.01	0.09	0.19	77.06	6.49	0.34	1.49	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162947	149.00	150.50	1.50	6.14	9.10	0.12	0.20	70.11	8.06	0.61	1.78	Silicified Cemented Silt/Weathered Carbonatite Pieces and Minor Tan Silt (Carbonatite Residuum)
A162948	150.50	152.00	1.50	5.37	6.19	0.19	0.16	75.75	7.23	0.37	1.87	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162949	152.00	153.50	1.50	5.25	7.03	0.12	0.23	74.66	7.03	0.41	2.46	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162950	153.50	155.00	1.50	6.13	6.38	0.15	0.25	73.52	8.23	0.36	2.71	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162951	155.00	156.50	1.50	4.70	5.83	0.27	0.28	77.46	6.23	0.31	4.52	Silicified Cemented Silt/Weathered Carbonatite Pieces (Carbonatite Residuum)
A162952	156.50	157.00	0.50	12.50	15.10	0.71	0.57	44.58	16.52	0.75	4.62	Silicified Cemented Silt/Weathered Carbonatite Pieces, Common Brown Silt (Carbonatite Residuum)
A162953	157.00	158.00	1.00	22.62	23.75	2.73	1.03	10.67	28.87	1.41	74.9	Pyroxenite Residuum
A162954	158.00	158.75	0.75	14.27	24.59	3.13	0.98	22.68	18.83	1.64	44.9	Pyroxenite Residuum
A162955	158.75	159.20	0.45	0.10	14.50	19.37	2.39	37.78	1.88	1.33	1.61	Pyroxenite Residuum
A162956	159.20	159.50	0.30	12.88	17.53	7.43	3.62	24.21	18.65	2.83	8.44	Pyroxenite Residuum With Minor Carbonatite Residuum
A162957	159.50	160.25	0.75	12.46	16.74	6.31	5.98	21.41	17.95	3.43	1.25	Pyroxenite Residuum With Minor Carbonatite Residuum
A162958	160.25	161.30	1.05	11.65	16.53	6.10	4.54	26.80	16.92	2.93	2.29	Pyroxenite Residuum With Minor Carbonatite Residuum
A162959	161.30	161.75	0.45	3.06	23.63	8.55	3.65	33.45	5.56	2.88	1.05	Pyroxenite Residuum
A162960	161.75	162.50	0.75	2.46	20.71	10.21	3.66	36.00	4.99	2.93	0.365	Pyroxenite Residuum
A162961	162.50	164.00	1.50	0.03	7.61	10.26	1.70	39.95	15.41	0.90	2.32	Pyroxenite
A162962	164.00	164.75	0.75	0.23	7.09	12.56	2.14	33.94	17.95	1.01	0.622	Pyroxenite
A162963	164.75	165.50	0.75	0.44	7.18	12.50	2.27	34.71	17.84	1.06	0.789	Pyroxenite
A162964	165.50	166.25	0.75	0.25	7.41	13.24	2.35	34.43	17.20	1.08	0.654	Pyroxenite
A162965	166.25	167.00	0.75	0.16	6.48	10.12	1.86	26.02	23.70	0.86	0.453	Pyroxenite
A162966	167.00	167.75	0.75	0.12	7.45	13.16	2.22	34.32	17.22	0.98	0.52	Pyroxenite
A162967	167.75	168.50	0.75	0.02	7.42	14.12	2.04	33.25	16.98	0.92	1.16	Pyroxenite

Monday, October 30, 2006

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Agrium

Kapuskasing Phosphate Operation
Exploration Drilling

Assay Results

Drill Hole ID
AGR-05-251

North 5461248.6

East 366736.6

Elevation 241.4

Proposed Depth

Actual Depth 179

Number of Boxes 0

Start Date 1/31/2005


End Date 2/4/2005

Sample #	From	To	Length	P2O5	Fe2O3	MgO	Al2O3	SiO2	CaO	TiO2	Mag. Sus.	Comment
A162968	168.50	169.25	0.75	0.03	7.10	14.42	1.78	33.14	17.28	0.79	1.53	Pyroxenite
A162969	169.25	170.00	0.75	0.00	6.61	13.59	1.70	32.28	18.77	0.78	0.84	Pyroxenite
A162970	170.00	170.75	0.75	-0.02	6.76	14.49	1.91	35.40	17.37	0.94	1.7	Pyroxenite
A162971	170.75	171.50	0.75	0.02	7.01	14.42	1.91	34.20	17.16	0.90	2.46	Pyroxenite
A162972	171.50	172.25	0.75	-0.02	7.09	16.07	1.67	33.26	16.82	0.79	3.06	Pyroxenite
A162973	172.25	173.00	0.75	-0.06	6.50	15.27	1.78	35.06	17.11	0.78	3.26	Pyroxenite
A162974	173.00	173.75	0.75	-0.07	6.61	15.10	1.81	35.28	16.92	0.77	3.35	Pyroxenite
A162975	173.75	174.50	0.75	-0.06	6.45	14.59	2.05	35.80	17.13	0.79	1.64	Pyroxenite
A162976	174.50	175.25	0.75	0.48	7.35	12.52	2.31	32.65	17.96	0.96	0.57	Pyroxenite
A162977	175.25	176.00	0.75	0.02	8.22	12.95	2.85	34.15	15.93	1.46	1.73	Pyroxenite
A162978	176.00	176.75	0.75	0.10	9.71	14.00	3.87	29.79	13.49	1.18	0.656	Pyroxenite
A162979	176.75	177.50	0.75	-0.08	7.07	14.12	2.23	35.13	16.37	0.85	1.51	Pyroxenite
A162980	177.50	178.25	0.75	0.01	7.67	13.94	2.58	34.65	15.54	0.92	0.825	Pyroxenite
A162981	178.25	179.00	0.75	0.14	7.58	13.71	2.45	34.21	16.26	0.98	0.259	Pyroxenite

assessment assays

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-238	A161251	34.60	24.03	0.44	0.40	3.12	31.73	0.17	-999
AGR-04-238	A161252	42.06	17.78	0.42	0.53	9.66	21.78	0.25	-999
AGR-04-238	A161253	20.04	24.17	0.43	0.21	11.03	31.02	0.07	-999
AGR-04-238	A161254	6.69	37.02	0.32	0.12	1.43	48.77	0.05	-999
AGR-04-238	A161255	3.55	38.35	0.30	0.11	1.31	50.22	0.06	-999
AGR-04-238	A161256	4.33	36.79	0.32	0.11	3.27	48.89	0.06	-999
AGR-04-238	A161257	22.79	27.69	0.51	0.34	2.92	36.15	0.15	-999
AGR-04-238	A161258	23.82	27.62	0.50	0.24	2.55	36.87	0.10	-999
AGR-04-238	A161259	22.04	26.04	0.53	0.27	5.80	34.06	0.08	-999
AGR-04-238	A161260	19.96	27.63	0.52	0.21	3.75	36.26	0.07	-999
AGR-04-238	A161261	34.06	19.18	0.59	0.24	4.45	25.46	0.08	-999
AGR-04-238	A161262	20.56	27.08	0.49	0.22	2.60	37.85	0.06	-999
AGR-04-238	A161263	19.90	29.33	0.50	0.33	1.78	39.61	0.18	-999
AGR-04-238	A161264	24.84	27.33	0.55	0.35	1.31	36.49	0.16	-999
AGR-04-238	A161265	30.78	23.08	0.60	0.33	1.45	30.47	0.19	-999
AGR-04-238	A161266	18.77	28.44	0.50	0.29	2.51	37.88	0.09	-999
AGR-04-238	A161267	10.06	33.26	0.42	0.14	1.36	46.41	0.05	-999
AGR-04-238	A161268	9.34	33.23	0.41	0.17	1.08	45.57	0.06	-999
AGR-04-238	A161269	20.66	29.01	0.48	0.17	1.17	39.95	0.09	-999
AGR-04-238	A161270	13.26	32.92	0.42	0.22	0.71	45.96	0.13	-999
AGR-04-238	A161271	9.08	34.02	0.43	0.16	1.74	47.67	0.06	-999
AGR-04-238	A161272	7.90	34.96	0.41	0.13	1.30	49.59	0.04	-999
AGR-04-238	A161273	6.20	35.57	0.43	0.44	1.47	49.77	0.10	-999
AGR-04-238	A161274	21.58	27.22	0.57	0.29	4.54	35.90	0.07	-999
AGR-04-238	A161275	24.73	26.10	0.58	0.20	2.84	34.68	0.06	-999
AGR-04-238	A161276	12.02	14.87	0.65	0.08	30.23	25.46	0.05	-999
AGR-04-238	A161277	3.72	3.21	16.33	0.08	1.22	34.62	0.04	-999
AGR-04-238	A161278	3.47	3.72	16.43	0.08	1.10	34.60	0.04	-999
AGR-04-238	A161279	3.32	2.96	16.62	0.09	0.63	35.09	0.03	-999
AGR-04-238	A161280	4.35	2.34	15.93	0.09	1.57	34.41	0.04	-999
AGR-04-238	A161281	3.73	4.12	15.77	0.10	1.64	34.66	0.04	-999
AGR-04-238	A161282	3.03	5.34	15.17	0.12	0.79	36.31	0.04	-999
AGR-04-238	A161283	3.56	5.30	15.51	0.10	0.87	35.45	0.04	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-238	A161284	4.35	6.45	14.74	0.14	1.81	34.89	0.04	-999
AGR-04-238	A161285	4.37	7.46	14.49	0.13	1.52	34.64	0.04	-999
AGR-04-238	A161286	3.57	4.27	15.85	0.12	1.31	34.89	0.04	-999
AGR-04-238	A161287	2.88	7.10	14.34	0.10	0.81	37.11	0.04	-999
AGR-04-238	A161288	8.89	7.28	9.06	0.17	3.88	36.46	0.04	-999
AGR-04-238	A161289	22.62	3.06	8.68	5.22	29.06	8.18	0.89	-999
AGR-04-238	A161290	27.02	0.31	13.08	9.38	23.20	3.01	1.74	-999
AGR-04-238	A161291	4.12	10.88	5.51	0.16	1.64	45.87	0.05	-999
AGR-04-238	A161292	4.76	5.01	12.91	0.11	1.75	37.01	0.04	-999
AGR-04-238	A161293	4.45	1.58	16.00	0.10	2.13	33.84	0.04	-999
AGR-04-238	A161294	4.66	2.11	15.80	0.15	2.15	33.90	0.04	-999
AGR-04-238	A161295	3.50	4.72	15.44	0.10	1.23	35.49	0.04	-999
AGR-04-238	A161296	3.53	4.35	15.26	0.10	1.27	35.76	0.04	-999
AGR-04-238	A161297	3.78	4.75	12.44	0.11	1.30	38.69	0.04	-999
AGR-04-238	A161298	3.70	5.23	10.07	0.20	1.92	40.90	0.05	-999
AGR-04-238	A161299	3.77	5.75	9.10	0.17	1.96	41.81	0.05	-999
AGR-04-238	A161300	4.56	4.58	13.52	0.22	1.19	36.91	0.07	-999
AGR-04-238	A161301	5.04	3.28	15.54	0.15	0.59	35.09	0.08	-999
AGR-04-238	A161302	6.26	4.04	14.07	0.19	0.83	35.46	0.10	-999
AGR-04-238	A161303	5.32	10.30	9.94	0.42	1.72	39.12	0.10	-999
AGR-04-238	A161304	4.27	5.87	12.51	0.21	0.85	37.93	0.06	-999

Signature: 

Date: 1/11/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-239	A161867	13.93	21.44	0.35	0.68	25.98	29.42	0.09	-999
AGR-04-239	A161868	6.72	32.19	0.30	1.01	9.16	44.54	0.08	-999
AGR-04-239	A161869	13.45	34.06	0.07	2.52	2.37	32.43	0.14	-999
AGR-04-239	A161870	9.02	36.22	0.06	3.38	1.80	37.00	0.07	-999
AGR-04-239	A161871	6.73	37.16	0.07	2.77	2.08	41.36	0.06	-999
AGR-04-239	A161872	4.08	37.81	0.06	3.98	2.81	43.28	0.06	-999
AGR-04-239	A161873	11.30	35.04	0.18	0.62	0.90	45.34	0.05	-999
AGR-04-239	A161874	14.40	26.85	0.21	0.28	14.58	34.90	0.05	-999
AGR-04-239	A161875	29.67	23.29	0.25	0.35	7.12	30.16	0.05	-999
AGR-04-239	A161876	33.18	18.87	0.27	0.22	11.64	24.56	0.04	-999
AGR-04-239	A161877	21.53	23.93	0.22	0.30	14.05	30.83	0.06	-999
AGR-04-239	A161878	15.29	31.96	0.23	0.33	2.23	43.34	0.06	-999
AGR-04-239	A161879	17.24	30.43	0.21	0.67	4.86	39.53	0.06	-999
AGR-04-239	A161880	8.76	35.37	0.15	2.01	1.35	46.85	0.08	-999
AGR-04-239	A161881	23.52	28.51	0.22	0.85	1.25	39.46	0.08	-999
AGR-04-239	A161882	21.73	29.15	0.22	0.68	1.72	41.04	0.07	-999
AGR-04-239	A161883	38.28	20.51	0.28	0.33	5.05	28.72	0.05	-999
AGR-04-239	A161884	22.23	6.54	0.15	0.11	48.36	8.15	0.04	-999
AGR-04-239	A161885	16.63	9.37	0.17	0.15	49.34	12.53	0.04	-999
AGR-04-239	A161886	11.60	11.68	0.18	0.13	50.16	15.84	0.04	-999
AGR-04-239	A161887	11.34	20.97	0.23	0.13	29.44	29.50	0.04	-999
AGR-04-239	A161888	14.60	18.25	0.25	0.13	31.04	25.35	0.04	-999
AGR-04-239	A161889	19.28	25.65	0.33	0.32	9.13	36.22	0.04	-999
AGR-04-239	A161890	28.64	24.88	0.32	0.74	1.71	36.26	0.32	-999
AGR-04-239	A161891	9.19	22.49	0.29	0.28	28.48	30.77	0.05	-999
AGR-04-239	A161892	8.19	28.33	0.28	0.18	16.73	38.85	0.05	-999
AGR-04-239	A161893	26.39	24.83	0.38	0.28	2.08	34.08	0.08	-999
AGR-04-239	A161894	26.91	24.04	0.41	0.30	2.59	33.80	0.10	-999
AGR-04-239	A161895	18.08	28.58	0.41	0.29	2.90	41.08	0.04	-999
AGR-04-239	A161896	9.18	33.68	0.30	0.19	1.08	50.14	0.04	-999
AGR-04-239	A161897	16.31	30.35	0.45	0.49	1.60	43.47	0.16	-999
AGR-04-239	A161898	17.30	29.66	0.56	0.46	1.36	42.93	0.09	-999
AGR-04-239	A161899	19.19	28.10	0.58	0.40	1.46	40.48	0.04	-999

Signature: 

Date: 1/5/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-239	A161900	7.16	11.91	1.40	0.24	1.04	50.14	0.04	-999
AGR-04-239	A161901	4.60	8.67	1.45	0.22	0.97	52.44	0.04	-999
AGR-04-239	A161902	5.04	6.77	2.13	0.21	0.92	51.64	0.03	-999
AGR-04-239	A161903	11.59	28.44	0.94	1.10	3.24	45.04	0.19	-999
AGR-04-239	A161904	3.47	5.42	12.73	0.29	1.19	40.45	0.05	-999
AGR-04-239	A161905	3.37	4.83	13.30	0.17	1.00	40.42	0.04	-999
AGR-04-239	A161906	3.78	4.94	15.24	0.15	0.47	38.21	0.03	-999
AGR-04-239	A161907	3.10	4.74	16.21	0.15	0.62	37.62	0.03	-999
AGR-04-239	A161908	2.95	3.22	17.19	0.12	0.56	37.03	0.03	-999
AGR-04-239	A161909	2.96	3.93	16.70	0.12	0.49	37.47	0.04	-999
AGR-04-239	A161910	3.90	4.64	15.75	0.15	0.67	37.58	0.05	-999
AGR-04-239	A161911	3.45	4.59	15.89	0.21	0.99	37.13	0.05	-999
AGR-04-239	A161912	5.96	6.72	14.56	0.20	0.84	37.06	0.08	-999
AGR-04-239	A161913	7.39	10.80	11.94	0.27	0.99	38.04	0.10	-999
AGR-04-239	A161914	3.94	6.95	13.82	0.21	0.73	39.13	0.04	-999
AGR-04-239	A161915	4.36	17.03	7.19	0.31	1.00	45.46	0.03	-999
AGR-04-239	A161916	4.20	7.35	6.53	0.21	0.81	47.56	0.03	-999
AGR-04-239	A161917	9.90	26.13	3.23	0.37	1.54	44.72	0.04	-999
AGR-04-239	A161918	3.44	4.43	9.82	0.12	0.40	28.98	0.03	-999
AGR-04-239	A161919	6.00	3.86	14.57	0.18	0.57	35.42	0.03	-999
AGR-04-239	A161920	6.02	3.63	15.66	0.14	0.70	34.01	0.03	-999
AGR-04-239	A161921	4.56	3.04	14.83	0.15	0.53	37.16	0.03	-999
AGR-04-239	A161922	2.65	4.03	10.92	0.09	0.31	28.65	0.03	-999
AGR-04-239	A161923	2.76	6.04	15.40	0.20	0.50	38.29	0.03	-999
AGR-04-239	A161924	4.32	5.14	15.40	0.15	0.53	35.14	0.03	-999
AGR-04-239	A161925	2.60	3.55	11.65	0.09	0.28	28.64	0.03	-999
AGR-04-239	A161926	3.61	5.12	16.18	0.18	0.63	36.94	0.06	-999
AGR-04-239	A161927	3.16	5.61	15.72	0.17	0.56	36.28	0.04	-999
AGR-04-239	A161928	3.38	4.54	11.37	0.11	0.30	27.78	0.06	-999
AGR-04-239	A161929	4.03	4.45	16.29	0.14	0.42	36.52	0.07	-999
AGR-04-239	A161930	5.82	6.02	14.33	0.20	0.64	35.49	0.09	-999

Signature: 

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Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-240	A161305	24.72	2.59	2.60	6.05	42.32	6.36	4.47	-999
AGR-04-240	A161306	20.31	3.36	3.18	6.87	43.18	7.23	4.61	-999
AGR-04-240	A161307	7.44	0.63	2.06	14.87	53.56	2.86	0.67	-999
AGR-04-240	A161308	7.33	0.32	2.26	15.52	53.42	2.11	0.66	-999
AGR-04-240	A161309	7.29	0.38	1.96	15.99	53.81	2.41	0.65	-999
AGR-04-240	A161310	5.94	0.31	1.86	16.40	55.74	2.42	0.57	-999
AGR-04-240	A161311	8.96	0.33	2.41	15.04	50.50	2.55	0.73	-999
AGR-04-240	A161312	7.09	0.25	1.95	15.75	54.38	2.60	0.61	-999
AGR-04-240	A161313	7.79	0.30	2.26	15.73	51.49	2.56	0.68	-999
AGR-04-240	A161314	7.47	0.25	2.18	15.33	54.27	2.37	0.61	-999
AGR-04-240	A161315	7.94	0.35	2.70	15.78	49.96	2.62	0.87	-999
AGR-04-240	A161316	3.99	0.14	1.38	17.46	57.15	3.18	0.39	-999
AGR-04-240	A161317	5.35	0.22	1.84	16.92	54.70	2.95	0.54	-999
AGR-04-240	A161318	5.95	0.19	1.91	15.61	58.30	1.91	0.73	-999
AGR-04-240	A161319	7.85	0.33	2.63	15.45	52.90	2.72	0.71	-999
AGR-04-240	A161320	5.27	0.19	1.94	16.30	56.51	1.99	0.51	-999
AGR-04-240	A161321	4.75	0.14	1.59	16.87	57.17	2.69	0.50	-999
AGR-04-240	A161322	8.16	0.31	2.22	15.29	51.72	2.98	0.66	-999
AGR-04-240	A161323	8.17	0.37	3.03	15.09	49.84	3.84	0.69	-999
AGR-04-240	A161324	5.34	0.17	2.15	16.26	54.69	3.63	0.48	-999
AGR-04-240	A161325	6.61	0.30	1.92	16.75	51.98	3.41	0.60	-999
AGR-04-240	A161326	7.11	0.22	2.24	15.36	54.41	3.08	0.60	-999
AGR-04-240	A161327	6.03	0.06	1.73	15.95	57.10	3.27	0.46	-999
AGR-04-240	A161328	4.15	0.05	1.36	16.30	60.68	2.62	0.41	-999
AGR-04-240	A161329	5.30	0.03	1.72	14.99	62.60	1.22	0.48	-999
AGR-04-240	A161330	7.79	0.01	2.05	13.88	59.86	0.89	0.49	-999
AGR-04-240	A161331	4.79	0.10	1.43	14.18	64.67	1.10	0.40	-999
AGR-04-240	A161332	3.36	0.32	0.98	15.02	64.79	2.13	0.34	-999
AGR-04-240	A161333	8.56	0.03	1.96	14.23	56.62	1.49	0.50	-999
AGR-04-240	A161334	6.89	0.19	1.65	14.94	58.67	2.43	0.62	-999
AGR-04-240	A161335	5.51	0.05	1.14	14.58	62.55	2.87	0.48	-999
AGR-04-240	A161336	4.53	0.03	1.07	16.49	60.85	2.86	0.52	-999
AGR-04-240	A161337	3.23	-0.01	0.73	14.74	68.72	2.68	0.34	-999

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-240	A161338	7.66	0.10	1.02	15.08	58.94	2.56	0.43	-999
AGR-04-240	A161339	8.09	0.04	1.96	16.91	49.08	3.71	0.67	-999
AGR-04-240	A161340	8.80	0.07	1.82	16.06	51.66	3.50	0.73	-999
AGR-04-240	A161341	10.95	0.07	3.04	15.05	45.19	4.89	0.80	-999
AGR-04-240	A161342	5.65	0.01	1.50	15.28	60.40	2.36	0.50	-999
AGR-04-240	A161343	2.93	0.12	0.90	15.27	66.41	2.26	0.37	-999
AGR-04-240	A161344	7.74	0.18	1.79	15.81	54.55	2.90	0.90	-999
AGR-04-240	A161345	8.35	0.08	1.57	15.37	54.54	2.88	0.74	-999
AGR-04-240	A161346	9.80	0.33	1.97	14.64	53.22	2.71	1.19	-999
AGR-04-240	A161347	8.70	0.09	1.99	13.57	57.46	1.56	0.62	-999
AGR-04-240	A161348	5.37	0.08	2.02	13.99	62.53	1.02	0.41	-999
AGR-04-240	A161349	4.02	0.01	1.74	15.71	61.34	0.70	0.47	-999
AGR-04-240	A161350	5.25	0.03	1.43	15.29	61.60	1.70	0.48	-999
AGR-04-240	A161351	4.66	0.07	1.65	15.19	62.29	1.04	0.44	-999
AGR-04-240	A161352	6.38	0.09	2.30	14.06	59.26	1.36	0.56	-999
AGR-04-240	A161353	4.80	0.02	1.28	15.25	61.05	1.26	0.37	-999
AGR-04-240	A161354	4.67	0.11	1.40	14.77	61.75	2.09	0.40	-999
AGR-04-240	A161355	3.62	0.16	0.92	14.64	62.41	3.92	0.26	-999
AGR-04-240	A161356	4.23	-0.01	1.45	14.15	64.11	1.42	0.27	-999
AGR-04-240	A161357	8.71	0.09	1.95	14.56	55.50	1.82	0.62	-999
AGR-04-240	A161358	3.72	0.03	1.27	15.03	63.64	1.63	0.36	-999
AGR-04-240	A161359	1.77	-0.05	0.69	15.20	68.13	1.32	0.19	-999
AGR-04-240	A161360	4.29	0.04	1.48	14.92	63.54	1.28	0.38	-999
AGR-04-240	A161361	3.83	0.08	1.37	14.59	64.28	1.01	0.39	-999
AGR-04-240	A161362	3.43	0.03	1.29	14.75	65.30	0.73	0.38	-999
AGR-04-240	A161363	4.43	-0.01	1.56	14.93	62.42	0.73	0.44	-999
AGR-04-240	A161364	5.33	0.06	1.83	14.37	62.12	0.84	0.47	-999
AGR-04-240	A161365	5.53	0.01	1.43	14.45	62.04	0.63	0.39	-999
AGR-04-240	A161366	4.37	0.07	1.33	14.09	64.63	0.80	0.49	-999
AGR-04-240	A161367	5.07	0.10	1.36	14.18	63.10	0.88	0.69	-999
AGR-04-240	A161368	10.86	0.36	2.22	14.92	51.89	1.38	1.89	-999
AGR-04-240	A161369	15.90	0.37	2.51	14.09	46.96	1.56	2.45	-999
AGR-04-240	A161370	15.69	0.37	2.87	15.33	46.97	1.50	2.50	-999

Signature: 

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-240	A161371	15.91	0.44	2.96	14.42	45.94	1.77	2.50	-999
AGR-04-240	A161372	13.29	0.40	2.36	14.57	49.33	1.50	1.92	-999
AGR-04-240	A161373	4.24	0.03	0.95	16.12	62.10	0.90	0.40	-999
AGR-04-240	A161374	6.49	0.03	2.06	15.38	57.73	0.94	0.56	-999
AGR-04-240	A161375	6.23	0.01	2.00	15.76	57.52	0.89	0.56	-999
AGR-04-240	A161376	3.37	0.03	1.39	15.69	64.61	1.03	0.35	-999
AGR-04-240	A161377	4.44	0.09	1.60	15.10	61.51	1.91	0.45	-999
AGR-04-240	A161378	4.97	0.02	1.79	15.22	61.99	1.04	0.47	-999
AGR-04-240	A161379	4.25	-0.03	1.11	15.20	65.50	0.95	0.28	-999
AGR-04-240	A161380	3.98	0.02	1.44	15.72	63.07	1.21	0.45	-999
AGR-04-240	A161381	6.70	0.03	1.67	15.12	59.79	1.29	0.53	-999
AGR-04-240	A161382	8.16	0.14	2.15	16.33	55.69	1.75	0.85	-999
AGR-04-240	A161383	6.23	0.06	1.97	15.37	60.31	1.70	0.58	-999
AGR-04-240	A161384	7.31	0.06	1.89	14.40	60.14	1.35	0.40	-999
AGR-04-240	A161385	4.21	0.02	1.53	15.20	64.81	1.23	0.41	-999
AGR-04-240	A161386	3.29	-0.02	1.55	15.81	65.42	1.17	0.38	-999
AGR-04-240	A161387	5.87	-0.01	2.09	14.72	61.27	1.82	0.51	-999
AGR-04-240	A161388	3.63	0.04	1.02	16.80	62.64	2.41	0.46	-999
AGR-04-240	A161389	2.39	-0.03	0.77	15.31	68.30	1.89	0.31	-999
AGR-04-240	A161390	4.41	0.02	1.39	15.34	63.92	1.93	0.44	-999
AGR-04-240	A161391	3.62	0.06	1.18	15.63	63.52	2.06	0.37	-999
AGR-04-240	A161392	4.63	0.07	1.39	16.45	60.13	2.19	0.42	-999
AGR-04-240	A161393	3.95	0.02	0.97	15.17	66.38	2.20	0.38	-999
AGR-04-240	A161394	4.57	0.05	1.33	15.37	64.22	1.88	0.47	-999
AGR-04-240	A161395	4.83	0.13	1.61	15.84	61.45	2.00	0.49	-999
AGR-04-240	A161396	3.80	0.09	1.46	15.56	63.75	1.33	0.47	-999
AGR-04-240	A161397	3.47	0.13	1.26	17.80	59.22	1.72	0.59	-999
AGR-04-240	A161398	3.87	0.02	1.30	15.68	62.90	1.34	0.38	-999
AGR-04-240	A161399	4.56	0.02	1.56	15.42	61.92	1.32	0.42	-999
AGR-04-240	A161400	9.64	0.09	2.42	14.64	53.73	1.71	0.79	-999
AGR-04-240	A161401	6.26	0.01	1.79	14.08	60.82	1.42	0.52	-999
AGR-04-240	A161402	5.77	0.01	1.72	13.85	62.16	1.34	0.50	-999
AGR-04-240	A161403	4.11	0.01	1.34	14.77	64.33	1.18	0.41	-999

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-240	A161404	4.38	-0.02	1.72	15.90	61.04	1.50	0.41	-999
AGR-04-240	A161405	4.58	0.04	1.45	16.47	59.72	1.58	0.55	-999
AGR-04-240	A161406	3.70	0.02	1.32	15.03	64.32	1.37	0.43	-999
AGR-04-240	A161407	4.39	0.08	1.53	15.26	61.97	1.32	0.46	-999
AGR-04-240	A161408	16.44	0.27	3.21	12.47	48.10	1.64	1.82	-999
AGR-04-240	A161409	5.44	0.07	1.37	14.98	61.71	1.45	0.54	-999
AGR-04-240	A161410	6.88	0.37	2.26	14.28	57.49	1.53	0.69	-999
AGR-04-240	A161411	5.23	0.05	1.55	15.00	61.21	1.33	0.56	-999
AGR-04-240	A161412	5.53	0.07	1.96	14.29	61.67	1.25	0.47	-999
AGR-04-240	A161413	11.48	0.17	3.20	13.38	52.02	1.49	1.04	-999
AGR-04-240	A161414	12.33	0.23	3.55	12.22	53.16	1.25	1.41	-999
AGR-04-240	A161415	15.04	0.44	5.01	12.80	47.61	1.46	2.74	-999
AGR-04-240	A161416	13.85	0.47	3.25	14.26	48.30	1.73	2.09	-999
AGR-04-240	A161417	15.15	0.43	3.39	13.66	45.95	1.90	2.02	-999
AGR-04-240	A161418	12.17	0.74	4.87	12.46	49.28	1.88	1.33	-999
AGR-04-240	A161419	8.93	0.17	2.90	13.69	55.55	1.37	0.72	-999
AGR-04-240	A161420	7.27	0.28	2.50	14.41	57.51	1.55	0.68	-999
AGR-04-240	A161421	6.32	0.06	2.08	14.38	60.29	1.35	0.61	-999
AGR-04-240	A161422	7.40	0.09	2.62	14.46	56.95	1.39	0.64	-999
AGR-04-240	A161423	7.19	0.28	2.68	15.36	54.19	1.79	0.65	-999
AGR-04-240	A161424	6.19	0.18	2.18	15.34	56.70	1.72	0.56	-999
AGR-04-240	A161425	5.27	0.05	2.07	15.13	59.73	1.35	0.46	-999
AGR-04-240	A161426	5.31	0.09	1.97	15.11	59.30	1.42	0.46	-999
AGR-04-240	A161427	7.52	0.05	1.99	14.73	57.56	2.15	0.71	-999
AGR-04-240	A161428	7.65	0.03	2.16	13.99	58.16	2.02	0.65	-999
AGR-04-240	A161429	5.20	0.15	1.53	14.20	63.08	2.22	0.46	-999

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-241	A161430	12.23	0.30	2.08	14.07	47.17	3.05	1.48	-999
AGR-04-241	A161431	7.89	0.33	1.79	17.66	51.91	2.16	0.73	-999
AGR-04-241	A161432	6.83	0.28	1.25	18.21	52.80	2.39	0.58	-999
AGR-04-241	A161433	7.93	0.34	1.35	18.15	51.17	2.64	0.70	-999
AGR-04-241	A161434	7.38	0.40	1.35	16.77	52.44	2.40	0.74	-999
AGR-04-241	A161435	8.23	0.22	1.63	15.78	53.08	2.04	0.83	-999
AGR-04-241	A161436	6.01	0.23	1.66	17.02	54.73	2.45	0.64	-999
AGR-04-241	A161437	7.35	0.19	2.15	16.31	52.23	2.62	0.70	-999
AGR-04-241	A161438	6.29	0.25	1.64	16.41	54.51	3.03	0.60	-999
AGR-04-241	A161439	6.44	0.26	1.53	16.28	55.33	2.96	0.60	-999
AGR-04-241	A161440	8.49	0.41	2.62	15.53	49.15	3.86	0.75	-999
AGR-04-241	A161441	7.32	0.31	1.97	16.18	51.33	3.16	0.67	-999
AGR-04-241	A161442	9.90	0.27	2.13	15.80	48.88	2.84	0.74	-999
AGR-04-241	A161443	9.32	0.41	2.82	15.28	46.55	4.62	0.72	-999
AGR-04-241	A161444	5.31	0.24	1.63	16.10	56.12	3.48	0.49	-999
AGR-04-241	A161445	8.40	0.39	2.67	16.39	47.21	4.56	0.73	-999
AGR-04-241	A161446	11.37	0.46	3.85	13.98	44.03	4.85	0.90	-999
AGR-04-241	A161447	6.52	0.28	2.00	15.64	54.64	3.38	0.56	-999
AGR-04-241	A161448	6.46	0.16	2.10	15.68	54.83	3.36	0.53	-999
AGR-04-241	A161449	24.65	0.30	2.32	10.64	39.33	3.43	4.48	-999
AGR-04-241	A161450	25.78	0.31	2.22	10.14	37.04	3.97	4.79	-999
AGR-04-241	A161451	6.26	-0.02	1.67	14.47	59.02	2.60	0.53	-999
AGR-04-241	A161452	7.85	0.00	1.52	14.87	57.62	2.14	0.69	-999
AGR-04-241	A161453	8.80	-0.02	2.12	14.19	53.64	4.33	0.66	-999
AGR-04-241	A161454	4.67	-0.03	1.12	14.94	64.30	2.46	0.37	-999
AGR-04-241	A161455	3.37	-0.01	0.81	15.71	65.29	2.27	0.39	-999
AGR-04-241	A161456	2.93	-0.05	0.65	15.31	66.96	2.51	0.30	-999
AGR-04-241	A161457	3.98	0.02	0.91	15.91	63.95	2.22	0.36	-999
AGR-04-241	A161458	4.72	0.01	1.13	16.26	60.43	2.93	0.42	-999
AGR-04-241	A161459	4.44	0.02	1.20	15.02	63.78	2.84	0.45	-999
AGR-04-241	A161460	5.90	-0.01	1.15	15.73	61.85	2.58	0.50	-999
AGR-04-241	A161461	8.23	-0.03	1.31	15.17	57.04	2.15	0.55	-999
AGR-04-241	A161462	5.15	0.07	1.21	14.97	62.92	2.82	0.56	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-241	A161463	4.94	0.07	1.27	15.59	62.27	2.76	0.57	-999
AGR-04-241	A161464	5.86	0.09	1.52	15.70	58.97	3.01	0.61	-999
AGR-04-241	A161465	4.94	0.05	1.56	14.75	62.54	3.17	0.39	-999
AGR-04-241	A161466	4.36	0.00	1.00	15.04	65.34	3.03	0.38	-999
AGR-04-241	A161467	5.90	0.02	1.21	15.78	60.23	2.87	0.51	-999
AGR-04-241	A161468	8.17	0.04	1.19	15.75	55.49	2.91	0.64	-999
AGR-04-241	A161469	5.48	0.10	1.07	15.39	62.28	2.78	0.49	-999
AGR-04-241	A161470	11.36	-0.02	3.72	12.50	51.31	2.89	0.71	-999
AGR-04-241	A161471	5.01	0.13	1.28	15.78	61.09	3.10	0.44	-999
AGR-04-241	A161472	5.02	0.09	0.79	15.62	62.54	2.98	0.45	-999
AGR-04-241	A161473	5.08	0.11	0.83	15.38	63.65	3.11	0.45	-999
AGR-04-241	A161474	5.32	0.10	0.90	15.05	63.06	2.63	0.44	-999
AGR-04-241	A161475	4.54	0.06	0.95	14.69	65.65	2.75	0.40	-999
AGR-04-241	A161476	4.05	0.02	0.75	15.63	64.69	2.48	0.42	-999
AGR-04-241	A161477	3.49	-0.02	0.64	15.11	68.05	2.53	0.33	-999
AGR-04-241	A161478	4.07	0.00	0.84	15.20	66.14	2.76	0.35	-999
AGR-04-241	A161479	3.52	0.00	0.96	14.46	67.71	1.98	0.34	-999
AGR-04-241	A161480	4.94	0.03	1.08	15.13	64.30	2.57	0.46	-999
AGR-04-241	A161481	4.13	0.07	0.89	14.89	65.75	2.00	0.45	-999
AGR-04-241	A161482	4.70	0.04	0.91	14.79	65.41	2.28	0.44	-999
AGR-04-241	A161483	4.42	0.00	1.06	14.43	65.14	2.31	0.36	-999
AGR-04-241	A161484	6.53	0.14	1.15	14.54	59.95	3.43	0.50	-999
AGR-04-241	A161485	7.10	0.03	1.46	15.28	58.96	2.74	0.52	-999
AGR-04-241	A161486	9.18	0.08	2.64	14.45	53.69	2.69	0.68	-999
AGR-04-241	A161487	11.51	0.20	3.37	13.66	52.39	1.61	1.07	-999
AGR-04-241	A161488	13.20	0.24	2.61	14.50	47.35	2.67	1.20	-999
AGR-04-241	A161489	14.71	0.26	2.82	14.41	44.44	2.80	1.36	-999
AGR-04-241	A161490	11.17	0.29	2.39	15.08	48.31	3.09	0.87	-999
AGR-04-241	A161491	7.02	0.06	1.55	15.76	54.70	2.82	0.56	-999
AGR-04-241	A161492	8.26	0.07	1.97	16.11	51.25	2.85	0.62	-999
AGR-04-241	A161493	6.80	0.10	2.19	15.44	55.67	2.50	0.52	-999
AGR-04-241	A161494	7.66	0.06	3.25	14.42	55.36	1.33	0.56	-999
AGR-04-241	A161495	5.61	0.11	2.18	15.36	58.64	0.89	0.57	-999

Signature: 

Date: 1/11/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-241	A161496	5.07	0.11	1.99	14.40	61.26	0.83	0.55	-999
AGR-04-241	A161497	4.34	0.02	1.81	14.52	63.43	0.62	0.39	-999
AGR-04-241	A161498	7.38	0.11	2.68	15.56	54.97	1.07	0.64	-999
AGR-04-241	A161499	7.21	0.41	1.85	14.35	58.45	1.11	0.70	-999
AGR-04-241	A161500	5.09	0.20	1.06	13.98	61.99	0.75	0.36	-999
AGR-04-241	A161501	6.14	0.15	1.77	14.56	60.10	0.81	0.48	-999
AGR-04-241	A161502	3.22	-0.04	1.19	14.11	67.99	0.51	0.28	-999
AGR-04-241	A161503	6.02	0.02	1.90	14.28	61.18	0.64	0.50	-999
AGR-04-241	A161504	3.67	-0.02	1.28	15.10	65.15	0.49	0.34	-999
AGR-04-241	A161505	4.29	-0.01	1.42	14.54	65.18	0.73	0.33	-999
AGR-04-241	A161506	8.31	0.04	1.81	14.60	58.63	0.89	0.37	-999
AGR-04-241	A161507	5.71	-0.02	1.24	14.72	63.75	0.87	0.33	-999
AGR-04-241	A161508	3.28	-0.05	1.05	16.66	63.83	0.73	0.30	-999
AGR-04-241	A161509	5.40	0.11	1.79	15.40	59.79	1.64	0.53	-999
AGR-04-241	A161510	4.13	0.07	1.26	14.26	66.05	0.81	0.71	-999
AGR-04-241	A161511	3.01	0.11	1.06	14.40	66.40	0.71	0.39	-999
AGR-04-241	A161512	6.51	0.07	2.09	14.14	60.05	1.04	0.57	-999
AGR-04-241	A161513	4.72	0.06	1.51	15.02	62.52	1.23	0.47	-999
AGR-04-241	A161514	6.79	0.02	2.20	14.76	58.61	1.18	0.58	-999
AGR-04-241	A161515	6.24	0.03	1.80	13.94	61.56	1.28	0.54	-999
AGR-04-241	A161516	7.78	0.11	2.50	13.75	57.46	1.54	0.61	-999
AGR-04-241	A161517	6.23	0.01	1.87	14.88	59.15	1.59	0.53	-999
AGR-04-241	A161518	5.74	0.02	1.52	14.82	61.51	1.53	0.51	-999
AGR-04-241	A161519	3.25	-0.02	0.87	15.49	65.60	1.57	0.37	-999
AGR-04-241	A161520	4.09	0.01	1.14	14.99	63.98	1.16	0.39	-999
AGR-04-241	A161521	3.90	0.02	1.19	14.51	64.37	1.86	0.34	-999
AGR-04-241	A161522	3.73	0.02	1.16	15.10	63.57	1.88	0.40	-999
AGR-04-241	A161523	3.49	0.01	0.93	16.05	63.98	2.41	0.36	-999
AGR-04-241	A161524	6.27	0.05	1.38	17.02	55.78	2.97	0.53	-999
AGR-04-241	A161525	9.48	-0.02	1.78	15.19	53.21	2.32	0.77	-999
AGR-04-241	A161526	4.80	0.06	1.39	14.73	62.77	1.63	0.57	-999
AGR-04-241	A161527	5.74	0.02	1.76	14.60	60.65	1.44	0.57	-999
AGR-04-241	A161528	4.42	0.02	1.20	14.54	65.19	1.32	0.43	-999

Signature: 

Date: 12/1/07

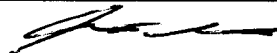
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-241	A161529	5.08	0.01	1.40	14.52	63.56	1.61	0.54	-999
AGR-04-241	A161530	7.89	0.02	2.18	14.35	57.75	1.60	0.68	-999
AGR-04-241	A161531	6.66	0.40	1.99	16.17	54.43	2.49	0.89	-999
AGR-04-241	A161532	6.77	0.06	1.73	15.11	56.99	1.90	0.64	-999
AGR-04-241	A161533	4.41	0.07	1.35	14.84	64.99	1.77	0.46	-999
AGR-04-241	A161534	5.65	0.08	1.47	16.16	59.06	2.52	0.55	-999
AGR-04-241	A161535	5.40	0.01	1.73	14.51	61.86	1.53	0.49	-999
AGR-04-241	A161536	13.50	0.19	3.00	13.10	48.00	2.31	1.10	-999
AGR-04-241	A161537	14.35	0.20	2.84	13.09	47.00	2.13	1.02	-999
AGR-04-241	A161538	8.39	0.14	2.33	14.91	53.10	2.16	0.80	-999
AGR-04-241	A161539	9.57	0.27	2.67	14.11	50.14	2.77	0.73	-999
AGR-04-241	A161540	4.59	0.00	2.12	14.40	61.63	1.45	0.59	-999
AGR-04-241	A161541	4.64	0.04	2.72	14.89	58.66	1.67	0.63	-999
AGR-04-241	A161542	5.39	0.01	2.33	14.40	59.75	1.92	0.46	-999
AGR-04-241	A161543	5.89	0.03	2.19	15.03	58.15	2.26	0.59	-999
AGR-04-241	A161544	6.28	0.15	2.01	15.26	57.42	2.53	0.58	-999
AGR-04-241	A161545	6.56	0.09	2.49	14.81	56.22	2.15	0.67	-999
AGR-04-241	A161546	5.36	0.02	2.38	14.80	59.19	1.66	0.56	-999
AGR-04-241	A161547	3.35	0.00	1.65	14.42	66.50	1.80	0.44	-999
AGR-04-241	A161548	6.42	0.03	2.16	14.83	58.75	1.84	0.53	-999
AGR-04-241	A161549	7.50	0.00	1.63	15.82	56.43	2.62	0.65	-999
AGR-04-241	A161550	7.50	0.03	2.01	15.06	56.78	1.93	0.62	-999
AGR-04-241	A161551	6.94	0.01	1.96	15.59	56.26	1.99	0.57	-999
AGR-04-241	A161552	9.43	0.02	2.69	14.33	52.56	2.09	0.75	-999
AGR-04-241	A161553	6.59	0.01	1.69	15.43	57.88	2.08	0.51	-999
AGR-04-241	A161554	5.62	-0.01	1.77	14.98	60.01	1.72	0.52	-999
AGR-04-241	A161555	4.25	-0.02	1.77	14.44	64.00	1.07	0.43	-999
AGR-04-241	A161556	5.84	0.07	2.54	14.46	58.14	1.53	0.56	-999
AGR-04-241	A161557	4.67	0.03	1.65	14.62	62.20	1.44	0.51	-999
AGR-04-241	A161558	4.89	-0.02	1.51	14.42	61.44	1.10	0.42	-999
AGR-04-241	A161559	8.35	0.00	2.32	14.22	53.00	2.79	0.64	-999
AGR-04-241	A161560	6.70	0.00	2.30	13.97	57.49	1.81	0.51	-999
AGR-04-241	A161561	7.85	0.96	3.36	12.87	52.84	2.49	0.51	-999

Signature: 

Date: 1/11/07

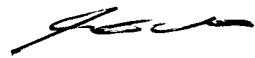
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-241	A161562	4.82	0.12	2.07	15.01	57.44	1.88	0.52	-999
AGR-04-241	A161563	2.98	-0.01	1.42	14.90	63.43	1.85	0.31	-999
AGR-04-241	A161564	3.56	0.07	1.75	14.96	61.47	1.92	0.42	-999
AGR-04-241	A161565	14.84	0.47	4.33	11.80	40.78	5.23	1.87	-999
AGR-04-241	A161566	14.72	0.45	4.65	11.86	40.35	4.90	1.84	-999
AGR-04-241	A161567	9.92	0.33	3.55	13.60	48.86	2.65	1.08	-999
AGR-04-241	A161568	7.17	0.33	3.15	14.61	50.40	3.43	0.66	-999
AGR-04-241	A161569	3.55	0.12	1.95	16.45	57.14	2.57	0.37	-999
AGR-04-241	A161570	3.26	0.07	1.73	16.04	59.37	2.38	0.33	-999
AGR-04-241	A161571	5.42	0.16	2.78	14.82	54.45	2.90	0.48	-999
AGR-04-241	A161572	5.98	0.23	2.92	14.73	52.94	3.54	0.58	-999
AGR-04-241	A161573	3.45	0.10	1.75	17.45	53.91	2.74	0.33	-999
AGR-04-241	A161574	2.16	0.05	1.18	15.56	61.46	3.37	0.20	-999
AGR-04-241	A161575	10.37	0.31	3.07	13.67	47.72	4.30	1.27	-999
AGR-04-241	A161576	8.75	0.29	2.99	14.13	49.96	3.74	0.99	-999
AGR-04-241	A161577	5.97	0.19	2.65	15.22	53.23	3.37	0.57	-999
AGR-04-241	A161578	4.50	0.07	2.35	15.97	55.88	4.25	0.36	-999
AGR-04-241	A161579	5.02	0.13	2.43	15.96	55.01	3.48	0.43	-999
AGR-04-241	A161580	4.34	0.03	2.10	16.55	56.01	4.08	0.31	-999
AGR-04-241	A161581	9.74	0.00	3.56	13.56	49.13	5.43	0.74	-999
AGR-04-241	A161582	16.48	0.44	5.09	10.10	39.28	4.90	2.15	-999
AGR-04-241	A161583	16.53	0.34	5.48	10.08	39.11	4.95	2.15	-999
AGR-04-241	A161584	6.43	0.02	2.64	14.32	54.80	3.63	0.55	-999
AGR-04-241	A161585	17.29	1.06	5.59	9.68	38.56	5.04	2.07	-999
AGR-04-241	A161586	17.54	1.31	5.72	9.28	38.42	5.41	2.08	-999
AGR-04-241	A161587	13.86	11.46	3.65	0.98	39.46	15.74	0.68	-999
AGR-04-241	A161588	15.28	12.72	3.49	0.74	38.84	16.69	0.84	-999
AGR-04-241	A161589	15.62	9.94	4.29	1.79	42.07	13.52	0.86	-999
AGR-04-241	A161590	13.81	8.18	5.74	2.23	30.89	18.78	1.03	-999
AGR-04-241	A161591	3.78	4.36	2.21	0.48	15.05	39.42	0.23	-999
AGR-04-241	A161592	2.00	2.33	1.95	0.23	17.61	39.70	0.12	-999
AGR-04-241	A161593	4.28	5.42	3.24	0.66	18.32	35.91	0.19	-999
AGR-04-241	A161594	2.51	2.77	2.18	0.20	12.80	42.30	0.15	-999

Signature: 

Date: 15/1/07

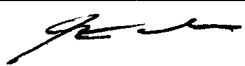
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-241	A161595	1.65	2.82	2.30	0.19	6.63	46.93	0.12	-999
AGR-04-241	A161596	2.40	2.87	2.72	0.24	2.45	48.68	0.17	-999
AGR-04-241	A161597	1.79	2.78	2.56	0.21	1.79	49.63	0.15	-999
AGR-04-241	A161598	3.47	3.88	4.16	0.44	3.90	45.68	0.24	-999
AGR-04-241	A161599	4.45	4.35	5.47	0.23	2.81	44.54	0.20	-999
AGR-04-241	A161600	7.08	3.83	11.50	0.34	2.95	35.08	0.18	-999
AGR-04-241	A161601	8.86	3.94	12.04	1.70	9.16	25.79	0.60	-999
AGR-04-241	A161602	10.06	4.25	12.66	2.07	10.29	22.84	0.71	-999
AGR-04-241	A161603	7.07	4.65	14.24	0.83	4.51	30.11	0.27	-999
AGR-04-241	A161604	5.34	5.58	10.50	0.32	3.34	37.99	0.18	-999
AGR-04-241	A161605	5.16	5.28	9.25	0.29	3.11	39.46	0.18	-999
AGR-04-241	A161606	5.96	4.71	15.45	0.17	1.99	33.71	0.13	-999
AGR-04-241	A161607	4.38	3.05	16.62	0.17	1.26	33.83	0.07	-999
AGR-04-241	A161608	5.72	4.31	13.84	0.28	2.55	34.79	0.15	-999

Signature: 

Date: 1/5/1/07

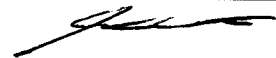
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-242	A161609	7.34	0.31	2.13	14.97	55.46	2.11	0.65	-999
AGR-04-242	A161610	3.45	0.04	1.04	16.05	65.01	2.67	0.35	-999
AGR-04-242	A161611	5.43	0.03	1.09	16.78	58.91	2.42	0.48	-999
AGR-04-242	A161612	7.91	0.04	1.37	15.48	55.74	2.35	0.64	-999
AGR-04-242	A161613	5.07	0.02	1.14	15.60	62.10	2.32	0.51	-999
AGR-04-242	A161614	2.87	0.01	0.83	15.17	67.82	1.94	0.35	-999
AGR-04-242	A161615	3.49	0.03	1.07	16.32	63.75	1.75	0.44	-999
AGR-04-242	A161616	2.86	-0.02	0.90	15.65	65.94	0.95	0.33	-999
AGR-04-242	A161617	3.98	0.01	0.99	16.14	63.55	1.33	0.45	-999
AGR-04-242	A161618	4.83	0.05	1.12	16.58	60.41	1.90	0.44	-999
AGR-04-242	A161619	8.52	0.18	1.30	16.22	53.25	1.98	0.77	-999
AGR-04-242	A161620	3.21	0.14	0.84	16.06	64.50	2.27	0.43	-999
AGR-04-242	A161621	4.65	0.00	0.70	15.11	64.80	1.87	0.38	-999
AGR-04-242	A161622	15.94	0.37	2.03	13.02	43.33	2.30	2.21	-999
AGR-04-242	A161623	16.37	0.46	2.39	14.00	43.66	1.58	2.89	-999
AGR-04-242	A161624	17.89	0.50	2.20	13.69	44.49	2.04	2.63	-999
AGR-04-242	A161625	21.59	0.57	1.57	13.32	41.70	1.73	2.53	-999
AGR-04-242	A161626	9.85	0.03	1.26	15.17	54.76	1.57	0.64	-999
AGR-04-242	A161627	4.33	0.05	1.06	16.22	63.24	1.68	0.50	-999
AGR-04-242	A161628	4.57	0.02	1.01	15.98	62.70	1.40	0.49	-999
AGR-04-242	A161629	2.94	-0.01	0.73	15.39	67.33	1.24	0.34	-999
AGR-04-242	A161630	3.65	0.05	0.95	16.27	64.85	1.90	0.45	-999
AGR-04-242	A161631	7.75	0.17	1.79	17.85	52.19	1.92	0.84	-999
AGR-04-242	A161632	5.40	0.05	0.95	14.94	64.80	0.70	0.39	-999
AGR-04-242	A161633	6.74	0.10	1.12	16.09	59.63	1.31	0.65	-999
AGR-04-242	A161634	5.32	0.25	1.10	17.76	58.15	2.33	0.84	-999
AGR-04-242	A161635	7.95	0.04	1.64	16.93	55.08	1.76	0.73	-999
AGR-04-242	A161636	5.27	0.17	1.06	17.99	58.43	2.18	0.73	-999
AGR-04-242	A161637	5.09	0.12	1.06	17.72	58.11	2.04	0.55	-999
AGR-04-242	A161638	6.32	0.21	1.53	18.59	53.72	2.65	0.70	-999
AGR-04-242	A161639	4.51	0.06	1.09	16.39	63.16	2.44	0.45	-999
AGR-04-242	A161640	4.33	0.09	0.94	17.07	63.34	2.33	0.45	-999
AGR-04-242	A161641	7.98	0.06	1.24	16.41	54.11	1.86	0.70	-999

Signature: 

Date: 1/11/07

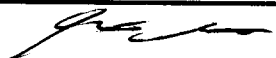
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-242	A161642	7.61	0.22	1.21	15.89	55.48	1.68	0.69	-999
AGR-04-242	A161643	9.66	0.05	1.06	16.18	52.80	1.75	0.72	-999
AGR-04-242	A161644	6.85	0.15	1.41	16.24	56.46	1.98	0.55	-999
AGR-04-242	A161645	17.10	0.26	1.73	13.22	47.51	2.40	3.25	-999
AGR-04-242	A161646	8.12	0.14	1.22	15.47	55.85	1.88	1.13	-999
AGR-04-242	A161647	19.10	0.37	1.68	12.73	46.40	1.97	3.77	-999
AGR-04-242	A161648	4.77	0.05	0.85	16.04	62.07	1.97	0.52	-999
AGR-04-242	A161649	2.38	-0.05	0.60	14.78	69.96	1.35	0.23	-999
AGR-04-242	A161650	4.22	0.08	0.94	15.79	64.86	2.55	0.44	-999
AGR-04-242	A161651	3.50	0.03	0.73	15.40	66.71	2.05	0.40	-999
AGR-04-242	A161652	3.26	0.00	0.81	16.10	66.39	2.22	0.34	-999
AGR-04-242	A161653	4.81	0.11	1.40	15.40	62.80	2.17	0.48	-999
AGR-04-242	A161654	4.59	0.01	0.90	15.26	64.86	1.94	0.43	-999
AGR-04-242	A161655	3.97	0.03	0.86	15.62	66.70	1.97	0.49	-999
AGR-04-242	A161656	4.34	0.10	0.83	16.28	64.02	2.15	0.47	-999
AGR-04-242	A161657	6.61	0.19	1.56	15.44	59.52	2.24	0.55	-999
AGR-04-242	A161658	9.34	0.18	1.14	18.24	54.57	1.73	0.86	-999
AGR-04-242	A161659	7.61	0.09	1.18	17.24	55.48	1.59	0.73	-999
AGR-04-242	A161660	5.99	0.12	0.88	17.22	59.37	1.64	0.66	-999
AGR-04-242	A161661	3.48	0.00	0.87	16.01	65.69	1.34	0.43	-999
AGR-04-242	A161662	6.18	0.08	1.56	15.57	61.53	1.10	0.79	-999
AGR-04-242	A161663	6.59	0.09	1.52	15.77	60.52	1.12	0.52	-999
AGR-04-242	A161664	3.71	-0.01	0.91	16.33	65.55	1.45	0.44	-999
AGR-04-242	A161665	4.01	-0.02	0.76	16.07	65.33	1.91	0.43	-999
AGR-04-242	A161666	5.48	0.03	2.19	14.53	62.00	1.24	0.50	-999
AGR-04-242	A161667	16.51	0.23	5.38	12.06	45.22	1.49	1.23	-999
AGR-04-242	A161668	5.60	0.11	2.03	14.81	60.97	0.75	0.47	-999
AGR-04-242	A161669	7.28	0.22	3.09	15.00	54.89	1.27	0.63	-999
AGR-04-242	A161670	5.93	0.19	2.52	16.09	57.09	1.50	0.55	-999
AGR-04-242	A161671	4.06	0.20	1.56	16.70	58.42	1.29	0.42	-999
AGR-04-242	A161672	4.52	0.19	1.53	15.72	59.72	1.32	0.41	-999
AGR-04-242	A161673	5.04	0.19	1.70	16.10	57.66	1.63	0.45	-999
AGR-04-242	A161674	7.81	0.36	1.88	16.18	50.00	2.54	0.74	-999

Signature: 

Date: 1/5/07

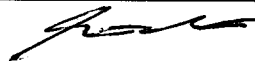
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-242	A161675	8.53	0.39	2.29	15.79	47.56	2.59	0.82	-999
AGR-04-242	A161676	5.29	0.11	1.40	16.27	56.79	2.01	0.53	-999
AGR-04-242	A161677	5.11	0.19	1.56	16.23	56.64	2.24	0.52	-999
AGR-04-242	A161678	7.34	0.33	2.13	15.44	52.14	2.26	0.88	-999
AGR-04-242	A161679	7.52	0.23	2.45	14.41	52.47	2.28	0.74	-999
AGR-04-242	A161680	5.21	0.24	1.89	16.12	54.57	2.13	0.52	-999
AGR-04-242	A161681	6.10	0.24	2.22	15.70	51.36	2.47	0.56	-999
AGR-04-242	A161682	4.59	0.13	1.78	16.18	55.66	2.61	0.39	-999
AGR-04-242	A161683	7.35	0.32	2.47	15.24	51.37	2.22	0.64	-999
AGR-04-242	A161684	7.77	0.32	2.75	14.80	50.92	2.41	0.71	-999
AGR-04-242	A161685	5.86	0.22	2.27	15.62	53.88	2.59	0.55	-999
AGR-04-242	A161686	5.64	0.20	2.13	15.29	55.46	2.59	0.53	-999
AGR-04-242	A161687	5.06	0.23	2.01	15.43	56.41	3.22	0.43	-999
AGR-04-242	A161688	12.91	3.45	6.70	10.32	38.17	5.43	0.94	-999
AGR-04-242	A161689	5.47	0.25	1.82	14.01	59.38	2.01	0.39	-999
AGR-04-242	A161690	4.89	-0.02	1.56	15.27	59.27	1.73	0.42	-999
AGR-04-242	A161691	5.02	0.01	2.01	14.56	57.67	1.97	0.52	-999
AGR-04-242	A161692	5.02	0.02	1.96	13.92	60.89	2.02	0.48	-999
AGR-04-242	A161693	4.41	0.00	1.53	13.96	63.00	2.22	0.42	-999
AGR-04-242	A161694	6.73	0.59	3.10	13.71	55.84	1.84	0.61	-999
AGR-04-242	A161695	3.57	0.03	1.37	17.15	58.58	1.72	0.30	-999
AGR-04-242	A161696	4.84	0.05	1.47	17.76	53.27	2.84	0.40	-999
AGR-04-242	A161697	5.26	0.09	1.59	15.94	56.04	3.07	0.48	-999
AGR-04-242	A161698	4.64	0.07	1.57	16.02	57.08	2.27	0.48	-999
AGR-04-242	A161699	17.50	0.36	4.30	10.26	39.83	3.79	2.35	-999
AGR-04-242	A161700	16.86	0.38	4.67	9.93	38.48	4.23	2.31	-999
AGR-04-242	A161701	15.93	0.49	5.54	10.69	41.42	2.57	2.12	-999
AGR-04-242	A161702	7.66	0.01	2.58	18.06	48.55	2.39	0.64	-999
AGR-04-242	A161703	13.06	0.28	3.64	11.73	43.56	4.20	1.71	-999
AGR-04-242	A161704	8.50	0.22	3.56	13.81	52.03	2.39	0.93	-999
AGR-04-242	A161705	5.34	0.09	1.83	15.78	55.72	2.95	0.55	-999
AGR-04-242	A161706	4.78	0.05	1.66	15.34	56.86	3.70	0.47	-999
AGR-04-242	A161707	3.94	0.00	1.79	20.31	54.31	2.98	0.32	-999

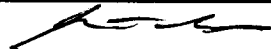
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Date: 1/11/07

Name: Steven Clinton

Title: Laboratory Supervisor

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-242	A161708	2.71	-0.08	1.26	20.57	56.88	2.35	0.18	-999
AGR-04-242	A161709	4.76	-0.01	1.61	15.95	59.05	3.74	0.52	-999
AGR-04-242	A161710	4.51	0.03	1.82	16.81	56.24	2.85	0.37	-999

Signature: 

Date: 15/1/07

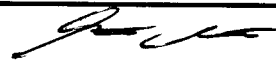
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-243	A161711	4.71	0.09	1.18	16.16	62.77	1.30	0.47	-999
AGR-04-243	A161712	5.10	0.03	1.28	16.81	61.70	1.21	0.50	-999
AGR-04-243	A161713	5.79	0.13	1.37	16.91	61.44	0.91	0.67	-999
AGR-04-243	A161714	5.47	0.19	1.33	18.00	59.59	1.19	0.76	-999
AGR-04-243	A161715	7.65	0.06	1.49	17.02	56.68	1.14	0.68	-999
AGR-04-243	A161716	6.60	0.28	1.33	17.60	57.33	1.38	0.83	-999
AGR-04-243	A161717	4.67	0.06	1.09	17.57	60.95	1.14	0.48	-999
AGR-04-243	A161718	4.56	0.05	1.07	17.08	63.48	1.08	0.49	-999
AGR-04-243	A161719	4.38	0.05	1.21	17.54	61.42	0.90	0.52	-999
AGR-04-243	A161720	5.37	0.03	1.52	16.10	62.15	0.91	0.44	-999
AGR-04-243	A161721	3.96	0.00	1.17	15.19	65.64	0.58	0.37	-999
AGR-04-243	A161722	3.58	-0.01	1.23	15.49	65.13	0.56	0.36	-999
AGR-04-243	A161723	5.14	0.34	1.45	16.02	60.59	0.97	0.48	-999
AGR-04-243	A161724	6.15	0.05	1.40	16.27	61.20	0.89	0.40	-999
AGR-04-243	A161725	4.27	0.03	1.32	16.73	61.96	0.73	0.38	-999
AGR-04-243	A161726	5.55	0.19	1.28	15.99	59.48	0.98	0.54	-999
AGR-04-243	A161727	5.97	0.02	1.68	15.58	60.24	0.92	0.44	-999
AGR-04-243	A161728	7.22	0.11	1.98	15.87	57.57	1.00	0.61	-999
AGR-04-243	A161729	5.08	0.07	1.24	15.16	64.41	0.99	0.47	-999
AGR-04-243	A161730	6.19	0.06	1.77	16.66	58.57	1.36	0.55	-999
AGR-04-243	A161731	8.61	0.14	2.51	16.18	53.96	1.38	0.68	-999
AGR-04-243	A161732	6.18	0.07	1.68	16.31	56.81	2.18	0.53	-999
AGR-04-243	A161733	8.79	0.14	1.75	16.97	53.67	1.57	0.77	-999
AGR-04-243	A161734	6.76	0.04	1.84	16.66	56.91	1.14	0.57	-999
AGR-04-243	A161735	7.60	0.05	2.61	15.83	55.95	1.07	0.63	-999
AGR-04-243	A161736	6.54	0.15	2.33	16.02	56.38	0.99	0.60	-999
AGR-04-243	A161737	6.68	0.28	2.76	16.15	53.11	1.06	0.56	-999
AGR-04-243	A161738	6.85	0.28	2.81	15.92	53.74	1.13	0.59	-999
AGR-04-243	A161739	6.76	0.35	2.57	15.80	54.52	1.45	0.61	-999
AGR-04-243	A161740	5.88	0.35	2.00	15.17	57.53	1.69	0.55	-999
AGR-04-243	A161741	7.58	0.42	2.63	15.32	53.41	1.79	0.75	-999
AGR-04-243	A161742	6.93	0.31	2.92	15.29	54.61	1.53	0.63	-999
AGR-04-243	A161743	6.42	0.33	2.58	15.71	54.61	1.69	0.55	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-243	A161744	16.22	0.49	2.97	13.71	44.59	1.78	2.64	-999
AGR-04-243	A161745	4.76	0.14	1.57	17.42	55.05	1.46	0.39	-999
AGR-04-243	A161746	7.09	0.29	2.45	15.27	55.14	1.53	0.62	-999
AGR-04-243	A161747	7.30	0.36	2.69	15.21	53.13	2.10	0.77	-999
AGR-04-243	A161748	3.62	0.74	1.94	11.82	58.64	6.15	0.27	-999
AGR-04-243	A161749	4.82	1.56	3.12	10.00	45.72	12.08	0.33	-999
AGR-04-243	A161750	5.27	0.37	2.22	14.98	54.52	3.30	0.48	-999
AGR-04-243	A161751	5.35	0.67	1.68	13.75	57.52	3.95	0.43	-999
AGR-04-243	A161752	4.84	0.92	1.63	13.02	56.69	5.39	0.41	-999
AGR-04-243	A161753	3.75	0.42	1.07	14.77	62.20	2.60	0.28	-999
AGR-04-243	A161754	3.67	0.82	1.17	13.71	60.64	3.97	0.26	-999
AGR-04-243	A161755	6.26	0.47	2.21	15.33	55.84	1.85	0.56	-999
AGR-04-243	A161756	3.71	0.67	1.51	13.98	57.46	4.77	0.26	-999
AGR-04-243	A161757	3.96	0.51	1.46	14.21	59.90	3.48	0.27	-999
AGR-04-243	A161758	5.80	0.37	2.49	15.80	54.36	1.80	0.47	-999
AGR-04-243	A161759	6.36	0.36	2.65	15.53	54.14	1.60	0.51	-999
AGR-04-243	A161760	5.68	0.34	1.99	15.88	55.00	2.26	0.43	-999
AGR-04-243	A161761	8.42	0.68	3.15	14.81	50.29	2.16	0.58	-999
AGR-04-243	A161762	6.58	0.57	2.11	16.90	50.22	2.34	0.54	-999
AGR-04-243	A161763	3.70	0.13	1.06	17.61	53.91	2.36	0.24	-999
AGR-04-243	A161764	3.46	0.17	1.23	18.00	53.62	2.79	0.31	-999
AGR-04-243	A161765	2.33	0.08	0.75	18.59	55.81	2.08	0.19	-999
AGR-04-243	A161766	8.19	0.78	2.77	15.12	47.36	2.78	0.78	-999
AGR-04-243	A161767	6.92	0.62	1.90	15.03	49.50	3.86	0.54	-999
AGR-04-243	A161768	8.44	1.11	2.33	13.42	47.43	5.06	0.62	-999
AGR-04-243	A161769	11.97	2.02	2.73	11.20	42.65	6.07	0.88	-999
AGR-04-243	A161770	6.01	0.33	1.60	16.09	51.00	3.34	0.65	-999
AGR-04-243	A161771	9.96	0.28	2.16	13.69	47.30	3.38	1.02	-999
AGR-04-243	A161772	3.51	0.14	0.97	13.50	64.35	3.03	0.30	-999
AGR-04-243	A161773	3.70	0.16	0.89	14.43	65.66	1.73	0.31	-999
AGR-04-243	A161774	5.26	0.15	1.99	14.89	55.24	4.21	0.51	-999
AGR-04-243	A161775	5.89	0.24	2.46	14.46	52.39	4.88	0.60	-999
AGR-04-243	A161776	6.04	0.18	2.11	14.77	52.21	3.86	0.55	-999

Signature: 

Date: 15/1/07

Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-243	A161777	5.40	0.10	2.32	14.61	54.11	3.93	0.39	-999
AGR-04-243	A161778	5.06	0.17	2.12	15.08	54.53	3.92	0.46	-999
AGR-04-243	A161779	7.71	0.15	3.65	14.77	48.64	5.11	0.69	-999
AGR-04-243	A161780	7.29	0.10	3.37	15.11	48.46	4.27	0.61	-999
AGR-04-243	A161781	8.19	0.17	3.64	14.66	46.26	4.98	0.65	-999
AGR-04-243	A161782	8.36	0.18	3.91	14.70	46.75	5.40	0.69	-999
AGR-04-243	A161783	7.69	0.14	3.33	14.33	51.19	4.52	0.62	-999
AGR-04-243	A161784	6.10	0.12	3.07	15.68	50.11	4.40	0.45	-999
AGR-04-243	A161785	5.95	0.14	3.16	15.96	50.04	4.14	0.52	-999
AGR-04-243	A161786	11.63	1.30	4.87	13.98	39.33	6.86	1.39	-999
AGR-04-243	A161787	6.19	0.13	3.72	16.03	48.82	4.69	0.35	-999
AGR-04-243	A161788	10.44	0.17	6.66	12.20	41.58	6.82	0.67	-999
AGR-04-243	A161789	4.88	0.12	2.41	16.42	50.82	4.73	0.49	-999
AGR-04-243	A161790	4.77	0.17	3.32	16.40	49.61	4.77	0.43	-999
AGR-04-243	A161791	7.61	0.34	8.15	11.78	43.51	7.24	0.46	-999
AGR-04-243	A161792	4.70	0.06	3.24	17.93	48.79	5.82	0.31	-999
AGR-04-243	A161793	4.62	0.19	3.23	17.13	49.05	5.32	0.39	-999
AGR-04-243	A161794	7.20	0.10	5.90	14.52	43.35	6.82	0.52	-999
AGR-04-243	A161795	7.32	0.11	5.54	14.65	44.37	6.19	0.52	-999
AGR-04-243	A161796	2.86	0.07	1.64	17.99	53.12	4.54	0.24	-999
AGR-04-243	A161797	4.83	0.10	2.90	16.43	51.09	4.33	0.36	-999
AGR-04-243	A161798	4.64	0.04	2.64	17.37	50.99	4.24	0.42	-999

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Date: 15/1/07

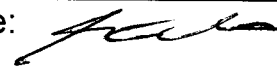
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-244	A161799	5.98	0.34	3.79	14.28	51.83	4.92	0.52	-999
AGR-04-244	A161800	5.49	0.24	3.06	14.85	54.67	3.98	0.50	-999
AGR-04-244	A161801	6.41	0.48	3.40	14.53	50.33	3.47	0.68	-999
AGR-04-244	A161802	6.22	0.35	3.50	14.51	51.88	4.25	0.57	-999
AGR-04-244	A161803	5.57	0.25	3.08	13.42	58.17	2.03	0.50	-999
AGR-04-244	A161804	4.84	0.17	1.62	14.87	58.87	2.51	0.41	-999
AGR-04-244	A161805	3.35	0.10	1.52	16.17	59.62	3.04	0.33	-999
AGR-04-244	A161806	6.09	0.20	2.44	14.79	54.34	3.05	0.53	-999
AGR-04-244	A161807	5.64	0.20	2.23	15.76	53.79	3.45	0.50	-999
AGR-04-244	A161808	6.88	0.35	2.87	15.25	51.34	3.81	0.63	-999
AGR-04-244	A161809	6.80	0.36	3.08	14.76	51.61	4.43	0.56	-999
AGR-04-244	A161810	6.44	0.27	2.12	14.98	54.02	3.68	0.43	-999
AGR-04-244	A161811	8.69	0.34	2.90	14.14	49.77	3.56	0.65	-999
AGR-04-244	A161812	6.10	0.32	2.79	15.10	53.90	3.15	0.62	-999
AGR-04-244	A161813	7.15	0.25	3.28	13.48	54.54	2.16	0.65	-999
AGR-04-244	A161814	8.13	0.43	3.62	13.08	53.49	1.75	0.67	-999
AGR-04-244	A161815	7.40	0.07	2.75	13.76	54.53	1.95	0.62	-999
AGR-04-244	A161816	6.12	0.06	2.32	13.87	59.93	1.76	0.50	-999
AGR-04-244	A161817	4.68	0.03	1.91	14.13	61.98	1.96	0.45	-999
AGR-04-244	A161818	4.56	0.03	1.62	14.22	62.96	2.34	0.41	-999
AGR-04-244	A161819	7.86	0.07	2.60	13.62	55.66	1.83	0.61	-999
AGR-04-244	A161820	5.81	0.09	2.14	13.91	60.27	2.79	0.49	-999
AGR-04-244	A161821	7.11	0.02	2.68	13.90	56.61	2.89	0.60	-999
AGR-04-244	A161822	5.64	0.02	2.08	14.08	61.07	2.43	0.48	-999
AGR-04-244	A161823	6.36	0.02	2.40	14.09	60.13	2.05	0.57	-999
AGR-04-244	A161824	6.96	0.00	2.58	13.97	58.80	2.30	0.55	-999
AGR-04-244	A161825	6.87	0.12	2.47	14.73	55.67	2.57	0.60	-999
AGR-04-244	A161826	3.56	0.01	1.33	16.89	59.19	2.56	0.35	-999
AGR-04-244	A161827	9.73	0.38	2.25	14.09	51.20	2.68	1.08	-999
AGR-04-244	A161828	5.65	0.04	2.00	14.53	60.57	2.05	0.47	-999
AGR-04-244	A161829	4.72	0.06	1.77	14.57	63.31	2.32	0.47	-999
AGR-04-244	A161830	5.66	0.13	2.03	15.39	59.29	1.92	0.56	-999
AGR-04-244	A161831	6.03	0.37	1.58	13.87	60.43	1.73	0.59	-999

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Date: 15/1/07

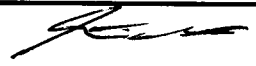
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-244	A161832	4.37	0.79	1.55	14.19	61.43	2.39	0.45	-999
AGR-04-244	A161833	3.00	-0.01	1.08	15.32	65.45	1.61	0.28	-999
AGR-04-244	A161834	6.33	0.10	2.50	15.37	56.43	2.34	0.49	-999
AGR-04-244	A161835	8.44	0.07	2.63	14.71	53.19	2.12	0.69	-999
AGR-04-244	A161836	6.52	0.04	2.42	15.71	56.24	2.16	0.62	-999
AGR-04-244	A161837	4.43	0.03	1.89	14.55	63.76	1.13	0.47	-999
AGR-04-244	A161838	3.13	0.08	1.24	14.92	64.36	1.88	0.28	-999
AGR-04-244	A161839	6.40	0.21	2.02	14.11	59.58	1.98	0.58	-999
AGR-04-244	A161840	5.48	0.21	2.24	13.94	60.11	1.82	0.51	-999
AGR-04-244	A161841	4.23	0.13	1.67	14.13	64.45	1.80	0.41	-999
AGR-04-244	A161842	6.17	0.15	2.50	14.12	58.41	1.91	0.52	-999
AGR-04-244	A161843	7.43	0.26	2.54	13.99	55.97	2.47	0.72	-999
AGR-04-244	A161844	4.76	0.08	1.85	14.37	61.62	2.03	0.44	-999
AGR-04-244	A161845	5.52	0.07	2.01	13.93	61.64	2.12	0.46	-999
AGR-04-244	A161846	4.05	0.04	1.49	10.18	41.39	1.08	0.31	-999
AGR-04-244	A161847	4.66	0.07	1.88	14.64	60.56	1.50	0.45	-999
AGR-04-244	A161848	3.21	0.06	1.50	15.25	62.65	1.80	0.36	-999
AGR-04-244	A161849	6.38	0.21	1.97	9.22	38.37	1.18	0.51	-999
AGR-04-244	A161850	15.74	0.34	4.73	11.09	43.78	2.71	2.06	-999
AGR-04-244	A161851	16.76	0.47	5.34	10.71	42.86	2.49	2.12	-999
AGR-04-244	A161852	16.79	0.46	4.91	10.65	44.60	2.47	2.03	-999
AGR-04-244	A161853	17.01	0.37	4.28	10.69	47.14	2.31	1.99	-999
AGR-04-244	A161854	4.79	0.03	3.00	15.01	63.18	1.10	0.39	-999
AGR-04-244	A161855	4.44	-0.01	3.61	14.89	64.25	1.19	0.37	-999
AGR-04-244	A161856	3.59	0.00	3.33	14.81	65.29	1.18	0.32	-999
AGR-04-244	A161857	15.41	0.32	5.85	11.48	44.72	2.09	1.95	-999
AGR-04-244	A161858	15.61	0.40	6.22	11.26	43.87	2.18	1.87	-999
AGR-04-244	A161859	9.48	0.36	3.98	13.11	54.17	1.70	1.11	-999
AGR-04-244	A161860	15.40	0.34	5.69	10.83	43.91	3.05	2.46	-999
AGR-04-244	A161861	16.16	0.43	5.31	11.15	44.04	2.79	2.26	-999
AGR-04-244	A161862	15.26	0.55	5.31	11.47	44.24	2.70	1.98	-999
AGR-04-244	A161863	14.69	0.39	5.78	11.80	43.53	2.23	2.02	-999
AGR-04-244	A161864	6.66	0.10	3.35	14.38	58.69	1.34	0.57	-999

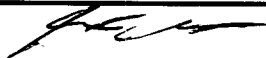
Signature: 

Date: 15/1/07

Name: Steven Clinton

Title: Laboratory Supervisor

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-244	A161865	9.07	0.06	3.80	14.33	54.86	1.35	0.60	-999
AGR-04-244	A161866	9.82	0.54	4.06	12.48	54.05	2.13	1.07	-999

Signature: 
Date: 15/1/07
Name: Steven Clinton
Title: Laboratory Supervisor

assessment assays

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-245	A161931	6.46	0.39	3.98	13.93	50.53	4.32	0.61	-999
AGR-04-245	A161932	5.23	0.29	2.82	10.50	33.04	3.28	0.44	-999
AGR-04-245	A161933	7.81	0.39	5.04	13.80	45.94	5.50	0.70	-999
AGR-04-245	A161934	4.92	0.30	2.68	11.10	33.78	3.28	0.37	-999
AGR-04-245	A161935	5.46	0.17	2.86	14.48	56.02	2.43	0.52	-999
AGR-04-245	A161936	4.52	0.06	1.89	10.70	38.87	1.32	0.36	-999
AGR-04-245	A161937	5.20	0.15	2.45	14.92	57.67	2.72	0.50	-999
AGR-04-245	A161938	7.82	0.27	3.00	14.87	50.58	3.63	0.66	-999
AGR-04-245	A161939	7.38	0.38	3.04	14.91	51.24	3.66	0.69	-999
AGR-04-245	A161940	7.20	0.37	3.22	14.67	51.06	4.25	0.63	-999
AGR-04-245	A161941	4.59	0.22	2.16	15.44	57.12	2.99	0.44	-999
AGR-04-245	A161942	5.56	0.21	2.83	14.60	57.21	1.64	0.47	-999
AGR-04-245	A161943	4.42	0.08	1.84	10.87	39.73	1.04	0.31	-999
AGR-04-245	A161944	6.73	0.08	2.70	14.07	57.72	1.94	0.57	-999
AGR-04-245	A161945	8.77	0.11	2.52	12.97	57.00	1.83	0.61	-999
AGR-04-245	A161946	7.55	0.03	2.14	13.82	59.08	2.13	0.60	-999
AGR-04-245	A161947	5.36	0.00	1.27	10.67	39.87	1.69	0.35	-999
AGR-04-245	A161948	6.03	0.04	2.06	14.10	60.98	2.03	0.51	-999
AGR-04-245	A161949	4.84	0.03	1.45	13.90	63.28	1.81	0.42	-999
AGR-04-245	A161950	7.04	-0.01	0.62	10.61	36.70	0.74	0.25	-999
AGR-04-245	A161951	4.59	0.53	0.89	15.03	60.57	1.94	0.26	-999
AGR-04-245	A161952	9.89	0.25	1.94	14.72	53.20	1.57	0.58	-999
AGR-04-245	A161953	8.99	0.13	2.12	13.93	55.44	1.56	0.57	-999
AGR-04-245	A161954	11.55	1.91	2.31	13.38	47.89	4.22	0.79	-999
AGR-04-245	A161955	8.47	1.12	2.13	13.18	54.69	2.98	0.52	-999
AGR-04-245	A161956	7.69	1.65	1.84	12.97	55.22	3.34	0.52	-999
AGR-04-245	A161957	16.27	0.34	4.05	11.37	45.30	2.29	1.90	-999
AGR-04-245	A161958	16.15	0.31	4.14	10.88	44.13	3.06	2.14	-999
AGR-04-245	A161959	15.19	0.28	4.01	11.32	45.28	3.02	1.94	-999
AGR-04-245	A161960	13.44	0.41	3.78	11.49	48.77	3.51	1.37	-999
AGR-04-245	A161961	5.71	0.11	2.35	13.54	58.99	1.55	0.50	-999
AGR-04-245	A161962	9.17	0.30	3.12	13.06	52.08	2.90	0.74	-999
AGR-04-245	A161963	15.24	0.45	3.82	11.80	45.31	3.54	1.44	-999

Signature:



Date:

15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-245	A161964	4.60	0.15	2.31	14.15	62.09	1.41	0.45	-999
AGR-04-245	A161965	9.55	0.17	3.55	13.38	55.08	1.66	0.64	-999
AGR-04-245	A161966	6.81	0.04	3.22	14.88	56.33	1.37	0.47	-999
AGR-04-245	A161967	7.41	0.00	3.12	14.79	58.88	1.38	0.45	-999
AGR-04-245	A161968	6.75	0.03	3.22	14.56	59.80	1.41	0.45	-999
AGR-04-245	A161969	8.62	0.01	3.76	14.67	57.32	1.21	0.53	-999
AGR-04-245	A161970	17.33	-0.02	1.74	5.50	58.77	0.60	0.20	-999
AGR-04-245	A161971	9.37	0.17	3.63	14.19	56.34	1.40	0.47	-999
AGR-04-245	A161972	6.99	0.01	3.59	15.06	59.49	1.00	0.44	-999
AGR-04-245	A161973	7.26	0.02	3.54	14.99	59.56	1.04	0.45	-999
AGR-04-245	A161974	6.68	0.00	3.42	14.51	61.61	1.24	0.42	-999
AGR-04-245	A161975	5.79	0.00	3.30	15.50	60.93	1.03	0.40	-999
AGR-04-245	A161976	6.73	-0.01	3.27	14.61	60.78	1.26	0.38	-999
AGR-04-245	A161977	8.08	0.07	3.61	13.53	59.12	1.71	0.48	-999
AGR-04-245	A161978	9.35	0.14	3.84	13.84	57.64	1.46	0.65	-999
AGR-04-245	A161979	7.00	0.00	3.39	15.02	60.94	1.24	0.49	-999
AGR-04-245	A161980	9.08	-0.02	3.15	14.59	59.94	1.12	0.51	-999
AGR-04-245	A161981	9.19	0.00	3.18	14.62	58.81	1.09	0.52	-999
AGR-04-245	A161982	6.18	-0.02	2.72	15.81	61.84	0.97	0.37	-999
AGR-04-245	A161983	10.02	0.09	2.69	14.82	56.68	1.30	0.44	-999
AGR-04-245	A161984	10.81	0.19	2.46	15.67	54.64	1.57	0.45	-999
AGR-04-245	A161985	18.01	1.05	2.20	10.34	50.38	2.84	0.44	-999
AGR-04-245	A161986	15.31	13.92	1.23	3.27	30.75	20.36	2.05	-999
AGR-04-245	A161987	14.34	14.89	0.66	1.60	36.51	20.68	0.77	-999
AGR-04-245	A161988	21.59	16.20	0.72	1.47	26.62	21.80	1.73	-999
AGR-04-245	A161989	8.30	12.26	0.38	0.92	52.07	16.48	0.54	-999
AGR-04-245	A161990	13.42	11.19	0.54	2.42	45.42	14.35	1.46	-999
AGR-04-245	A161991	6.08	2.12	-0.01	0.15	84.93	2.87	0.32	-999
AGR-04-245	A161992	14.91	4.30	0.24	2.08	60.51	5.40	0.93	-999
AGR-04-245	A161993	11.58	2.14	0.02	0.19	78.04	2.80	0.33	-999
AGR-04-245	A161994	9.55	3.58	0.07	0.52	75.22	4.64	0.43	-999
AGR-04-245	A161995	6.48	2.79	0.04	0.26	83.24	3.84	0.55	-999
AGR-04-245	A161996	9.97	2.94	0.07	0.14	78.59	4.02	0.47	-999

Signature: 

Date: 1/5/07

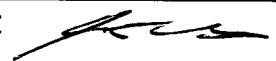
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-245	A161997	30.66	3.02	0.13	0.26	47.29	2.93	0.33	-999
AGR-04-245	A161998	25.55	17.18	0.29	0.68	25.09	21.55	1.58	-999
AGR-04-245	A161999	24.46	13.94	0.25	0.64	32.35	17.14	1.28	-999
AGR-04-245	A162000	20.27	8.67	0.16	0.35	48.06	11.02	0.72	-999
AGR-04-245	A162001	10.70	2.71	0.01	0.17	77.41	3.64	0.29	-999
AGR-04-245	A162002	11.67	4.08	0.10	0.34	70.78	5.57	0.39	-999
AGR-04-245	A162003	9.16	3.69	0.41	4.13	68.48	5.33	0.46	-999
AGR-04-245	A162004	15.05	18.46	0.38	3.44	26.41	24.38	1.42	-999
AGR-04-245	A162005	16.39	28.88	0.26	0.86	7.81	38.08	1.28	-999
AGR-04-245	A162006	11.69	11.21	0.26	1.04	51.88	14.80	0.82	-999
AGR-04-245	A162007	8.07	3.51	0.22	0.71	77.47	4.81	0.41	-999
AGR-04-245	A162008	7.70	2.30	0.69	1.24	80.34	3.44	0.58	-999
AGR-04-245	A162009	21.34	6.45	2.43	2.38	41.15	9.73	0.71	-999
AGR-04-245	A162010	19.66	9.21	5.50	3.24	28.28	13.88	0.79	-999
AGR-04-245	A162011	30.48	0.07	5.94	6.69	32.90	2.86	5.23	-999
AGR-04-245	A162012	31.06	2.77	5.22	5.16	26.73	5.25	2.85	-999
AGR-04-245	A162013	22.80	3.59	4.59	6.37	36.09	7.34	4.64	-999
AGR-04-245	A162014	19.69	5.41	6.02	8.07	33.22	9.11	4.02	-999
AGR-04-245	A162015	17.19	28.74	0.59	0.94	7.53	38.46	1.02	-999
AGR-04-245	A162016	28.30	9.77	1.72	4.41	24.72	13.39	2.41	-999
AGR-04-245	A162017	11.37	12.63	0.69	1.93	46.30	16.82	1.10	-999
AGR-04-245	A162018	25.68	13.72	0.48	2.89	26.67	16.76	2.20	-999
AGR-04-245	A162019	8.11	4.03	0.23	1.35	74.96	5.63	0.47	-999
AGR-04-245	A162020	7.24	2.90	0.18	0.84	78.98	3.93	0.44	-999
AGR-04-245	A162021	5.47	1.12	0.12	0.65	86.59	1.57	0.31	-999
AGR-04-245	A162022	7.54	0.41	0.10	1.14	86.69	0.49	0.70	-999
AGR-04-245	A162023	10.02	2.27	0.20	2.02	76.22	2.82	1.49	-999
AGR-04-245	A162024	7.96	6.66	0.23	0.66	67.08	8.38	0.77	-999
AGR-04-245	A162025	9.06	5.90	0.21	0.30	70.09	7.71	0.47	-999
AGR-04-245	A162026	8.44	6.25	0.17	0.47	70.42	8.18	0.54	-999
AGR-04-245	A162027	7.54	6.33	0.16	0.27	70.57	8.41	0.41	-999
AGR-04-245	A162028	8.15	4.31	0.12	0.27	76.48	5.70	0.47	-999
AGR-04-245	A162029	7.42	8.08	0.16	0.42	66.00	10.47	0.52	-999

Signature: 

Date: 1/11/07


Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-245	A162030	6.32	5.25	0.10	0.27	75.10	6.99	0.41	-999
AGR-04-245	A162031	7.02	8.35	0.13	0.28	66.21	10.82	0.47	-999
AGR-04-245	A162032	6.03	7.72	0.10	0.37	69.19	10.03	0.43	-999
AGR-04-245	A162033	3.93	4.51	0.08	0.55	81.23	6.06	0.20	-999
AGR-04-245	A162034	6.89	4.92	0.17	2.65	73.28	6.25	0.78	-999
AGR-04-245	A162035	6.36	7.36	0.15	0.48	70.03	9.64	0.39	-999
AGR-04-245	A162036	6.40	6.52	0.18	0.51	71.93	8.52	0.28	-999
AGR-04-245	A162037	6.11	4.32	0.18	0.55	79.01	5.80	0.44	-999
AGR-04-245	A162038	7.72	6.38	0.17	0.59	70.61	8.21	0.48	-999
AGR-04-245	A162039	12.78	5.00	0.18	0.49	67.53	6.51	0.92	-999
AGR-04-245	A162040	15.60	4.06	0.20	0.54	66.32	5.31	1.17	-999
AGR-04-245	A162041	7.69	8.43	0.20	0.89	65.28	10.55	0.39	-999
AGR-04-245	A162042	8.42	7.50	0.16	0.45	67.40	9.56	0.42	-999
AGR-04-245	A162043	12.00	11.91	0.27	0.75	52.06	15.11	0.65	-999
AGR-04-245	A162044	12.65	11.64	0.25	0.71	51.70	14.97	0.71	-999
AGR-04-245	A162045	13.00	12.51	0.29	0.64	49.93	15.89	0.72	-999
AGR-04-245	A162046	9.87	13.48	0.27	0.56	51.99	17.36	0.63	-999
AGR-04-245	A162047	24.12	11.25	0.33	1.14	42.73	14.24	1.63	-999
AGR-04-245	A162048	8.97	13.15	0.29	0.80	53.43	17.03	0.54	-999
AGR-04-245	A162049	14.19	14.86	0.28	0.56	42.86	18.99	0.69	-999
AGR-04-245	A162050	6.45	4.98	0.20	0.23	75.81	6.63	0.22	-999
AGR-04-245	A162051	13.55	24.79	0.34	1.58	18.96	32.09	1.04	-999
AGR-04-245	A162052	10.05	21.02	0.33	1.13	31.28	26.95	0.65	-999
AGR-04-245	A162053	11.42	9.96	0.28	1.00	54.60	12.80	0.36	-999
AGR-04-245	A162054	15.14	10.32	0.35	1.23	51.98	13.20	1.27	-999
AGR-04-245	A162055	12.74	13.92	0.31	0.83	44.48	17.64	0.93	-999
AGR-04-245	A162056	9.50	10.23	0.25	0.63	58.70	13.24	0.67	-999
AGR-04-245	A162057	10.03	9.82	0.23	0.47	58.94	12.64	0.60	-999
AGR-04-245	A162058	7.01	7.59	0.22	0.58	67.57	9.99	0.39	-999
AGR-04-245	A162059	14.44	13.30	0.22	0.39	47.35	17.02	0.55	-999
AGR-04-245	A162060	13.85	7.88	0.21	0.68	58.08	10.04	0.53	-999
AGR-04-245	A162061	5.67	5.74	0.13	0.21	74.78	7.65	0.18	-999
AGR-04-245	A162062	14.61	7.71	0.21	0.20	60.33	10.14	0.46	-999

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Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-245	A162063	8.86	7.54	0.15	0.36	66.19	9.84	0.43	-999
AGR-04-245	A162064	6.73	4.82	0.10	0.20	76.78	6.43	0.26	-999
AGR-04-245	A162065	19.12	4.41	0.11	0.16	58.37	5.13	0.12	-999
AGR-04-245	A162066	6.68	5.65	0.11	0.23	74.00	7.46	0.19	-999
AGR-04-245	A162067	29.51	13.16	0.26	0.40	28.97	16.05	0.22	-999
AGR-04-245	A162068	28.19	4.65	0.17	0.17	49.53	5.28	0.29	-999
AGR-04-245	A162069	15.95	7.81	0.16	0.29	57.84	9.84	0.53	-999
AGR-04-245	A162070	10.31	6.99	0.14	0.32	66.69	8.91	0.49	-999
AGR-04-245	A162071	24.90	7.63	0.19	0.28	45.75	9.35	0.36	-999
AGR-04-245	A162072	41.47	11.73	0.32	0.40	18.74	13.98	0.49	-999
AGR-04-245	A162073	30.29	8.08	0.22	0.31	38.00	9.44	0.37	-999
AGR-04-245	A162074	23.95	6.21	0.18	0.18	50.43	7.45	0.37	-999
AGR-04-245	A162075	27.58	12.43	0.29	0.36	32.03	15.21	0.69	-999
AGR-04-245	A162076	24.02	13.64	0.28	0.43	33.63	16.94	0.79	-999
AGR-04-245	A162077	28.74	10.83	0.25	0.32	34.08	13.18	0.45	-999
AGR-04-245	A162078	15.38	10.86	0.21	0.30	48.41	13.91	0.45	-999
AGR-04-245	A162079	17.59	20.88	0.30	0.39	23.43	27.53	0.45	-999
AGR-04-245	A162080	41.50	16.89	0.34	0.73	7.86	21.42	0.26	-999
AGR-04-245	A162081	26.72	20.43	0.28	0.35	15.73	26.49	0.46	-999
AGR-04-245	A162082	24.13	10.23	0.24	0.47	41.87	12.90	0.87	-999
AGR-04-245	A162083	15.38	16.79	0.25	0.39	34.95	21.53	0.39	-999
AGR-04-245	A162084	37.73	17.43	0.36	1.04	9.09	21.95	0.53	-999
AGR-04-245	A162085	34.90	20.90	0.35	0.42	4.44	27.92	0.30	-999
AGR-04-245	A162086	26.99	23.29	0.34	0.35	7.12	31.34	0.20	-999
AGR-04-245	A162087	26.51	24.44	0.34	0.28	4.84	33.14	0.14	-999
AGR-04-245	A162088	29.66	23.50	0.34	0.28	4.67	31.58	0.10	-999
AGR-04-245	A162089	24.77	24.58	0.31	0.33	6.75	32.91	0.30	-999
AGR-04-245	A162090	31.99	22.30	0.32	0.36	6.18	29.27	0.34	-999
AGR-04-245	A162091	27.11	12.94	0.77	4.27	22.20	16.71	1.26	-999
AGR-04-245	A162092	32.43	1.75	1.80	11.60	28.57	2.05	2.39	-999
AGR-04-245	A162093	19.34	0.57	2.58	12.44	44.96	1.30	2.26	-999
AGR-04-245	A162094	19.30	0.90	3.32	12.14	40.98	1.83	2.20	-999
AGR-04-245	A162095	14.78	0.35	3.64	13.65	45.94	1.12	2.29	-999

Signature: 

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Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-245	A162096	15.22	0.42	2.86	13.61	46.11	1.26	2.52	-999
AGR-04-245	A162097	21.62	0.54	1.88	12.32	41.05	0.93	2.22	-999
AGR-04-245	A162098	21.27	0.49	1.65	12.75	42.31	0.65	2.52	-999
AGR-04-245	A162099	19.24	0.50	1.66	15.34	41.74	0.66	2.57	-999
AGR-04-245	A162100	32.18	1.06	1.29	12.32	29.75	1.01	2.41	-999
AGR-04-245	A162101	36.52	1.15	1.08	11.44	26.71	0.71	2.42	-999
AGR-04-245	A162102	29.19	1.43	1.34	13.91	31.02	1.19	2.79	-999
AGR-04-245	A162103	22.00	17.75	0.40	1.48	22.27	23.30	0.31	-999
AGR-04-245	A162104	40.86	2.53	0.97	11.68	20.84	1.92	2.57	-999
AGR-04-245	A162105	33.89	3.33	0.92	12.08	25.52	3.52	2.69	-999
AGR-04-245	A162106	16.94	28.75	0.33	0.73	5.72	40.02	0.26	-999
AGR-04-245	A162107	29.04	24.29	0.35	1.19	3.84	32.30	0.21	-999
AGR-04-245	A162108	35.06	22.34	0.36	1.13	3.35	28.97	0.18	-999
AGR-04-245	A162109	45.29	19.29	0.33	0.48	2.64	23.83	0.10	-999
AGR-04-245	A162110	6.04	35.58	0.24	0.50	3.31	49.32	0.09	-999
AGR-04-245	A162111	18.34	30.15	0.29	0.39	2.73	40.28	0.08	-999
AGR-04-245	A162112	16.00	30.50	0.17	0.26	5.12	31.66	0.29	-999
AGR-04-245	A162113	10.29	31.62	0.19	0.32	8.67	36.76	0.62	-999
AGR-04-245	A162114	23.62	22.62	0.39	1.39	10.51	30.39	0.74	-999
AGR-04-245	A162115	23.73	17.16	0.30	0.62	23.67	21.91	0.50	-999
AGR-04-245	A162116	12.10	20.05	0.30	0.59	27.66	26.92	0.40	-999
AGR-04-245	A162117	11.73	23.53	0.30	0.58	21.67	32.14	0.42	-999
AGR-04-245	A162118	10.48	29.40	0.29	0.76	9.06	41.29	0.68	-999
AGR-04-245	A162119	5.09	23.76	0.25	0.38	30.05	32.67	0.32	-999
AGR-04-245	A162120	5.19	29.30	0.26	0.31	16.81	40.97	0.12	-999
AGR-04-245	A162121	3.12	29.97	0.25	0.44	19.01	41.00	0.13	-999
AGR-04-245	A162122	9.74	30.95	0.29	0.47	7.15	43.80	0.11	-999
AGR-04-245	A162123	21.33	23.69	0.40	1.18	9.01	32.82	0.26	-999
AGR-04-245	A162124	17.42	26.56	0.37	1.11	7.56	37.05	0.22	-999
AGR-04-245	A162125	14.36	29.08	0.30	0.36	7.66	40.48	0.09	-999
AGR-04-245	A162126	19.36	19.58	0.31	0.48	21.47	26.70	0.13	-999
AGR-04-245	A162127	6.32	22.00	0.29	0.35	30.60	31.56	0.10	-999
AGR-04-245	A162128	5.52	27.97	0.28	0.35	19.15	38.94	0.27	-999

Signature: 

Date: 15/1/07

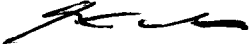
Name: Steven Clinton

Title: Laboratory Supervisor

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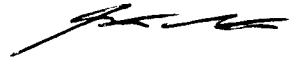
Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-245	A162129	16.75	22.74	0.35	0.56	18.53	30.66	0.94	-999
AGR-04-245	A162130	7.48	22.27	0.33	0.49	30.54	29.96	0.68	-999
AGR-04-245	A162131	8.66	23.54	0.32	0.60	25.70	31.37	1.01	-999
AGR-04-245	A162132	9.18	20.17	0.38	0.65	33.58	26.54	0.87	-999
AGR-04-245	A162133	11.80	28.39	0.38	0.79	11.97	38.35	1.13	-999
AGR-04-245	A162134	12.94	27.71	0.42	0.91	10.81	37.56	0.80	-999
AGR-04-245	A162135	19.14	15.75	0.51	0.41	30.21	21.21	0.82	-999
AGR-04-245	A162136	14.38	25.37	0.47	0.83	13.21	34.49	0.84	-999
AGR-04-245	A162137	17.82	20.14	0.68	0.91	20.25	27.52	0.46	-999
AGR-04-245	A162138	16.96	25.52	0.40	1.22	10.15	34.79	0.74	-999
AGR-04-245	A162139	15.07	2.33	2.52	13.93	42.28	2.42	2.41	-999
AGR-04-245	A162140	18.27	1.46	4.96	11.32	36.81	2.20	2.06	-999
AGR-04-245	A162141	19.82	0.69	5.83	11.31	35.96	1.18	2.12	-999
AGR-04-245	A162142	15.44	2.53	2.82	11.70	38.51	2.95	2.17	-999
AGR-04-245	A162143	21.94	6.76	3.01	9.04	29.26	9.43	1.78	-999
AGR-04-245	A162144	30.73	11.58	1.17	5.83	18.90	15.87	1.36	-999

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-246	A162145	5.40	0.87	2.96	9.25	37.67	15.78	0.55	-999
AGR-04-246	A162146	6.07	0.46	3.19	14.40	52.34	5.18	0.55	-999
AGR-04-246	A162147	5.68	0.42	2.52	14.15	56.12	3.43	0.53	-999
AGR-04-246	A162148	4.84	0.55	2.13	13.24	60.07	2.27	0.36	-999
AGR-04-246	A162149	4.36	0.31	2.15	16.00	54.25	3.85	0.38	-999
AGR-04-246	A162150	7.55	0.49	3.48	13.73	53.65	2.30	0.66	-999
AGR-04-246	A162151	5.98	0.23	2.47	14.50	57.30	1.87	0.50	-999
AGR-04-246	A162152	6.41	0.22	2.45	14.56	57.82	2.30	0.56	-999
AGR-04-246	A162153	6.75	0.26	2.64	14.40	56.63	2.66	0.59	-999
AGR-04-246	A162154	6.97	0.28	3.22	14.71	54.24	2.25	0.70	-999
AGR-04-246	A162155	6.68	0.30	3.23	14.41	57.66	2.00	0.59	-999
AGR-04-246	A162156	6.35	0.11	2.28	14.32	59.97	1.84	0.50	-999
AGR-04-246	A162157	4.98	0.09	1.86	15.32	59.73	2.97	0.52	-999
AGR-04-246	A162158	4.08	0.08	1.53	15.94	60.94	2.88	0.46	-999
AGR-04-246	A162159	6.16	0.05	1.98	13.90	61.09	2.29	0.52	-999
AGR-04-246	A162160	6.22	0.04	2.20	14.14	60.51	2.22	0.53	-999
AGR-04-246	A162161	6.90	0.04	2.01	13.64	59.06	3.31	0.60	-999
AGR-04-246	A162162	5.34	0.05	1.94	13.32	62.54	4.06	0.38	-999
AGR-04-246	A162163	5.32	0.07	1.86	14.57	60.82	2.40	0.51	-999
AGR-04-246	A162164	5.33	0.17	1.79	14.33	61.95	1.74	0.55	-999
AGR-04-246	A162165	3.19	0.75	1.25	14.94	63.88	2.32	0.37	-999
AGR-04-246	A162166	5.21	0.10	1.86	15.17	59.51	2.20	0.51	-999
AGR-04-246	A162167	4.32	0.07	1.55	14.42	64.68	1.78	0.40	-999
AGR-04-246	A162168	4.50	0.27	1.63	14.20	64.43	2.70	0.42	-999
AGR-04-246	A162169	5.09	0.20	1.86	15.92	55.43	4.03	0.57	-999
AGR-04-246	A162170	7.17	0.11	2.73	13.68	57.44	2.46	0.68	-999
AGR-04-246	A162171	5.32	0.12	1.86	14.80	58.71	2.61	0.55	-999
AGR-04-246	A162172	8.08	0.07	3.16	13.74	54.65	2.34	0.77	-999
AGR-04-246	A162173	3.32	0.13	1.22	14.17	64.98	1.76	0.42	-999
AGR-04-246	A162174	2.86	0.07	0.93	14.94	65.30	2.00	0.32	-999
AGR-04-246	A162175	4.95	-0.02	1.87	14.04	62.41	1.58	0.41	-999
AGR-04-246	A162176	4.26	-0.03	1.61	15.08	62.63	1.81	0.30	-999
AGR-04-246	A162177	6.40	0.05	2.52	14.08	59.63	1.77	0.57	-999

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-246	A162178	4.89	0.09	2.19	15.77	57.18	2.36	0.49	-999
AGR-04-246	A162179	4.72	0.06	1.98	14.56	60.76	2.88	0.46	-999
AGR-04-246	A162180	6.29	0.06	2.56	14.15	57.70	3.36	0.61	-999
AGR-04-246	A162181	6.49	0.09	2.61	13.88	57.55	2.77	0.62	-999
AGR-04-246	A162182	5.60	0.11	2.15	14.47	59.18	3.06	0.53	-999
AGR-04-246	A162183	4.49	0.06	1.68	14.55	62.11	2.69	0.43	-999
AGR-04-246	A162184	6.22	0.05	2.66	14.46	57.80	2.93	0.58	-999
AGR-04-246	A162185	5.07	0.03	2.62	13.91	61.45	2.34	0.40	-999
AGR-04-246	A162186	6.19	0.08	3.62	13.11	59.86	2.01	0.50	-999
AGR-04-246	A162187	5.68	0.04	3.21	14.04	60.11	1.98	0.50	-999
AGR-04-246	A162188	11.47	-0.03	6.13	10.03	52.21	2.34	0.59	-999
AGR-04-246	A162189	14.45	-0.08	9.56	7.50	44.76	2.96	0.43	-999
AGR-04-246	A162190	4.21	0.02	2.83	14.44	61.01	2.01	0.39	-999
AGR-04-246	A162191	6.55	0.27	2.65	15.14	53.76	2.89	0.76	-999
AGR-04-246	A162192	12.34	-0.05	3.61	13.65	45.20	3.85	1.19	-999
AGR-04-246	A162193	4.16	0.15	1.61	14.57	63.13	2.26	0.41	-999
AGR-04-246	A162194	4.25	0.21	1.74	14.66	62.62	2.34	0.50	-999
AGR-04-246	A162195	6.84	0.31	2.59	13.32	57.78	2.88	0.66	-999
AGR-04-246	A162196	5.69	0.04	2.10	14.44	59.84	2.96	0.50	-999
AGR-04-246	A162197	10.49	0.21	3.37	13.65	48.22	4.17	0.89	-999
AGR-04-246	A162198	10.21	0.55	2.47	15.38	48.24	3.62	1.42	-999
AGR-04-246	A162199	9.90	0.27	4.01	13.81	50.10	2.57	0.74	-999
AGR-04-246	A162200	6.86	0.07	2.35	13.96	58.10	2.42	0.57	-999
AGR-04-246	A162201	3.78	0.07	1.19	14.61	64.85	2.05	0.42	-999
AGR-04-246	A162202	6.18	-0.01	1.87	14.55	60.37	2.32	0.53	-999
AGR-04-246	A162203	4.98	0.14	1.43	14.44	63.41	1.85	0.58	-999
AGR-04-246	A162204	4.63	0.01	1.61	14.99	62.34	2.15	0.46	-999
AGR-04-246	A162205	8.08	0.04	3.58	13.22	55.18	1.63	0.66	-999
AGR-04-246	A162206	12.29	0.27	4.18	11.38	50.53	1.95	1.86	-999
AGR-04-246	A162207	14.74	0.38	5.13	11.72	44.55	1.87	2.05	-999
AGR-04-246	A162208	10.89	0.42	3.48	12.04	51.95	1.59	2.05	-999
AGR-04-246	A162209	8.22	0.12	2.73	12.97	57.56	1.14	0.77	-999
AGR-04-246	A162210	8.66	0.09	3.27	14.17	52.08	1.39	0.77	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-04-246	A162211	6.78	0.90	2.50	12.99	56.04	1.63	0.43	-999
AGR-04-246	A162212	5.13	0.04	1.91	13.61	61.25	0.89	0.36	-999
AGR-04-246	A162213	6.95	0.10	2.54	13.01	58.03	1.03	0.50	-999
AGR-04-246	A162214	14.08	0.63	3.47	10.44	51.37	1.98	2.34	-999
AGR-04-246	A162215	7.80	0.09	2.69	14.08	55.58	0.95	0.67	-999
AGR-04-246	A162216	6.69	0.18	2.66	13.83	57.12	1.07	0.70	-999
AGR-04-246	A162217	14.12	0.33	3.47	11.91	47.67	1.71	2.07	-999
AGR-04-246	A162218	4.49	-0.01	1.81	13.68	64.06	0.84	0.36	-999
AGR-04-246	A162219	4.52	0.09	1.58	14.89	61.87	1.19	0.50	-999
AGR-04-246	A162220	4.32	0.05	1.35	14.18	63.99	1.16	0.41	-999
AGR-04-246	A162221	4.30	0.02	1.44	14.54	63.25	0.99	0.39	-999
AGR-04-246	A162222	4.33	0.06	1.42	14.47	63.08	0.99	0.43	-999
AGR-04-246	A162223	3.74	0.03	1.03	13.90	65.81	0.86	0.31	-999
AGR-04-246	A162224	5.39	0.08	2.03	14.79	59.45	1.19	0.56	-999
AGR-04-246	A162225	4.94	0.04	2.51	14.71	59.22	1.34	0.50	-999
AGR-04-246	A162226	4.91	0.13	2.34	13.43	62.00	1.21	0.42	-999
AGR-04-246	A162227	8.37	1.07	4.44	12.71	51.14	2.32	0.53	-999
AGR-04-246	A162228	6.98	0.55	3.16	13.87	53.80	1.68	0.67	-999
AGR-04-246	A162229	7.28	0.42	3.35	14.02	53.19	1.73	0.64	-999
AGR-04-246	A162230	7.78	0.30	3.50	14.42	51.25	1.68	0.75	-999
AGR-04-246	A162231	9.06	0.27	3.40	13.84	48.76	2.05	1.11	-999
AGR-04-246	A162232	6.50	0.97	4.14	13.63	51.68	2.07	0.63	-999
AGR-04-246	A162233	7.03	0.18	2.69	15.20	51.09	1.77	0.70	-999

Signature: 

Date: 1/5/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-247	A162234	20.61	2.90	4.89	6.78	31.57	9.04	6.23	-999
AGR-05-247	A162235	19.02	4.00	5.41	6.83	32.96	9.44	4.34	-999
AGR-05-247	A162236	21.68	3.48	4.46	6.43	35.86	7.42	3.63	-999
AGR-05-247	A162237	19.47	4.44	5.33	6.33	34.82	8.55	3.56	-999
AGR-05-247	A162238	21.16	3.59	5.55	5.95	35.68	7.37	3.90	-999
AGR-05-247	A162239	24.31	4.02	4.66	6.48	31.12	8.66	4.98	-999
AGR-05-247	A162240	21.53	4.44	5.16	5.70	33.69	9.19	4.62	-999
AGR-05-247	A162241	20.14	3.75	5.83	5.25	33.32	8.84	5.28	-999
AGR-05-247	A162242	21.47	6.26	4.80	5.69	29.41	11.09	3.54	-999
AGR-05-247	A162243	25.27	3.87	4.59	5.96	31.13	8.86	4.51	-999
AGR-05-247	A162244	25.86	3.91	4.72	5.28	29.59	9.14	4.41	-999
AGR-05-247	A162245	22.48	2.41	6.02	5.37	32.53	7.61	4.38	-999
AGR-05-247	A162246	24.93	3.13	5.16	5.93	30.25	7.84	4.01	-999
AGR-05-247	A162247	28.08	1.52	4.66	6.50	32.66	5.76	6.22	-999
AGR-05-247	A162248	26.16	4.86	4.15	5.42	28.44	10.32	4.53	-999
AGR-05-247	A162249	34.20	3.86	4.68	5.98	25.99	7.93	5.37	-999
AGR-05-247	A162250	34.26	1.14	4.64	7.01	28.62	5.14	6.04	-999
AGR-05-247	A162251	29.68	2.30	4.70	6.17	29.24	7.34	5.74	-999
AGR-05-247	A162252	26.94	1.69	5.93	4.26	33.30	6.06	4.31	-999
AGR-05-247	A162253	22.97	3.71	5.38	4.68	36.38	7.56	2.69	-999
AGR-05-247	A162254	22.74	2.79	6.66	4.03	37.80	5.72	2.55	-999
AGR-05-247	A162255	20.99	3.64	6.20	3.74	40.64	6.74	2.68	-999
AGR-05-247	A162256	22.29	1.89	7.85	5.11	37.25	5.32	4.23	-999
AGR-05-247	A162257	26.59	0.69	6.60	7.00	38.03	4.23	6.83	-999
AGR-05-247	A162258	32.13	0.77	4.88	6.97	35.07	3.69	6.29	-999
AGR-05-247	A162259	22.94	2.60	6.15	3.90	38.93	4.68	2.48	-999
AGR-05-247	A162260	18.49	4.62	4.02	4.58	45.43	7.25	2.82	-999
AGR-05-247	A162261	33.02	2.80	3.83	2.27	31.80	4.77	1.94	-999
AGR-05-247	A162262	5.95	1.71	0.54	0.16	84.12	2.49	0.15	-999
AGR-05-247	A162263	30.10	1.06	5.93	5.65	34.78	3.91	4.82	-999
AGR-05-247	A162264	31.32	0.50	5.87	6.53	35.45	3.46	6.38	-999
AGR-05-247	A162265	34.53	0.31	5.99	5.33	32.01	2.79	4.72	-999
AGR-05-247	A162266	23.61	1.39	8.88	3.81	34.67	4.13	2.32	-999

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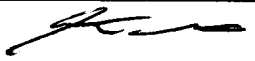
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-247	A162267	23.56	0.54	6.59	4.91	40.25	2.58	3.40	-999
AGR-05-247	A162268	19.39	5.11	3.59	2.96	47.15	7.36	2.33	-999
AGR-05-247	A162269	27.07	3.81	2.88	5.66	33.40	7.48	4.84	-999
AGR-05-247	A162270	33.02	4.33	1.32	7.81	27.30	7.16	6.82	-999
AGR-05-247	A162271	34.86	5.27	1.24	7.33	23.56	7.49	6.09	-999
AGR-05-247	A162272	30.82	5.87	1.31	8.08	26.88	8.53	8.22	-999
AGR-05-247	A162273	44.81	5.18	0.77	4.91	14.54	6.58	5.73	-999
AGR-05-247	A162274	38.84	5.44	0.74	5.87	20.38	6.70	5.99	-999
AGR-05-247	A162275	22.20	8.34	0.90	9.12	30.74	11.01	7.62	-999
AGR-05-247	A162276	17.44	11.87	0.54	6.92	31.97	14.87	6.22	-999
AGR-05-247	A162277	38.69	6.58	0.38	3.78	24.78	6.78	3.51	-999
AGR-05-247	A162278	15.51	10.05	0.22	1.37	48.97	11.88	1.06	-999
AGR-05-247	A162279	13.01	5.11	0.14	1.60	65.17	6.32	0.96	-999
AGR-05-247	A162280	11.78	6.35	0.12	0.60	64.70	8.21	0.67	-999
AGR-05-247	A162281	10.67	5.67	0.09	0.45	67.90	7.17	0.51	-999
AGR-05-247	A162282	32.18	8.38	0.39	4.79	29.00	9.61	3.10	-999
AGR-05-247	A162283	13.19	6.64	0.15	0.63	62.56	8.50	0.81	-999
AGR-05-247	A162284	27.90	15.41	0.93	6.39	15.45	18.53	2.52	-999
AGR-05-247	A162285	19.09	8.68	0.35	2.26	47.42	10.47	1.54	-999
AGR-05-247	A162286	28.62	22.35	0.36	2.05	8.85	28.65	2.26	-999
AGR-05-247	A162287	14.27	10.12	0.32	0.94	51.66	13.11	0.91	-999
AGR-05-247	A162288	9.12	7.97	0.18	0.53	64.15	10.50	0.49	-999
AGR-05-247	A162289	27.66	25.63	0.28	1.42	4.70	32.56	1.63	-999
AGR-05-247	A162290	12.75	30.94	0.29	0.87	6.50	42.03	0.49	-999
AGR-05-247	A162291	18.36	18.86	0.26	0.76	30.72	23.47	0.98	-999
AGR-05-247	A162292	26.97	17.44	0.30	0.97	23.45	20.75	0.90	-999
AGR-05-247	A162293	6.25	1.21	0.02	0.26	87.47	1.66	0.29	-999
AGR-05-247	A162294	7.45	2.06	0.23	0.37	81.61	2.97	0.38	-999
AGR-05-247	A162295	7.68	1.18	0.04	0.37	84.95	1.49	0.35	-999
AGR-05-247	A162296	5.95	0.70	0.02	0.31	88.60	1.04	0.29	-999
AGR-05-247	A162297	6.02	1.93	0.03	0.50	84.93	2.72	0.26	-999
AGR-05-247	A162298	6.49	1.88	0.07	0.71	83.68	2.50	0.30	-999
AGR-05-247	A162299	7.15	1.86	0.07	0.37	85.00	2.55	0.35	-999

Signature: 

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Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-247	A162300	7.10	2.55	0.09	0.44	82.78	3.43	0.39	-999
AGR-05-247	A162301	6.62	3.49	0.09	0.34	79.91	4.65	0.33	-999
AGR-05-247	A162302	13.45	2.99	0.23	0.49	74.37	3.82	0.77	-999
AGR-05-247	A162303	11.26	2.86	0.18	1.17	75.32	3.49	0.69	-999
AGR-05-247	A162304	7.30	3.67	0.17	0.31	79.65	4.86	0.39	-999
AGR-05-247	A162305	5.20	3.82	0.04	0.24	80.59	5.07	0.18	-999
AGR-05-247	A162306	23.79	9.14	0.23	0.51	44.43	11.24	0.90	-999
AGR-05-247	A162307	8.44	4.57	0.10	0.30	74.99	5.90	0.41	-999
AGR-05-247	A162308	6.66	4.79	0.09	0.28	77.02	6.24	0.31	-999
AGR-05-247	A162309	10.24	5.16	0.14	0.49	71.29	6.64	0.58	-999
AGR-05-247	A162310	22.19	14.55	0.31	0.99	35.29	17.77	1.13	-999
AGR-05-247	A162311	15.09	8.01	0.20	0.53	57.69	10.10	0.69	-999
AGR-05-247	A162312	6.74	5.52	0.12	0.39	75.65	7.18	0.45	-999
AGR-05-247	A162313	7.18	5.47	0.13	0.33	75.94	7.21	0.43	-999
AGR-05-247	A162314	8.91	5.00	0.17	0.81	74.34	6.56	0.82	-999
AGR-05-247	A162315	6.61	4.11	0.12	0.38	79.66	5.37	0.35	-999
AGR-05-247	A162316	16.56	10.21	0.43	0.79	50.33	12.87	0.92	-999
AGR-05-247	A162317	26.34	16.65	0.30	0.87	27.00	20.53	1.41	-999
AGR-05-247	A162318	10.66	6.57	0.17	0.42	68.67	8.41	0.65	-999
AGR-05-247	A162319	8.77	5.29	0.19	0.42	73.83	6.99	0.50	-999
AGR-05-247	A162320	11.15	6.14	0.17	0.43	68.62	7.84	0.67	-999
AGR-05-247	A162321	7.66	6.43	0.12	0.32	72.43	8.40	0.40	-999
AGR-05-247	A162322	7.62	5.62	0.15	0.56	74.32	7.51	0.48	-999

Signature: 

Date: 15/1/07

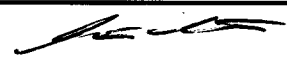
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-248	A162323	12.16	4.02	1.41	5.44	58.32	5.49	1.53	-999
AGR-05-248	A162324	23.03	1.73	3.14	8.70	38.39	5.24	4.50	-999
AGR-05-248	A162325	9.80	1.53	3.70	12.79	46.13	3.72	1.35	-999
AGR-05-248	A162326	28.69	2.91	2.48	7.25	32.81	6.57	4.88	-999
AGR-05-248	A162327	21.81	3.38	3.95	7.14	38.74	7.21	3.98	-999
AGR-05-248	A162328	19.78	2.94	4.35	6.85	41.35	6.83	4.39	-999
AGR-05-248	A162329	20.87	2.16	4.99	6.78	39.17	6.41	5.04	-999
AGR-05-248	A162330	24.34	1.66	4.08	7.01	36.99	5.00	4.91	-999
AGR-05-248	A162331	19.71	2.19	2.68	6.61	45.88	4.56	4.53	-999
AGR-05-248	A162332	12.14	1.45	1.26	4.51	65.92	2.68	2.68	-999
AGR-05-248	A162333	20.41	1.64	4.64	7.29	43.41	3.81	5.34	-999
AGR-05-248	A162334	21.13	3.17	3.94	7.16	38.61	6.63	4.83	-999
AGR-05-248	A162335	24.11	3.59	3.60	6.94	37.01	7.19	6.38	-999
AGR-05-248	A162336	36.58	2.09	2.55	5.35	29.49	3.75	4.92	-999
AGR-05-248	A162337	27.97	3.18	2.77	5.13	35.84	5.26	3.73	-999
AGR-05-248	A162338	30.20	1.62	4.26	5.53	36.44	3.50	4.56	-999
AGR-05-248	A162339	18.61	2.39	4.87	5.07	49.38	4.19	3.52	-999
AGR-05-248	A162340	20.66	1.81	6.89	5.78	42.54	4.70	4.04	-999
AGR-05-248	A162341	22.04	3.11	6.19	5.96	34.35	6.59	2.78	-999
AGR-05-248	A162342	18.98	5.10	6.21	5.61	35.29	9.55	3.94	-999
AGR-05-248	A162343	24.65	1.72	5.32	7.27	33.39	4.68	3.28	-999
AGR-05-248	A162344	24.77	2.30	5.07	6.35	35.77	4.76	3.45	-999
AGR-05-248	A162345	20.72	6.18	5.09	5.32	31.30	11.15	3.20	-999
AGR-05-248	A162346	22.38	3.05	5.70	5.26	32.34	9.67	6.12	-999
AGR-05-248	A162347	21.55	4.49	5.42	5.10	30.10	11.13	5.69	-999
AGR-05-248	A162348	20.15	3.16	6.01	7.45	33.90	7.60	3.40	-999
AGR-05-248	A162349	27.97	3.19	4.54	5.34	31.31	8.06	5.68	-999
AGR-05-248	A162350	30.86	3.11	3.00	7.17	29.84	6.99	6.84	-999
AGR-05-248	A162351	26.76	1.74	4.48	6.09	34.47	4.92	4.16	-999
AGR-05-248	A162352	21.92	3.74	5.90	4.28	38.08	6.70	3.22	-999
AGR-05-248	A162353	21.32	3.36	5.17	7.31	36.17	7.32	4.14	-999
AGR-05-248	A162354	29.57	1.83	6.43	5.27	32.11	5.06	4.66	-999
AGR-05-248	A162355	19.62	3.25	6.11	3.36	43.87	5.26	2.01	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-248	A162356	17.58	2.60	1.80	0.72	55.22	3.27	0.35	-999
AGR-05-248	A162357	12.91	2.70	3.87	2.52	59.98	3.98	1.16	-999
AGR-05-248	A162358	12.10	2.97	3.84	2.38	60.68	4.22	1.10	-999
AGR-05-248	A162359	13.81	2.41	6.08	4.48	53.58	3.73	2.06	-999
AGR-05-248	A162360	19.09	10.12	4.10	6.17	26.32	15.38	3.10	-999
AGR-05-248	A162361	34.07	5.98	1.80	5.21	23.42	8.41	3.46	-999
AGR-05-248	A162362	37.53	3.42	1.01	6.05	24.49	4.60	3.39	-999
AGR-05-248	A162363	59.26	4.58	0.40	0.99	14.97	4.20	0.90	-999
AGR-05-248	A162364	19.00	5.89	0.28	0.39	56.47	7.24	0.51	-999
AGR-05-248	A162365	9.62	2.41	0.31	0.47	76.94	2.92	0.38	-999
AGR-05-248	A162366	9.42	3.07	0.31	0.55	75.24	4.05	0.42	-999
AGR-05-248	A162367	8.46	2.77	0.19	0.47	77.78	3.67	0.43	-999
AGR-05-248	A162368	12.13	1.40	0.16	0.60	75.20	1.60	0.70	-999
AGR-05-248	A162369	9.07	1.77	0.23	0.40	78.79	2.14	0.57	-999
AGR-05-248	A162370	15.97	0.87	0.16	0.40	72.77	0.84	1.06	-999
AGR-05-248	A162371	15.29	3.10	0.11	0.26	68.68	3.71	0.91	-999
AGR-05-248	A162372	15.30	1.65	0.11	0.39	72.03	1.82	1.04	-999
AGR-05-248	A162373	13.04	1.40	0.11	0.33	77.59	1.74	0.92	-999
AGR-05-248	A162374	11.84	1.76	0.11	0.37	77.46	2.20	0.77	-999
AGR-05-248	A162375	11.24	1.85	0.11	0.39	75.81	2.10	0.59	-999
AGR-05-248	A162376	13.76	3.78	0.17	0.50	67.95	4.59	1.18	-999
AGR-05-248	A162377	5.50	2.14	0.03	0.23	84.93	2.86	0.26	-999
AGR-05-248	A162378	5.30	2.12	0.01	0.34	84.37	2.79	0.07	-999
AGR-05-248	A162379	10.66	4.60	0.12	0.39	71.83	6.04	0.53	-999
AGR-05-248	A162380	5.98	4.12	0.07	0.25	78.61	5.46	0.29	-999
AGR-05-248	A162381	5.54	3.27	0.02	0.22	81.53	4.47	0.19	-999
AGR-05-248	A162382	4.94	3.03	0.03	0.19	83.49	4.13	0.15	-999
AGR-05-248	A162383	15.58	8.94	0.20	0.65	53.46	11.55	0.74	-999
AGR-05-248	A162384	4.92	4.36	0.09	0.38	78.96	5.96	0.21	-999
AGR-05-248	A162385	18.98	9.94	0.20	0.53	47.04	12.35	0.54	-999
AGR-05-248	A162386	20.50	20.23	0.28	1.36	22.11	25.30	1.36	-999
AGR-05-248	A162387	19.36	27.26	0.31	1.51	8.26	34.99	2.59	-999
AGR-05-248	A162388	15.02	15.89	0.34	2.70	36.70	19.83	2.47	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-248	A162389	9.12	5.05	0.22	0.87	71.22	6.73	0.94	-999
AGR-05-248	A162390	14.75	4.16	0.28	2.80	65.29	5.29	2.78	-999
AGR-05-248	A162391	13.74	5.67	0.22	2.09	61.33	7.23	1.38	-999
AGR-05-248	A162392	13.11	8.98	0.22	0.50	57.15	11.86	0.84	-999
AGR-05-248	A162393	6.73	7.26	0.14	0.44	68.88	9.78	0.54	-999
AGR-05-248	A162394	6.73	5.34	0.11	0.39	73.91	7.26	0.36	-999
AGR-05-248	A162395	10.12	4.36	0.14	0.26	73.47	5.59	0.65	-999
AGR-05-248	A162396	5.42	3.64	0.06	0.28	81.41	4.87	0.24	-999
AGR-05-248	A162397	7.31	5.24	0.08	0.35	74.19	6.91	0.33	-999
AGR-05-248	A162398	5.95	3.47	0.09	0.35	80.40	4.70	0.24	-999
AGR-05-248	A162399	4.44	5.17	0.11	0.37	78.18	6.94	0.16	-999
AGR-05-248	A162400	3.31	4.66	0.07	0.33	80.62	6.30	0.09	-999
AGR-05-248	A162401	7.73	8.26	0.18	0.39	66.30	10.70	0.47	-999
AGR-05-248	A162402	6.79	5.11	0.15	0.33	75.57	6.81	0.30	-999
AGR-05-248	A162403	5.49	5.76	0.17	0.47	74.94	7.66	0.26	-999
AGR-05-248	A162404	4.90	4.90	0.20	0.36	78.55	6.59	0.27	-999
AGR-05-248	A162405	4.98	3.80	0.21	0.31	81.26	5.10	0.26	-999
AGR-05-248	A162406	4.59	2.78	0.26	0.25	84.88	3.82	0.12	-999
AGR-05-248	A162407	4.35	2.57	0.13	0.40	85.59	3.51	0.14	-999
AGR-05-248	A162408	5.40	3.09	0.35	0.28	83.06	4.24	0.25	-999
AGR-05-248	A162409	5.87	3.97	0.17	0.29	80.05	5.43	0.29	-999
AGR-05-248	A162410	7.22	5.67	0.25	0.35	74.12	7.42	0.45	-999
AGR-05-248	A162411	4.64	3.66	0.10	0.22	82.21	4.89	0.13	-999
AGR-05-248	A162412	7.32	4.58	0.30	0.45	75.52	6.10	0.45	-999
AGR-05-248	A162413	6.63	8.38	0.25	0.36	66.65	10.86	0.32	-999
AGR-05-248	A162414	14.67	4.89	1.56	1.90	62.31	6.38	1.30	-999
AGR-05-248	A162415	17.12	4.68	2.64	4.47	52.92	6.09	2.89	-999
AGR-05-248	A162416	7.57	5.31	0.38	0.44	73.66	7.11	0.37	-999
AGR-05-248	A162417	10.06	9.25	0.44	0.61	61.47	11.88	0.59	-999
AGR-05-248	A162418	8.17	4.30	0.31	0.30	75.13	5.68	0.25	-999
AGR-05-248	A162419	29.46	10.43	1.60	3.21	25.76	13.42	1.54	-999
AGR-05-248	A162420	11.88	1.41	1.91	1.96	72.01	2.02	1.31	-999
AGR-05-248	A162421	21.88	2.09	3.44	4.74	46.33	3.12	2.57	-999

Signature: 

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Name: Steven Clinton

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-248	A162422	36.33	5.86	2.19	5.15	23.32	7.60	3.22	-999
AGR-05-248	A162423	30.32	16.34	1.81	1.84	15.61	21.24	1.25	-999
AGR-05-248	A162424	24.35	6.13	3.15	5.16	32.35	8.36	2.33	-999
AGR-05-248	A162425	29.18	6.43	3.56	4.98	25.73	8.92	2.38	-999
AGR-05-248	A162426	21.50	16.36	1.62	1.46	26.50	21.66	1.18	-999
AGR-05-248	A162427	31.20	8.43	4.04	3.52	22.85	11.30	2.78	-999
AGR-05-248	A162428	25.10	7.10	4.17	3.38	34.42	9.30	2.15	-999
AGR-05-248	A162429	18.49	9.07	1.02	1.05	49.24	11.77	1.45	-999
AGR-05-248	A162430	29.88	0.66	4.68	6.71	28.87	4.40	4.83	-999
AGR-05-248	A162431	35.51	0.39	3.90	6.36	27.31	3.98	5.26	-999
AGR-05-248	A162432	33.22	0.94	4.88	5.72	30.99	4.00	5.04	-999
AGR-05-248	A162433	31.06	4.81	3.72	3.61	30.46	6.66	4.14	-999
AGR-05-248	A162434	17.83	4.76	2.59	2.85	50.69	6.26	1.48	-999
AGR-05-248	A162435	28.83	10.93	2.46	2.34	23.14	14.92	1.98	-999
AGR-05-248	A162436	26.67	9.42	2.72	2.69	28.73	12.52	2.01	-999
AGR-05-248	A162437	35.56	0.98	6.38	6.15	26.40	2.50	4.70	-999
AGR-05-248	A162438	30.76	1.88	6.38	6.06	31.33	3.76	4.42	-999
AGR-05-248	A162439	15.17	3.97	0.88	0.83	63.56	5.48	0.67	-999
AGR-05-248	A162440	11.97	6.11	0.65	0.73	64.09	8.07	0.40	-999
AGR-05-248	A162441	12.31	8.90	1.00	1.21	53.72	11.57	0.85	-999
AGR-05-248	A162442	22.18	6.14	1.12	1.15	46.08	7.71	0.95	-999
AGR-05-248	A162443	6.00	3.38	0.56	0.60	79.08	4.85	0.34	-999
AGR-05-248	A162444	4.92	2.51	0.47	0.46	84.12	3.55	0.24	-999
AGR-05-248	A162445	17.77	2.51	0.41	0.36	62.31	3.49	0.14	-999
AGR-05-248	A162446	10.53	5.38	0.29	0.39	68.34	7.10	0.27	-999
AGR-05-248	A162447	15.46	7.18	0.32	0.43	56.98	9.32	0.49	-999
AGR-05-248	A162448	11.74	5.07	0.24	0.31	66.90	6.47	0.22	-999
AGR-05-248	A162449	3.51	3.27	0.22	0.33	83.04	4.37	0.09	-999
AGR-05-248	A162450	2.77	1.98	0.11	0.26	88.17	2.65	0.04	-999
AGR-05-248	A162451	20.57	18.55	0.38	2.44	25.90	22.87	1.50	-999
AGR-05-248	A162452	24.42	22.58	0.35	2.02	14.90	28.44	1.88	-999
AGR-05-248	A162453	11.75	8.11	0.17	0.70	61.39	10.41	0.64	-999
AGR-05-248	A162454	40.98	6.22	0.56	7.89	19.68	6.30	5.42	-999

Signature: 

Date: 15/1/07

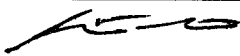
Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-248	A162455	35.07	14.68	0.46	4.47	13.97	17.29	3.74	-999
AGR-05-248	A162456	22.45	4.44	0.16	0.58	55.21	5.16	0.22	-999
AGR-05-248	A162457	4.97	3.85	0.08	0.82	78.46	4.96	0.26	-999
AGR-05-248	A162458	5.71	4.43	0.11	0.51	76.84	5.60	0.21	-999
AGR-05-248	A162459	9.70	4.35	0.09	0.34	72.45	5.44	0.20	-999
AGR-05-248	A162460	15.37	4.86	0.14	0.72	63.70	6.09	0.42	-999
AGR-05-248	A162461	12.26	10.79	0.21	1.12	52.19	13.07	0.58	-999
AGR-05-248	A162462	26.62	18.76	0.40	2.66	16.79	22.76	2.05	-999
AGR-05-248	A162463	15.23	6.51	0.24	1.16	58.02	8.30	0.69	-999
AGR-05-248	A162464	9.65	6.57	0.20	0.87	66.32	8.38	0.49	-999
AGR-05-248	A162465	5.92	9.55	0.20	0.72	63.05	12.60	0.34	-999
AGR-05-248	A162466	13.11	13.66	0.28	1.63	43.10	17.85	1.27	-999
AGR-05-248	A162467	14.66	13.14	0.29	2.10	42.29	16.47	0.92	-999
AGR-05-248	A162468	8.36	6.16	0.20	0.71	70.33	8.19	0.58	-999
AGR-05-248	A162469	6.76	4.60	0.21	0.78	76.18	6.23	0.56	-999
AGR-05-248	A162470	5.63	8.18	0.19	0.68	66.31	10.46	0.13	-999
AGR-05-248	A162471	11.89	7.91	0.29	0.32	60.71	10.17	0.16	-999
AGR-05-248	A162472	21.53	9.43	0.40	0.38	43.26	11.85	0.35	-999
AGR-05-248	A162473	39.28	13.85	0.34	0.33	16.93	17.53	0.17	-999
AGR-05-248	A162474	36.27	16.50	0.43	0.35	10.04	21.73	0.06	-999
AGR-05-248	A162475	10.58	2.77	0.12	0.13	73.31	3.65	0.00	-999
AGR-05-248	A162476	8.43	4.82	0.14	0.13	70.11	6.61	-0.01	-999
AGR-05-248	A162477	9.86	4.72	0.13	0.12	69.49	6.24	0.00	-999
AGR-05-248	A162478	14.35	3.88	0.82	0.65	63.06	5.37	0.40	-999
AGR-05-248	A162479	4.74	5.83	13.28	0.25	1.68	38.38	0.00	-999
AGR-05-248	A162480	5.45	5.08	13.87	0.24	1.67	37.32	0.01	-999
AGR-05-248	A162481	7.12	6.12	12.77	0.26	1.82	36.59	0.00	-999
AGR-05-248	A162482	7.00	6.99	11.84	0.28	1.91	37.83	0.09	-999
AGR-05-248	A162483	10.72	10.18	8.66	0.34	2.21	37.68	0.07	-999
AGR-05-248	A162484	5.99	6.94	13.45	0.24	0.97	37.39	0.01	-999
AGR-05-248	A162485	4.83	4.76	15.18	0.22	0.82	37.15	0.02	-999
AGR-05-248	A162486	4.66	6.26	14.73	0.24	0.87	37.55	0.03	-999
AGR-05-248	A162487	6.44	6.07	13.62	0.27	1.18	37.02	0.01	-999

Signature: 

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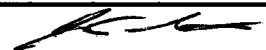
Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-248	A162488	22.73	27.20	0.53	0.24	2.47	40.63	0.21	-999
AGR-05-248	A162489	27.98	11.78	6.73	0.26	1.37	29.66	1.04	-999
AGR-05-248	A162490	6.98	8.18	7.96	0.23	4.80	39.68	0.06	-999
AGR-05-248	A162491	11.04	10.24	5.21	0.30	4.32	39.65	0.24	-999
AGR-05-248	A162492	11.44	8.28	5.89	0.29	3.93	38.48	0.07	-999
AGR-05-248	A162493	20.80	9.34	8.87	0.50	3.04	30.26	0.66	-999
AGR-05-248	A162494	18.09	13.69	6.93	0.60	3.99	32.55	0.49	-999
AGR-05-248	A162495	17.41	10.01	2.56	0.42	23.64	25.91	0.39	-999
AGR-05-248	A162496	8.04	6.55	12.16	0.60	2.17	36.71	0.16	-999
AGR-05-248	A162497	11.28	6.17	13.59	0.28	1.20	33.87	0.23	-999
AGR-05-248	A162498	18.50	10.15	9.62	0.48	2.27	32.95	0.44	-999
AGR-05-248	A162499	6.09	8.13	13.30	0.29	1.47	36.50	0.09	-999
AGR-05-248	A162500	12.34	6.30	12.83	0.41	1.90	33.29	0.45	-999
AGR-05-248	A162501	8.49	9.20	10.59	0.39	4.96	35.02	0.12	-999
AGR-05-248	A162502	6.13	5.47	14.51	0.26	0.80	36.71	0.06	-999
AGR-05-248	A162503	5.65	6.61	14.38	0.25	1.03	36.92	0.05	-999
AGR-05-248	A162504	10.91	6.50	11.29	0.30	1.96	35.82	0.38	-999
AGR-05-248	A162505	6.14	5.48	13.60	0.28	1.30	37.42	0.08	-999
AGR-05-248	A162506	5.18	5.05	13.84	0.30	1.24	37.90	0.05	-999
AGR-05-248	A162507	6.28	6.61	13.42	0.36	1.46	37.35	0.09	-999
AGR-05-248	A162508	5.39	4.48	15.31	0.32	1.59	36.06	0.06	-999
AGR-05-248	A162509	4.27	3.69	15.10	0.26	2.24	36.57	0.03	-999
AGR-05-248	A162510	4.25	3.76	14.49	0.25	2.38	36.98	0.01	-999
AGR-05-248	A162511	5.03	6.47	12.84	0.90	2.76	36.99	0.03	-999
AGR-05-248	A162512	4.57	5.77	14.76	0.47	1.73	36.63	0.02	-999
AGR-05-248	A162513	4.84	6.05	12.30	0.62	3.26	38.13	0.09	-999
AGR-05-248	A162514	6.44	5.39	11.67	0.48	6.47	35.06	0.07	-999
AGR-05-248	A162515	4.13	5.13	12.34	0.58	2.49	39.44	0.05	-999

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Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-249	A162516	5.90	0.93	2.50	14.13	52.84	3.42	0.50	-999
AGR-05-249	A162517	5.09	0.63	2.55	14.14	55.66	3.15	0.46	-999
AGR-05-249	A162518	5.85	0.55	2.30	14.99	54.26	3.27	0.51	-999
AGR-05-249	A162519	4.92	0.30	1.83	14.93	57.69	2.46	0.45	-999
AGR-05-249	A162520	9.12	0.67	2.77	15.36	46.02	4.06	0.80	-999
AGR-05-249	A162521	6.22	0.49	2.09	15.78	51.29	3.49	0.53	-999
AGR-05-249	A162522	5.57	0.50	2.19	14.66	56.41	3.49	0.48	-999
AGR-05-249	A162523	8.92	0.55	2.89	14.10	51.98	2.95	0.73	-999
AGR-05-249	A162524	6.05	0.35	1.63	14.48	58.96	2.71	0.53	-999
AGR-05-249	A162525	7.86	0.45	1.92	13.84	56.30	2.85	0.69	-999
AGR-05-249	A162526	8.53	0.34	2.34	13.73	55.81	1.90	0.70	-999
AGR-05-249	A162527	7.48	0.24	2.86	13.68	55.66	1.78	0.65	-999
AGR-05-249	A162528	10.24	0.26	2.84	14.41	50.32	2.10	0.84	-999
AGR-05-249	A162529	5.20	0.61	1.51	14.78	59.47	2.02	0.83	-999
AGR-05-249	A162530	3.64	0.20	1.05	14.34	65.07	1.76	0.45	-999
AGR-05-249	A162531	5.59	0.06	1.65	14.86	59.49	2.64	0.53	-999
AGR-05-249	A162532	3.99	0.04	1.48	14.94	62.91	2.52	0.43	-999
AGR-05-249	A162533	4.49	0.12	1.40	15.40	61.59	2.58	0.53	-999
AGR-05-249	A162534	5.87	0.06	1.95	16.52	55.50	3.02	0.68	-999
AGR-05-249	A162535	7.67	0.20	2.27	15.03	53.68	3.53	0.73	-999
AGR-05-249	A162536	3.49	0.04	1.07	14.76	65.85	2.92	0.30	-999
AGR-05-249	A162537	6.96	0.12	1.91	15.74	54.73	3.21	0.51	-999
AGR-05-249	A162538	5.04	0.10	2.28	14.32	61.93	1.84	0.42	-999
AGR-05-249	A162539	6.65	0.14	2.33	14.20	57.89	3.00	0.64	-999
AGR-05-249	A162540	8.63	0.15	2.62	14.29	52.90	2.88	0.76	-999
AGR-05-249	A162541	12.91	0.26	3.87	11.93	46.25	3.49	1.63	-999
AGR-05-249	A162542	9.78	0.17	3.19	13.29	52.07	2.80	1.05	-999
AGR-05-249	A162543	8.21	0.08	2.51	14.25	53.62	3.09	0.73	-999
AGR-05-249	A162544	4.19	0.01	1.46	14.20	65.16	1.88	0.34	-999
AGR-05-249	A162545	4.13	0.08	1.27	14.47	64.28	2.46	0.37	-999
AGR-05-249	A162546	15.71	0.36	4.33	11.25	43.65	3.53	2.32	-999
AGR-05-249	A162547	19.90	0.42	3.86	10.20	39.69	3.75	2.81	-999
AGR-05-249	A162548	8.27	0.28	2.19	13.88	55.00	2.37	0.58	-999

Signature: 

Date: 1/11/07

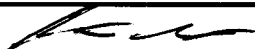
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-249	A162549	2.68	0.08	0.93	14.94	65.34	2.16	0.22	-999
AGR-05-249	A162550	3.96	0.08	1.35	15.46	62.70	2.54	0.37	-999
AGR-05-249	A162551	1.87	-0.08	0.52	15.36	68.35	1.90	0.18	-999
AGR-05-249	A162552	1.70	-0.08	0.53	15.87	67.45	2.41	0.18	-999
AGR-05-249	A162553	5.47	0.06	1.40	15.41	60.12	2.30	0.50	-999
AGR-05-249	A162554	11.57	-0.07	2.96	12.12	51.04	1.99	0.67	-999
AGR-05-249	A162555	10.34	0.11	2.22	14.33	50.52	1.91	0.68	-999
AGR-05-249	A162556	8.06	0.07	2.12	15.30	53.11	2.68	0.70	-999
AGR-05-249	A162558	17.60	0.25	3.06	11.89	43.97	2.87	2.39	-999
AGR-05-249	A162559	17.54	0.26	3.18	12.13	44.08	2.89	2.57	-999
AGR-05-249	A162560	4.77	-0.01	1.34	14.53	62.91	2.18	0.46	-999
AGR-05-249	A162561	6.63	0.00	1.94	14.67	56.27	2.31	0.64	-999
AGR-05-249	A162562	8.10	0.02	2.10	14.69	54.06	3.18	0.68	-999
AGR-05-249	A162563	6.23	-0.03	1.53	14.56	59.00	3.06	0.52	-999
AGR-05-249	A162564	5.47	-0.01	1.14	14.87	60.52	2.82	0.53	-999
AGR-05-249	A162565	15.94	0.28	3.53	10.80	44.25	3.60	2.37	-999
AGR-05-249	A162566	5.18	0.02	1.25	15.14	61.51	2.17	0.49	-999
AGR-05-249	A162567	4.44	0.05	1.18	14.92	63.34	2.30	0.48	-999
AGR-05-249	A162568	4.38	0.00	1.12	15.29	63.97	2.24	0.46	-999
AGR-05-249	A162569	4.45	-0.01	1.18	14.72	63.81	2.01	0.44	-999
AGR-05-249	A162570	6.83	0.13	2.28	14.56	55.63	2.06	0.71	-999
AGR-05-249	A162571	8.87	0.23	2.32	13.75	52.47	2.42	0.59	-999
AGR-05-249	A162572	6.93	0.44	2.59	15.17	52.94	2.65	0.86	-999
AGR-05-249	A162573	6.77	0.32	2.55	15.58	53.13	2.67	0.68	-999
AGR-05-249	A162574	6.60	0.26	2.46	15.12	53.63	3.57	0.61	-999
AGR-05-249	A162575	5.64	0.28	2.52	15.24	55.29	2.60	0.52	-999
AGR-05-249	A162576	4.66	0.16	1.87	16.37	56.02	3.30	0.39	-999
AGR-05-249	A162577	3.05	0.02	1.15	14.14	65.81	1.91	0.27	-999
AGR-05-249	A162578	8.08	0.27	3.54	14.11	51.40	2.16	0.64	-999
AGR-05-249	A162579	5.70	0.22	1.56	13.82	59.27	2.03	0.60	-999
AGR-05-249	A162580	10.52	0.58	2.22	14.95	47.79	3.05	1.38	-999
AGR-05-249	A162581	7.30	0.26	2.42	15.32	51.39	3.34	0.70	-999
AGR-05-249	A162582	4.21	0.19	1.73	15.53	58.87	3.32	0.51	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-249	A162583	6.39	0.15	2.92	15.29	52.57	3.61	0.45	-999
AGR-05-249	A162584	6.23	0.23	3.62	14.73	52.32	3.36	0.44	-999
AGR-05-249	A162585	10.64	0.17	13.83	10.21	38.88	1.43	0.83	-999
AGR-05-249	A162586	4.11	0.10	2.12	15.31	58.58	3.69	0.38	-999
AGR-05-249	A162587	5.87	0.13	5.08	13.28	52.71	4.57	0.45	-999
AGR-05-249	A162588	7.72	0.39	4.94	13.49	48.67	4.61	0.57	-999
AGR-05-249	A162589	9.11	0.12	7.99	11.24	47.18	2.95	0.55	-999
AGR-05-249	A162590	9.42	0.09	10.11	9.53	45.42	4.11	0.41	-999
AGR-05-249	A162591	9.54	0.05	10.74	9.39	41.58	4.58	0.42	-999
AGR-05-249	A162592	6.24	0.13	3.69	13.31	54.35	2.59	0.49	-999
AGR-05-249	A162593	12.43	0.24	6.25	10.59	41.75	5.63	1.83	-999
AGR-05-249	A162594	8.13	0.13	3.49	12.97	48.85	3.23	0.56	-999
AGR-05-249	A162595	5.18	0.11	2.91	13.86	57.24	1.90	0.46	-999
AGR-05-249	A162596	4.76	0.24	2.51	14.56	58.91	1.81	0.46	-999
AGR-05-249	A162597	6.64	0.16	3.30	13.57	54.85	2.64	0.59	-999
AGR-05-249	A162598	5.60	0.17	2.15	14.86	56.46	3.02	0.53	-999
AGR-05-249	A162599	5.69	0.19	2.95	14.34	54.81	3.96	0.55	-999
AGR-05-249	A162600	9.91	0.52	6.32	12.33	45.26	3.36	0.84	-999
AGR-05-249	A162601	3.47	0.04	1.64	15.03	61.74	1.39	0.36	-999
AGR-05-249	A162602	5.99	0.12	3.24	14.34	54.93	1.69	0.54	-999
AGR-05-249	A162603	4.92	0.09	2.07	14.90	60.40	1.38	0.50	-999
AGR-05-249	A162604	7.40	0.17	2.47	14.16	55.19	2.17	0.72	-999
AGR-05-249	A162605	5.27	0.14	2.48	14.51	57.10	2.35	0.45	-999
AGR-05-249	A162606	4.61	0.08	1.89	14.67	60.55	2.24	0.44	-999
AGR-05-249	A162607	3.31	0.02	1.22	15.35	63.66	1.68	0.28	-999
AGR-05-249	A162608	6.92	0.10	2.40	13.90	57.86	1.67	0.59	-999
AGR-05-249	A162609	5.93	0.13	1.80	14.48	61.02	1.41	0.60	-999
AGR-05-249	A162610	7.15	0.34	2.23	15.04	55.32	1.93	0.71	-999
AGR-05-249	A162611	4.56	0.12	1.37	15.24	62.82	1.02	0.51	-999
AGR-05-249	A162612	3.65	0.05	1.39	15.80	63.99	1.51	0.39	-999
AGR-05-249	A162613	4.46	-0.02	1.71	15.97	61.14	2.37	0.35	-999
AGR-05-249	A162614	6.62	0.14	2.41	15.07	55.19	2.46	0.48	-999
AGR-05-249	A162615	4.87	-0.03	1.69	16.59	58.08	2.26	0.28	-999

Signature: 

Date: 1/11/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-249	A162616	5.45	0.02	2.04	14.31	60.57	2.21	0.44	-999
AGR-05-249	A162617	5.35	-0.02	1.96	14.54	57.60	3.55	0.47	-999
AGR-05-249	A162618	5.69	-0.01	2.24	14.57	59.75	2.00	0.45	-999
AGR-05-249	A162619	3.88	-0.03	1.53	15.05	63.66	1.70	0.36	-999
AGR-05-249	A162620	4.54	-0.03	2.33	14.43	60.08	2.91	0.40	-999
AGR-05-249	A162621	7.47	-0.01	2.69	14.45	55.37	1.56	0.74	-999
AGR-05-249	A162622	3.66	-0.06	0.77	12.38	70.27	1.57	0.26	-999
AGR-05-249	A162623	5.90	0.02	2.26	13.84	59.12	1.82	0.52	-999
AGR-05-249	A162624	6.75	0.02	2.51	14.33	58.06	1.64	0.55	-999
AGR-05-249	A162625	6.83	0.05	2.86	14.43	56.85	1.81	0.61	-999
AGR-05-249	A162626	6.20	0.03	2.89	14.31	57.53	1.80	0.56	-999
AGR-05-249	A162627	6.54	0.10	2.57	14.71	56.67	1.94	0.63	-999
AGR-05-249	A162628	4.19	-0.05	1.43	14.91	63.57	1.54	0.35	-999
AGR-05-249	A162629	5.28	0.00	2.43	14.50	60.06	1.82	0.47	-999
AGR-05-249	A162630	7.30	0.15	2.57	13.94	53.90	2.26	0.57	-999
AGR-05-249	A162631	7.47	0.48	2.47	13.37	53.85	2.36	0.73	-999
AGR-05-249	A162632	13.84	0.43	3.11	13.08	45.92	2.56	2.09	-999
AGR-05-249	A162633	4.89	0.34	1.91	14.44	58.37	2.26	0.64	-999
AGR-05-249	A162634	6.22	0.13	2.28	13.20	59.08	1.95	0.66	-999
AGR-05-249	A162635	2.47	0.11	0.73	11.84	70.92	0.92	0.21	-999
AGR-05-249	A162636	8.36	0.20	2.26	13.18	52.96	3.61	0.75	-999
AGR-05-249	A162637	7.97	0.10	2.25	13.60	54.70	2.75	0.74	-999
AGR-05-249	A162638	6.09	0.10	1.77	13.24	60.15	1.97	0.64	-999
AGR-05-249	A162639	9.57	0.43	4.79	12.85	48.31	2.64	1.35	-999
AGR-05-249	A162640	4.70	0.12	1.81	13.40	62.24	1.77	0.65	-999
AGR-05-249	A162641	10.21	0.01	10.32	11.36	43.32	1.74	0.78	-999
AGR-05-249	A162642	6.45	0.05	3.85	11.75	59.11	1.13	0.48	-999
AGR-05-249	A162643	8.23	0.08	6.39	11.70	51.05	1.47	0.56	-999
AGR-05-249	A162644	4.40	0.13	2.25	13.32	60.86	1.49	0.37	-999
AGR-05-249	A162645	7.68	-0.01	3.11	12.92	52.85	2.84	0.54	-999
AGR-05-249	A162646	8.18	-0.04	2.70	13.40	54.16	2.12	0.57	-999
AGR-05-249	A162647	6.69	0.23	2.66	12.37	58.10	1.21	0.37	-999
AGR-05-249	A162648	16.73	1.21	5.77	8.47	44.92	3.76	1.35	-999

Signature: 

Date: 1/11/07

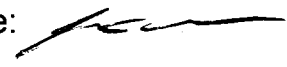
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-249	A162649	17.40	1.56	6.02	7.05	42.55	4.63	2.78	-999
AGR-05-249	A162650	17.89	4.49	5.33	6.32	35.59	9.09	2.88	-999
AGR-05-249	A162651	17.90	4.94	4.87	5.12	33.77	10.40	4.00	-999
AGR-05-249	A162652	17.52	6.11	5.33	5.55	33.62	11.03	3.54	-999
AGR-05-249	A162653	17.00	4.51	5.83	5.53	35.94	9.19	3.42	-999
AGR-05-249	A162654	20.44	4.85	5.06	5.48	32.02	9.63	3.10	-999
AGR-05-249	A162655	18.46	3.59	6.47	6.69	33.95	7.79	4.40	-999
AGR-05-249	A162656	19.49	1.52	6.85	7.93	34.84	5.19	4.06	-999
AGR-05-249	A162657	18.56	7.65	6.16	4.42	29.50	12.65	3.35	-999
AGR-05-249	A162658	18.27	0.60	7.30	8.25	37.03	4.62	3.62	-999
AGR-05-249	A162659	17.97	4.08	7.16	5.42	34.71	8.39	3.23	-999
AGR-05-249	A162660	17.03	4.97	7.32	4.50	33.57	9.05	3.58	-999
AGR-05-249	A162661	21.68	1.55	7.28	5.03	35.95	5.32	4.70	-999
AGR-05-249	A162662	19.61	2.33	6.87	5.89	38.09	5.50	3.73	-999
AGR-05-249	A162663	23.56	1.96	6.51	5.04	36.28	5.71	4.73	-999
AGR-05-249	A162664	19.33	4.68	7.72	5.02	31.48	8.79	3.21	-999
AGR-05-249	A162665	22.93	3.43	7.10	4.56	32.41	7.63	4.41	-999
AGR-05-249	A162666	22.23	0.09	6.60	7.05	38.10	4.52	4.25	-999
AGR-05-249	A162667	21.87	2.68	7.35	5.09	34.02	6.71	6.09	-999
AGR-05-249	A162668	20.11	2.02	7.66	6.68	34.98	4.78	3.38	-999
AGR-05-249	A162669	18.67	5.27	7.53	5.05	31.94	8.77	2.91	-999
AGR-05-249	A162670	19.91	7.18	6.00	5.76	28.92	11.20	2.95	-999
AGR-05-249	A162671	20.35	7.04	5.73	4.72	29.88	11.52	3.14	-999
AGR-05-249	A162672	19.14	5.32	6.56	4.17	34.85	9.09	3.41	-999
AGR-05-249	A162673	18.36	6.87	6.60	4.09	32.01	11.40	3.35	-999
AGR-05-249	A162674	19.88	4.48	5.89	4.39	38.08	7.67	3.95	-999
AGR-05-249	A162675	31.21	7.81	5.89	2.07	29.72	11.04	3.18	-999
AGR-05-249	A162676	10.21	6.46	3.21	0.59	60.54	9.18	0.60	-999
AGR-05-249	A162677	7.36	8.15	2.40	0.72	59.76	10.90	0.43	-999
AGR-05-249	A162678	13.20	24.91	2.31	1.01	17.30	33.25	1.19	-999
AGR-05-249	A162679	2.45	2.87	0.86	0.33	83.49	4.18	0.09	-999

Signature: 

Date: 1/5/10/07

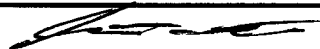
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-250	A162680	5.61	0.83	2.29	14.34	58.55	1.87	0.60	-999
AGR-05-250	A162681	6.03	0.98	2.35	14.58	57.09	1.97	0.73	-999
AGR-05-250	A162682	5.10	0.09	2.15	14.92	61.02	0.84	0.59	-999
AGR-05-250	A162683	4.85	0.27	2.01	14.61	60.19	1.27	0.67	-999
AGR-05-250	A162684	7.17	0.37	2.50	14.55	57.10	1.36	0.82	-999
AGR-05-250	A162685	3.61	0.15	1.71	15.38	64.11	1.03	0.59	-999
AGR-05-250	A162686	6.05	0.03	2.52	15.00	60.69	0.85	0.58	-999
AGR-05-250	A162687	4.05	0.13	1.72	14.51	64.74	0.95	0.38	-999
AGR-05-250	A162688	5.73	0.10	1.86	14.05	61.04	1.14	0.78	-999
AGR-05-250	A162689	7.37	0.29	2.99	15.18	54.77	1.89	0.65	-999
AGR-05-250	A162690	6.60	0.24	2.52	14.00	58.57	1.58	0.61	-999
AGR-05-250	A162691	7.09	0.04	2.72	13.81	57.52	1.59	0.59	-999
AGR-05-250	A162692	15.79	0.24	3.52	11.25	46.94	1.84	1.81	-999
AGR-05-250	A162693	8.01	0.04	3.04	13.29	55.55	1.32	0.59	-999
AGR-05-250	A162694	8.30	0.02	3.01	13.42	56.24	1.39	0.68	-999
AGR-05-250	A162695	5.49	0.04	1.90	14.43	60.25	1.32	0.55	-999
AGR-05-250	A162696	4.09	0.01	1.67	14.59	62.81	1.21	0.41	-999
AGR-05-250	A162697	4.20	0.00	1.81	15.01	61.79	1.78	0.47	-999
AGR-05-250	A162698	3.88	0.00	1.83	15.62	61.10	1.71	0.45	-999
AGR-05-250	A162699	5.52	0.12	1.81	14.54	59.76	1.73	0.76	-999
AGR-05-250	A162700	17.99	0.41	3.58	9.86	46.75	2.89	3.64	-999
AGR-05-250	A162701	4.75	0.03	1.77	13.59	62.42	1.26	0.48	-999
AGR-05-250	A162702	5.88	-0.01	2.29	14.62	59.00	1.67	0.59	-999
AGR-05-250	A162703	6.92	-0.02	2.55	14.30	57.88	1.34	0.62	-999
AGR-05-250	A162704	8.22	-0.01	3.28	13.66	55.21	1.43	0.63	-999
AGR-05-250	A162705	5.75	0.01	2.63	14.29	59.42	1.40	0.47	-999
AGR-05-250	A162706	3.80	-0.03	1.69	14.71	64.17	1.15	0.46	-999
AGR-05-250	A162707	3.87	0.02	1.63	15.29	63.34	0.97	0.55	-999
AGR-05-250	A162708	2.91	-0.04	1.21	14.75	65.75	1.75	0.33	-999
AGR-05-250	A162709	2.69	-0.05	1.45	15.69	65.28	1.05	0.34	-999
AGR-05-250	A162710	3.13	-0.03	1.51	14.84	65.06	1.10	0.36	-999
AGR-05-250	A162711	3.87	-0.02	1.88	14.52	65.34	0.86	0.29	-999
AGR-05-250	A162712	3.32	-0.05	1.65	16.13	64.00	1.50	0.26	-999

Signature: 

Date: 1/11/07

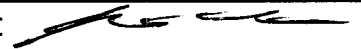
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-250	A162713	3.23	-0.04	2.06	16.26	63.79	1.32	0.31	-999
AGR-05-250	A162714	9.35	0.09	3.62	15.48	52.41	1.70	0.70	-999
AGR-05-250	A162715	9.15	0.00	3.75	14.63	55.45	1.41	0.68	-999
AGR-05-250	A162716	10.21	0.00	3.69	14.81	53.24	1.32	0.72	-999
AGR-05-250	A162717	9.55	0.00	3.65	14.06	53.13	1.70	0.77	-999
AGR-05-250	A162718	4.98	-0.01	2.35	14.63	62.00	1.05	0.42	-999
AGR-05-250	A162719	5.93	-0.02	2.37	14.19	59.79	0.83	0.50	-999
AGR-05-250	A162720	7.04	-0.05	2.75	14.50	56.98	0.90	0.57	-999
AGR-05-250	A162721	6.36	0.01	2.79	15.44	57.24	0.96	0.38	-999
AGR-05-250	A162722	9.95	-0.05	3.66	13.94	52.84	1.01	0.62	-999
AGR-05-250	A162723	6.06	-0.02	2.37	15.08	58.53	0.75	0.50	-999
AGR-05-250	A162724	6.38	0.10	2.21	15.58	55.82	0.85	0.63	-999
AGR-05-250	A162725	11.87	0.11	3.24	13.56	49.04	1.23	0.98	-999
AGR-05-250	A162726	9.98	0.03	2.88	13.67	52.52	1.05	0.76	-999
AGR-05-250	A162727	5.92	-0.03	2.00	14.23	59.58	0.72	0.49	-999
AGR-05-250	A162728	10.30	0.03	3.44	14.14	49.65	1.23	0.94	-999
AGR-05-250	A162729	9.15	0.02	2.57	13.82	54.05	0.93	0.67	-999
AGR-05-250	A162730	9.92	0.04	2.56	13.43	53.86	0.97	0.77	-999
AGR-05-250	A162731	8.61	0.19	2.23	14.32	53.80	1.12	0.64	-999
AGR-05-250	A162732	9.09	0.52	2.36	14.13	53.29	1.63	0.62	-999
AGR-05-250	A162733	7.60	0.37	2.15	14.55	54.78	1.46	0.65	-999
AGR-05-250	A162734	8.23	0.55	2.06	15.00	53.22	1.75	0.84	-999
AGR-05-250	A162735	9.66	0.60	2.23	14.39	51.40	1.85	1.03	-999
AGR-05-250	A162736	11.35	0.68	3.31	12.86	49.14	2.13	1.54	-999
AGR-05-250	A162737	13.77	0.27	2.80	12.42	48.77	1.44	1.85	-999
AGR-05-250	A162738	18.47	0.41	2.29	11.16	42.80	1.54	1.43	-999
AGR-05-250	A162739	10.44	0.67	2.66	13.75	47.68	2.33	1.67	-999
AGR-05-250	A162740	15.73	0.39	3.48	11.33	42.83	2.51	2.00	-999
AGR-05-250	A162741	16.26	0.36	4.12	10.91	42.01	3.26	2.33	-999
AGR-05-250	A162742	15.64	0.53	5.38	10.03	40.91	4.37	2.99	-999
AGR-05-250	A162743	15.75	0.39	4.67	10.80	42.28	2.29	1.97	-999
AGR-05-250	A162744	16.71	0.73	5.22	9.22	39.38	4.93	3.00	-999
AGR-05-250	A162745	18.27	1.15	4.88	8.28	39.11	5.95	3.47	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-250	A162746	20.61	0.85	4.66	8.25	38.33	4.96	4.08	-999
AGR-05-250	A162747	16.35	1.80	3.69	8.33	43.70	5.10	4.63	-999
AGR-05-250	A162748	23.12	1.06	3.99	7.25	40.27	3.54	4.21	-999
AGR-05-250	A162749	20.56	1.08	3.44	8.49	41.93	2.58	4.83	-999
AGR-05-250	A162750	18.06	2.23	2.31	6.93	45.75	4.06	4.33	-999
AGR-05-250	A162751	26.41	4.44	1.97	4.86	32.48	6.13	3.64	-999
AGR-05-250	A162752	26.77	2.68	3.31	5.24	34.02	4.69	4.46	-999
AGR-05-250	A162753	23.62	2.83	3.09	5.24	37.87	5.18	4.75	-999
AGR-05-250	A162754	21.93	7.04	4.17	5.05	28.24	11.20	3.61	-999
AGR-05-250	A162755	23.82	3.73	5.14	5.00	31.71	6.68	3.59	-999
AGR-05-250	A162756	20.27	4.95	5.41	5.10	32.03	8.77	3.82	-999
AGR-05-250	A162757	20.37	4.82	6.01	5.30	32.05	8.37	3.84	-999
AGR-05-250	A162758	20.03	2.92	7.11	5.25	34.34	5.91	3.39	-999
AGR-05-250	A162759	20.69	2.49	6.47	6.72	33.59	5.53	3.67	-999
AGR-05-250	A162760	21.70	0.94	6.60	4.68	40.26	3.42	3.31	-999
AGR-05-250	A162761	20.09	3.02	6.69	4.84	34.62	6.19	3.09	-999
AGR-05-250	A162762	18.80	3.50	5.85	4.57	39.15	6.84	3.18	-999
AGR-05-250	A162763	19.40	4.89	5.58	6.33	33.00	9.18	3.73	-999
AGR-05-250	A162764	29.95	2.64	4.28	5.24	29.07	4.97	2.14	-999
AGR-05-250	A162765	29.15	2.42	4.67	4.08	27.60	5.02	2.06	-999
AGR-05-250	A162766	3.34	3.49	0.61	0.44	81.28	4.76	0.19	-999
AGR-05-250	A162767	10.75	7.69	3.85	1.92	47.62	12.21	1.00	-999
AGR-05-250	A162768	11.11	6.37	3.18	1.57	53.71	9.65	0.86	-999
AGR-05-250	A162769	14.17	9.30	4.22	2.22	38.48	14.05	1.18	-999
AGR-05-250	A162770	13.50	9.11	4.90	2.46	37.56	13.58	1.51	-999
AGR-05-250	A162771	32.41	1.83	5.23	4.07	35.27	4.03	5.78	-999
AGR-05-250	A162772	17.51	6.23	4.36	1.98	39.87	9.93	1.11	-999
AGR-05-250	A162773	12.76	9.11	5.44	1.17	38.94	14.00	0.79	-999
AGR-05-250	A162774	14.28	8.70	3.82	1.74	41.25	13.22	1.10	-999
AGR-05-250	A162775	14.38	10.72	2.42	0.78	40.82	14.88	0.68	-999
AGR-05-250	A162776	7.59	0.09	0.57	0.43	83.10	0.39	0.12	-999
AGR-05-250	A162777	13.85	17.98	3.01	1.15	23.29	25.45	1.17	-999
AGR-05-250	A162778	34.80	5.75	2.39	0.98	34.66	8.24	3.82	-999

Signature: 

Date: 15/1/07

Name: Steven Clinton

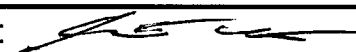
Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-250	A162779	8.50	4.63	1.79	0.56	67.14	6.53	0.70	-999
AGR-05-250	A162780	5.10	2.92	1.73	0.59	75.13	4.32	0.43	-999
AGR-05-250	A162781	20.71	3.81	6.27	4.12	35.65	7.48	3.08	-999
AGR-05-250	A162782	24.16	3.28	5.99	3.86	32.92	6.31	2.46	-999
AGR-05-250	A162783	21.03	5.72	4.84	4.97	33.25	9.56	3.49	-999
AGR-05-250	A162784	20.97	2.46	7.66	4.63	36.04	5.53	4.05	-999
AGR-05-250	A162785	24.02	2.28	7.28	5.27	33.93	5.36	4.20	-999
AGR-05-250	A162786	26.38	1.00	7.70	5.68	34.47	4.70	4.19	-999
AGR-05-250	A162787	25.06	0.82	7.62	6.44	35.82	5.69	4.65	-999
AGR-05-250	A162788	26.72	1.53	7.48	5.95	33.69	5.68	4.88	-999
AGR-05-250	A162789	24.53	1.43	8.58	4.88	33.39	5.06	3.59	-999
AGR-05-250	A162790	25.35	0.98	8.18	5.09	33.39	4.91	4.27	-999
AGR-05-250	A162791	23.25	1.39	8.32	5.32	32.49	5.82	4.31	-999
AGR-05-250	A162792	24.09	2.45	7.38	5.73	32.38	6.87	4.63	-999
AGR-05-250	A162793	28.24	0.44	7.77	6.45	35.66	4.21	5.16	-999
AGR-05-250	A162794	26.76	0.87	7.80	5.72	33.11	5.36	5.02	-999
AGR-05-250	A162795	26.94	1.20	6.75	6.66	33.98	6.30	5.76	-999
AGR-05-250	A162796	27.08	1.21	6.74	6.11	33.20	5.93	5.20	-999
AGR-05-250	A162797	25.47	0.93	7.35	6.69	33.12	7.08	5.53	-999
AGR-05-250	A162798	22.94	1.82	7.26	6.17	32.80	6.48	4.47	-999
AGR-05-250	A162799	24.47	0.60	7.55	7.39	33.78	6.46	5.65	-999
AGR-05-250	A162800	23.46	0.76	7.55	6.45	33.27	6.42	4.73	-999
AGR-05-250	A162801	26.22	2.41	6.57	6.15	31.88	6.51	4.50	-999
AGR-05-250	A162802	27.09	0.98	7.32	5.54	31.79	4.96	4.30	-999
AGR-05-250	A162803	28.86	0.74	7.34	6.09	32.41	4.78	5.21	-999
AGR-05-250	A162804	25.31	0.45	8.92	4.75	32.81	4.06	3.54	-999
AGR-05-250	A162805	24.86	0.22	9.47	5.04	34.60	3.64	3.45	-999
AGR-05-250	A162806	23.22	0.17	10.38	3.92	34.23	3.82	2.85	-999
AGR-05-250	A162807	25.92	1.43	7.84	4.56	33.35	4.49	3.51	-999
AGR-05-250	A162808	25.11	1.27	8.37	5.35	32.28	6.37	4.61	-999
AGR-05-250	A162809	24.22	1.33	8.36	5.33	31.29	6.44	4.33	-999
AGR-05-250	A162810	24.91	0.62	8.27	5.27	32.12	7.24	4.80	-999
AGR-05-250	A162811	25.03	1.43	9.77	4.93	30.94	5.17	3.99	-999

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Date: 15/1/07

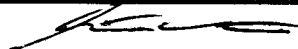
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-250	A162812	20.21	2.73	10.49	4.39	31.21	6.23	3.00	-999
AGR-05-250	A162813	22.34	1.24	9.61	4.02	32.36	5.87	4.59	-999
AGR-05-250	A162814	22.87	1.39	10.13	4.00	31.95	5.83	3.60	-999
AGR-05-250	A162815	21.82	4.27	8.39	4.96	29.00	8.44	3.95	-999
AGR-05-250	A162816	23.72	0.60	9.13	5.72	31.39	5.32	4.28	-999
AGR-05-250	A162817	23.53	1.18	9.56	4.49	31.82	6.20	3.69	-999
AGR-05-250	A162818	22.63	0.72	10.16	4.59	33.39	6.01	3.70	-999
AGR-05-250	A162819	20.95	9.16	6.60	2.91	26.80	14.88	2.90	-999
AGR-05-250	A162820	20.17	7.84	6.83	3.37	29.55	13.11	3.39	-999
AGR-05-250	A162821	20.38	4.72	8.71	4.28	30.54	8.57	2.84	-999
AGR-05-250	A162822	11.27	11.97	2.23	0.51	50.00	15.88	0.87	-999
AGR-05-250	A162823	14.37	14.17	3.24	0.99	37.38	18.93	1.30	-999
AGR-05-250	A162824	16.10	13.82	3.47	0.92	35.94	18.60	1.25	-999
AGR-05-250	A162825	19.36	17.55	4.00	1.13	23.65	24.46	1.62	-999
AGR-05-250	A162826	15.80	12.51	2.72	1.15	41.25	16.65	1.05	-999
AGR-05-250	A162827	10.83	6.70	1.80	0.52	62.91	9.10	0.55	-999
AGR-05-250	A162828	8.00	5.49	1.70	0.36	69.74	7.75	0.44	-999
AGR-05-250	A162829	10.84	9.46	1.87	0.45	56.13	12.59	0.64	-999
AGR-05-250	A162830	7.23	3.87	0.86	0.22	75.81	5.47	0.29	-999
AGR-05-250	A162831	8.03	7.78	1.12	0.34	64.76	9.71	0.41	-999
AGR-05-250	A162832	7.05	5.47	1.02	0.29	73.03	7.16	0.37	-999
AGR-05-250	A162833	7.99	8.58	1.62	0.33	61.22	12.14	0.47	-999
AGR-05-250	A162834	7.21	6.05	1.94	0.47	68.89	8.10	0.47	-999
AGR-05-250	A162835	8.13	5.33	1.52	0.39	69.58	7.17	0.49	-999

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Date: 1/11/07

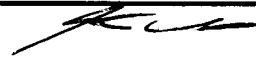
Name: Steven Clinton

Title: Laboratory Supervisor

assessment assays

1/11/2007

Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-251	A162836	24.68	7.21	1.92	6.70	32.52	10.77	4.49	-999
AGR-05-251	A162837	25.11	4.66	2.18	5.65	36.75	7.07	4.01	-999
AGR-05-251	A162838	26.47	3.42	3.29	6.06	36.60	5.94	5.41	-999
AGR-05-251	A162839	25.23	4.49	3.26	6.76	34.19	7.57	4.28	-999
AGR-05-251	A162840	23.76	5.17	2.42	6.87	35.13	9.58	6.66	-999
AGR-05-251	A162841	32.34	1.80	4.59	5.49	32.99	4.05	5.24	-999
AGR-05-251	A162842	27.44	1.32	4.09	6.75	37.02	4.13	4.83	-999
AGR-05-251	A162843	30.07	4.81	2.95	5.84	30.48	6.76	4.89	-999
AGR-05-251	A162844	30.35	1.94	3.50	7.55	31.77	4.01	4.31	-999
AGR-05-251	A162845	21.99	2.28	5.84	6.96	36.13	5.31	3.59	-999
AGR-05-251	A162846	26.29	2.10	4.69	5.05	36.88	4.97	3.66	-999
AGR-05-251	A162847	19.51	1.33	7.77	3.29	43.33	4.12	3.48	-999
AGR-05-251	A162848	18.83	4.86	6.79	4.37	37.64	8.49	2.70	-999
AGR-05-251	A162849	20.93	3.64	6.59	6.86	34.17	7.28	3.18	-999
AGR-05-251	A162850	28.00	5.01	5.94	5.04	26.85	8.28	3.09	-999
AGR-05-251	A162851	18.37	5.91	5.20	4.59	38.75	8.96	2.16	-999
AGR-05-251	A162852	18.96	4.81	3.94	4.13	45.54	7.37	1.55	-999
AGR-05-251	A162853	20.97	4.60	5.34	4.47	36.23	9.32	3.09	-999
AGR-05-251	A162854	19.84	4.95	5.01	4.26	39.09	9.17	3.83	-999
AGR-05-251	A162855	42.83	1.61	2.67	4.10	24.73	2.69	3.42	-999
AGR-05-251	A162856	23.87	3.20	5.23	5.02	35.04	6.49	3.13	-999
AGR-05-251	A162857	17.86	5.90	6.58	5.55	37.38	9.13	2.48	-999
AGR-05-251	A162858	13.44	4.36	5.76	2.30	51.17	7.00	1.57	-999
AGR-05-251	A162859	10.10	5.42	2.75	1.31	61.25	7.36	0.68	-999
AGR-05-251	A162860	6.70	5.63	1.92	1.03	66.55	7.62	0.58	-999
AGR-05-251	A162861	12.81	8.88	2.58	1.79	49.19	12.60	1.45	-999
AGR-05-251	A162862	31.27	12.46	2.03	1.49	27.02	16.64	3.35	-999
AGR-05-251	A162863	13.66	11.71	2.05	1.45	41.07	16.74	1.10	-999
AGR-05-251	A162864	29.29	11.58	1.38	1.10	30.47	16.24	2.88	-999
AGR-05-251	A162865	12.61	25.31	2.18	1.44	13.82	32.94	1.19	-999
AGR-05-251	A162866	15.10	21.33	3.00	1.69	20.12	28.44	1.81	-999
AGR-05-251	A162867	11.30	24.14	2.91	1.80	15.80	31.97	1.83	-999
AGR-05-251	A162868	11.52	29.14	1.78	1.16	8.45	37.24	1.96	-999

Signature: 

Date: 15/1/07


Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-251	A162869	14.42	28.14	1.61	1.35	9.35	36.89	2.10	-999
AGR-05-251	A162870	14.46	28.55	0.50	0.79	7.01	39.16	2.08	-999
AGR-05-251	A162871	23.23	26.19	0.43	0.71	6.67	34.25	2.25	-999
AGR-05-251	A162872	20.59	27.54	0.34	0.62	6.21	37.52	1.72	-999
AGR-05-251	A162873	13.41	28.02	0.32	0.67	10.99	38.08	1.24	-999
AGR-05-251	A162874	28.44	16.40	0.33	0.37	23.25	21.14	0.41	-999
AGR-05-251	A162875	11.79	4.57	0.21	0.29	63.54	5.32	0.31	-999
AGR-05-251	A162876	27.12	3.25	0.27	0.25	53.95	3.34	0.32	-999
AGR-05-251	A162877	17.12	7.18	0.32	0.83	54.63	9.58	0.56	-999
AGR-05-251	A162878	12.84	7.84	0.28	0.42	58.98	9.78	0.81	-999
AGR-05-251	A162879	21.57	5.52	0.15	0.27	53.34	6.57	0.50	-999
AGR-05-251	A162880	23.19	8.65	0.17	0.35	44.61	10.65	0.63	-999
AGR-05-251	A162881	19.05	4.21	0.08	0.29	61.12	4.82	0.29	-999
AGR-05-251	A162882	2.77	6.03	0.04	0.29	76.42	7.94	0.09	-999
AGR-05-251	A162883	12.74	2.49	0.05	0.18	71.55	2.83	0.02	-999
AGR-05-251	A162884	8.46	1.81	0.02	0.33	78.75	2.13	0.05	-999
AGR-05-251	A162885	8.86	3.08	0.04	0.23	76.64	3.65	0.19	-999
AGR-05-251	A162886	17.29	4.21	0.10	0.20	62.37	5.08	0.30	-999
AGR-05-251	A162887	29.93	4.02	0.11	0.33	47.85	4.31	0.41	-999
AGR-05-251	A162888	24.57	4.52	0.10	0.23	52.95	5.16	0.43	-999
AGR-05-251	A162889	15.76	5.02	0.08	0.23	61.77	5.82	0.70	-999
AGR-05-251	A162890	18.63	4.63	0.04	0.26	58.80	5.37	0.18	-999
AGR-05-251	A162891	8.98	4.96	0.05	0.30	71.07	6.16	0.22	-999
AGR-05-251	A162892	2.53	2.07	2.84	0.30	75.43	6.02	0.21	-999
AGR-05-251	A162893	2.14	1.66	-0.05	0.20	90.30	2.18	0.05	-999
AGR-05-251	A162894	5.98	4.66	0.06	0.26	78.30	6.08	0.61	-999
AGR-05-251	A162895	12.45	6.10	0.08	0.22	65.37	7.65	0.33	-999
AGR-05-251	A162896	4.82	4.55	0.04	0.27	79.61	5.93	0.18	-999
AGR-05-251	A162897	14.52	6.78	0.12	0.34	60.47	8.64	0.47	-999
AGR-05-251	A162898	5.43	12.50	0.14	0.46	58.27	16.02	0.37	-999
AGR-05-251	A162899	10.57	6.76	0.12	0.18	66.73	8.66	0.32	-999
AGR-05-251	A162900	27.49	5.64	0.14	0.25	49.53	6.73	0.38	-999
AGR-05-251	A162901	16.32	4.69	0.13	0.24	63.85	5.76	0.33	-999

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-251	A162902	23.55	5.12	0.14	0.24	52.85	6.12	0.39	-999
AGR-05-251	A162903	14.05	5.74	0.21	0.24	61.91	7.28	0.46	-999
AGR-05-251	A162904	7.78	7.35	0.14	0.26	67.99	9.54	0.43	-999
AGR-05-251	A162905	9.69	5.03	0.12	0.21	72.26	6.49	0.53	-999
AGR-05-251	A162906	16.42	9.84	0.21	0.34	51.95	12.57	0.93	-999
AGR-05-251	A162907	23.15	22.18	0.34	0.77	13.75	27.39	1.42	-999
AGR-05-251	A162908	8.02	1.84	-0.01	0.11	80.68	2.42	0.05	-999
AGR-05-251	A162909	5.62	4.39	0.05	0.29	77.82	5.82	0.22	-999
AGR-05-251	A162910	6.85	2.09	0.05	0.31	83.67	2.73	0.32	-999
AGR-05-251	A162911	7.55	6.62	0.12	0.90	68.38	8.35	0.47	-999
AGR-05-251	A162912	17.09	23.99	0.33	1.82	16.08	30.74	1.84	-999
AGR-05-251	A162913	7.92	7.01	0.10	0.23	67.87	9.03	0.34	-999
AGR-05-251	A162914	11.86	7.79	0.17	0.22	61.28	10.09	0.73	-999
AGR-05-251	A162915	17.82	8.46	0.19	0.34	53.25	10.64	1.38	-999
AGR-05-251	A162916	13.11	10.60	0.18	0.31	54.46	13.40	0.84	-999
AGR-05-251	A162917	29.44	6.69	0.34	3.70	37.07	6.96	4.07	-999
AGR-05-251	A162918	32.20	9.87	0.38	2.94	32.42	11.65	3.33	-999
AGR-05-251	A162919	10.65	5.93	0.18	0.57	67.47	7.58	0.68	-999
AGR-05-251	A162920	24.85	5.77	0.21	1.83	49.30	6.38	1.54	-999
AGR-05-251	A162921	12.29	5.85	0.20	0.39	66.64	7.57	0.92	-999
AGR-05-251	A162922	47.06	14.61	0.42	2.51	5.67	16.86	2.26	-999
AGR-05-251	A162923	25.58	1.61	1.34	14.51	34.00	2.18	8.79	-999
AGR-05-251	A162924	29.29	2.48	1.23	12.65	30.02	3.42	8.95	-999
AGR-05-251	A162925	28.09	0.64	1.37	15.15	31.59	0.88	9.89	-999
AGR-05-251	A162926	33.56	4.17	0.57	5.99	23.75	3.48	3.24	-999
AGR-05-251	A162927	10.54	7.56	0.23	0.47	62.98	9.90	0.68	-999
AGR-05-251	A162928	32.86	9.59	0.64	12.62	15.95	11.37	6.71	-999
AGR-05-251	A162929	29.38	16.99	0.42	4.07	15.10	21.05	2.11	-999
AGR-05-251	A162930	25.78	20.13	0.38	2.35	16.09	25.38	1.77	-999
AGR-05-251	A162931	15.83	10.35	0.23	0.60	50.08	12.96	1.21	-999
AGR-05-251	A162932	9.45	4.67	0.11	0.32	72.65	6.09	0.53	-999
AGR-05-251	A162933	17.31	12.50	0.28	0.74	43.46	15.63	1.06	-999
AGR-05-251	A162934	11.13	7.57	0.13	0.36	63.01	9.71	0.62	-999

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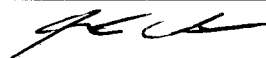
Name: Steven Clinton

Title: Laboratory Supervisor

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-251	A162935	9.61	6.40	0.12	0.32	68.36	8.34	0.57	-999
AGR-05-251	A162936	9.49	6.08	0.13	0.38	69.58	7.87	0.52	-999
AGR-05-251	A162937	11.65	9.21	0.25	1.26	58.43	11.85	1.23	-999
AGR-05-251	A162938	10.99	8.20	0.15	0.39	61.97	10.25	0.52	-999
AGR-05-251	A162939	13.12	8.38	0.16	0.41	59.60	10.53	0.79	-999
AGR-05-251	A162940	12.37	12.17	0.22	0.61	51.07	15.67	0.96	-999
AGR-05-251	A162941	7.74	8.99	0.12	0.62	62.97	11.42	0.41	-999
AGR-05-251	A162942	7.92	8.02	0.12	0.39	65.87	10.38	0.46	-999
AGR-05-251	A162943	9.24	7.86	0.15	0.41	65.24	10.26	0.57	-999
AGR-05-251	A162944	10.08	7.07	0.15	0.37	66.29	9.41	0.68	-999
AGR-05-251	A162945	10.50	8.67	0.18	0.37	61.74	11.17	0.74	-999
AGR-05-251	A162946	6.01	4.85	0.09	0.19	77.06	6.49	0.34	-999
AGR-05-251	A162947	9.10	6.14	0.12	0.20	70.11	8.06	0.61	-999
AGR-05-251	A162948	6.19	5.37	0.19	0.16	75.75	7.23	0.37	-999
AGR-05-251	A162949	7.03	5.25	0.12	0.23	74.66	7.03	0.41	-999
AGR-05-251	A162950	6.38	6.13	0.15	0.25	73.52	8.23	0.36	-999
AGR-05-251	A162951	5.83	4.70	0.27	0.28	77.46	6.23	0.31	-999
AGR-05-251	A162952	15.10	12.50	0.71	0.57	44.58	16.52	0.75	-999
AGR-05-251	A162953	23.75	22.62	2.73	1.03	10.67	28.87	1.41	-999
AGR-05-251	A162954	24.59	14.27	3.13	0.98	22.68	18.83	1.64	-999
AGR-05-251	A162955	14.50	0.10	19.37	2.39	37.78	1.88	1.33	-999
AGR-05-251	A162956	17.53	12.88	7.43	3.62	24.21	18.65	2.83	-999
AGR-05-251	A162957	16.74	12.46	6.31	5.98	21.41	17.95	3.43	-999
AGR-05-251	A162958	16.53	11.65	6.10	4.54	26.80	16.92	2.93	-999
AGR-05-251	A162959	23.63	3.06	8.55	3.65	33.45	5.56	2.88	-999
AGR-05-251	A162960	20.71	2.46	10.21	3.66	36.00	4.99	2.93	-999
AGR-05-251	A162961	7.61	0.03	10.26	1.70	39.95	15.41	0.90	-999
AGR-05-251	A162962	7.09	0.23	12.56	2.14	33.94	17.95	1.01	-999
AGR-05-251	A162963	7.18	0.44	12.50	2.27	34.71	17.84	1.06	-999
AGR-05-251	A162964	7.41	0.25	13.24	2.35	34.43	17.20	1.08	-999
AGR-05-251	A162965	6.48	0.16	10.12	1.86	26.02	23.70	0.86	-999
AGR-05-251	A162966	7.45	0.12	13.16	2.22	34.32	17.22	0.98	-999
AGR-05-251	A162967	7.42	0.02	14.12	2.04	33.25	16.98	0.92	-999

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Drill Hole ID	Sample No	Fe2O3	P2O5	MgO	Al2O3	SiO2	CaO	TiO2	MnO
AGR-05-251	A162968	7.10	0.03	14.42	1.78	33.14	17.28	0.79	-999
AGR-05-251	A162969	6.61	0.00	13.59	1.70	32.28	18.77	0.78	-999
AGR-05-251	A162970	6.76	-0.02	14.49	1.91	35.40	17.37	0.94	-999
AGR-05-251	A162971	7.01	0.02	14.42	1.91	34.20	17.16	0.90	-999
AGR-05-251	A162972	7.09	-0.02	16.07	1.67	33.26	16.82	0.79	-999
AGR-05-251	A162973	6.50	-0.06	15.27	1.78	35.06	17.11	0.78	-999
AGR-05-251	A162974	6.61	-0.07	15.10	1.81	35.28	16.92	0.77	-999
AGR-05-251	A162975	6.45	-0.06	14.59	2.05	35.80	17.13	0.79	-999
AGR-05-251	A162976	7.35	0.48	12.52	2.31	32.65	17.96	0.96	-999
AGR-05-251	A162977	8.22	0.02	12.95	2.85	34.15	15.93	1.46	-999
AGR-05-251	A162978	9.71	0.10	14.00	3.87	29.79	13.49	1.18	-999
AGR-05-251	A162979	7.07	-0.08	14.12	2.23	35.13	16.37	0.85	-999
AGR-05-251	A162980	7.67	0.01	13.94	2.58	34.65	15.54	0.92	-999
AGR-05-251	A162981	7.58	0.14	13.71	2.45	34.21	16.26	0.98	-999

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