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REPORT ON DIAMOND DRILLING ON THE CONTINENTAL PROPERTY
LEBEL TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.
BY KIRKLAND LAKE GOLD INC.

RECEIVED
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GEOSCIENCE ASSESSMENT OFFICE

S. J. Carmichael
Kirkland Lake Gold Inc.

March 21, 2005

TABLE OF CONTENTS

	Page
Introduction	2
Property Location and Access	2
Land Tenure and Ownership	2
Exploration History	3
Property Geology	3
2004 Diamond Drilling Program	4
Summary and Conclusions	5

LIST OF FIGURES

	Following Page
Figure 1 – General Location Plan	2
Figure 2 – Claim Location Plan	3

LIST OF APPENDICES

Appendix A – References
Appendix B - Certificate of Qualifications
Appendix C – Diamond drill Logs and Assay Certificates

LIST OF DRAWINGS

Drawing No. 1 – Drill Hole Location Plan, Scale: 1"=100 ft.
Drawing No. 2 - Drill Hole Section 4+00 South, Scale 1"=50 ft.
Drawing No. 3 - Drill Hole Section 2+00 South, Scale 1"=50 ft.
Drawing No. 4 - Drill Hole Section 0+00, Scale 1"=50 ft.
Drawing No. 5 – Drill Hole Section 2+00 North, Scale 1"=50 ft.
Drawing No. 6 – Drill Hole Section 4+00 North, Scale 1"=50 ft.
Drawing No. 7 – Drill Hole Section 6+00 North, Scale 1"=50 ft.

REPORT ON DIAMOND DRILLING ON THE CONTINENTAL PROPERTY
LEBEL TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.
BY KIRKLAND LAKE GOLD INC.

Introduction

The following report describes a seventeen hole (10,112 feet) diamond drilling program completed between late June and August, 2004. The program was designed to test the Post Vein, a north-south striking vein system located on the west portion of the Continental property.
The drilling was completed by Heath and Sherwood Diamond drilling with logging completed by Kirkland Lake Gold geologists and assaying by Swastika Laboratories and Polymet Resources Inc.
Nine of the seventeen drill holes returned anomalous gold values, the best being 0.17 oz/ton over 6.5 feet core length (PPH-6).

Property Location and Access

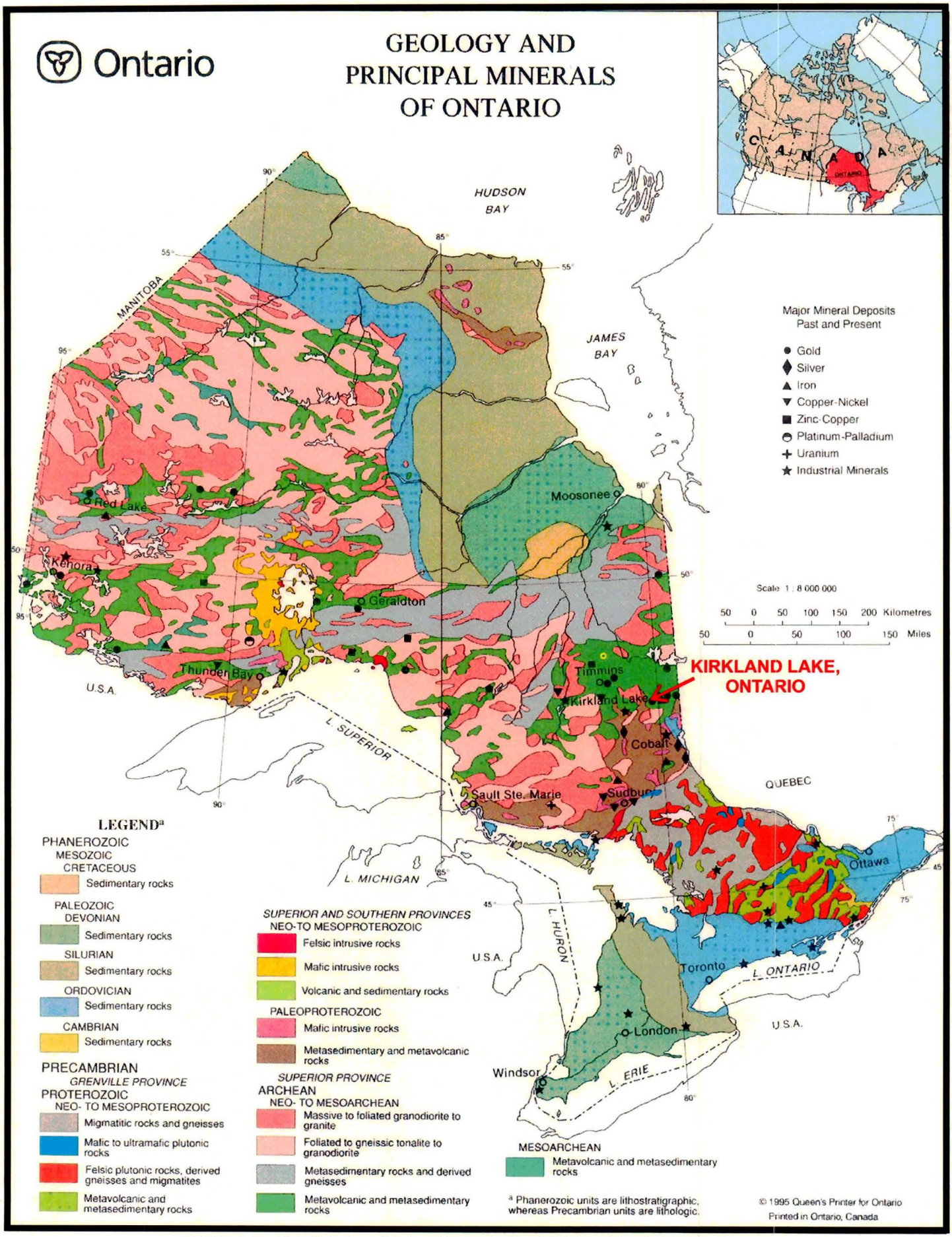
The area tested forms part of the Continental claim block held by Kirkland Lake Gold Inc. Drilling was performed on two of the patented claims as part of the Continental claim block.
Access to the drill area is by Highway 66 east of Kirkland Lake. A trail leading to the Continental shaft and drill areas leads north from the highway across from Gull Lake.

Land Tenure and Ownership

The Continental Property comprises 33 patented mining claims and 11 staked mining claims. The patented claims include the former SIS Continental property and the Lebel Lode property. All claims are registered to Kirkland Lake Gold Inc. and are in good standing. The claims include:

PATENTED CLAIMS

2257, 2430, 2447, 2448, 2450, 2452, 2459, 2469, 2676, 2677, 2790, 2791, 2807, 2808, 2886, 2900, 2901, 2988, 3009, 3010, 3011, 7798, 7799, 8819, 8820, 8821, 8822, 8823, 8824, 5940, 16514, 16515, 20176



GEOLOGICAL MAP OF ONTARIO SHOWING LOCATION OF KIRKLAND LAKE

STAKED CLAIMS

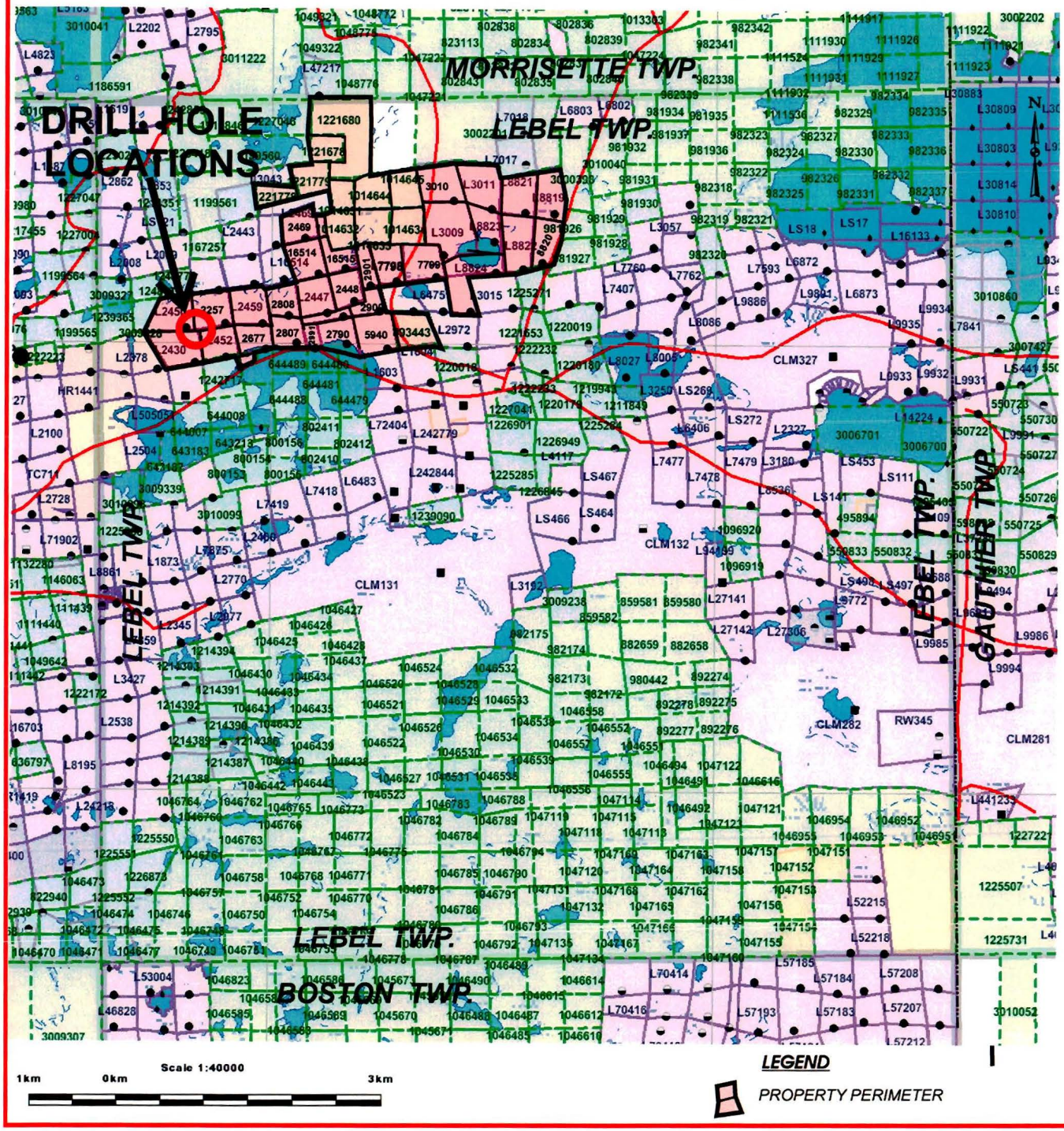
CLAIM NO.	UNITS	DATE STAKED	APPLIED	BANK	DUE DATE
1014631	1	Dec. 8, 1987	6800	0	$400 by Dec. 8, 2005
1014632	1	Dec. 8, 1987	6800	0	$400 by Dec. 8, 2005
1014633	1	Dec. 8, 1987	6800	0	$400 by Dec. 8, 2005
1014634	1	Dec. 8, 1987	6800	0	$400 by Dec. 8, 2005
1014644	1	Dec. 8, 1987	6800	0	$400 by Dec. 8, 2005
1014645	1	Dec. 8, 1987	6800	0	$400 by Dec. 8, 2005
1221678	1	Dec. 2, 1996	2800	0	$400 by Dec. 2, 2005
1221680	4	Dec. 2, 1996	11200	0	$1600 by Dec. 2, 2005
1221778	1	Dec. 2, 1996	2800	0	$400 by Dec. 2, 2005
1221779	1	Dec. 2, 1996	2800	0	$400 by Dec. 2, 2005
893443	1	June 23, 1986	720	140	$400 by June 23, 2005

Exploration History

Continental Mines Ltd. was organized in 1922 and acquired the group of 27 claims from 18 different owners. Considerable surface work was done and a shaft (No. 1) was sunk on the Post Vein to a depth of 825 feet, with lateral development on several levels before the mine closed in 1925. Continental-Kirkland Mines Ltd., which was incorporated in 1927, took over the property and sank the No. 2 shaft to below 500 feet on the Croteau claim ¾ of a mile east of the No. 1 shaft.
Control of the company was acquired jointly by Toburn Gold Mines Ltd., Premier Gold Mining and American Smelting and Refining Co., in 1936. Operations were resumed at No. 1 shaft and considerable lateral work was done on the 800' level. A winze was sunk to open a level at 925' before the mine was allowed to flood in 1939.
The Lebel Lode portion of the property was incorporated as Lebel Lode Ltd. in 1921. Trenching and test-pitting exposed a number of veins and 4 diamond drill holes completed in 1923. The No. 1 shaft was sunk to a depth of 30 feet before operations were suspended in 1929. In 1934 an inclined shaft was put down on the #4 vein.
In 1974 SIS Resources completed a ground EM and magnetometer survey on the Continental claims. This was followed by two diamond drill holes (1,260')
In 1979 Northgate Explorations Ltd. completed geophysical and geochemical surveys on the Lebel Lode property. This was followed by four diamond drill holes totaling 1,993'.
In 1987 Lac Minerals purchased both the Continental and Lebel Lode properties, now called the SIS Continental.
In 1993 Lac Minerals completed 8 diamond drill holes totaling 9,133' targeting the Post Vein on the Continental portion of the property.
In 1979 Kinross Gold Corp. completed an Induced Polarization survey over the SIS Continental property.

Property Geology

The west portion of the property, or Continental portion is underlain entirely by Timiskaming sediments including conglomerate, greywacke tuff and trachytic flows and



ONTARIO CANADA — MINISTRY OF NORTHERN DEVELOPMENT AND MINES — PROVINCIAL MINING RECORDER'S OFFICE

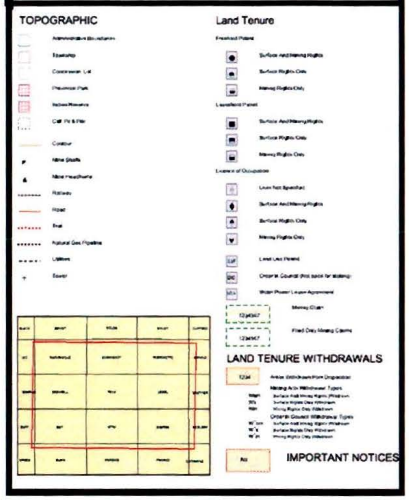
Mining Land Tenure Map

Date / Time of Issue: Thu May 27 07:19:04 EDT 2004

TOWNSHIP / AREA	PLAN
LEBEL	G-0639

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Larder Lake
Land Titles/Registry Division	TIMISKAMING
Ministry of Natural Resources District	KIRKLAND LAKE



ONTARIO CANADA — MINISTRY OF NORTHERN DEVELOPMENT AND MINES — PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

Date / Time of Issue: Thu May 27 07:19:04 EDT 2004

TOWNSHIP / AREA	PLAN
LEBEL	G-0639

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Larder Lake
Land Titles/Registry Division	TIMISKAMING
Ministry of Natural Resources District	KIRKLAND LAKE

PROPERTY MAP
SHOWING DRILL HOLE LOCATIONS
CONTINENTAL PROPERTY
KIRKLAND LAKE GOLD PROPERTY
IN THE TOWNSHIP OF LEBEL
MARCH, 2005

tuffs. The Lebel Lode portion also includes the north contact of the Timiskaming sediments and older volcanics. The Timiskaming sediments have been intruded by typical Kirkland Lake intrusives including feldspar porphyry, bi-modal porphyry and basic syenite. The targeted Post Vein is unique in that it strikes near perpendicular to the Kirkland Lake Main Break. It was initially postulated in the early 1900's that the Kirkland Lake Main Break would continue eastward from the Toburn property onto the Continental. It is now known that the Main Break is truncated by the Murdock Creek Fault on the Toburn property and the eastern offset of the Main Break has yet to be indentified.

2004 Diamond Drilling Program

Seventeen BQ diamond drill holes were completed between July 9/04 and September 9/04. The drill holes are summarized as follows:

DRILL HOLE	CLAIM	NORTHING	EASTING	AZIMUTH	DIP	LENGTH
PPH-1	2257	2+05S	207+22E	360	-90	411'
PPH-2	2450	1+60S	206+50E	328	-90	506'
PPH-3	2450	1+30S	205+55E	328	-90	694'
PPH-4	2450	2+50N	207+52E	328	-90	296'
PPH-5	2450	2+05N	206+60E	328	-90	404'
PPH-6	2450	2+90N	205+38E	328	-90	506'
PPH-7	2450	2+50N	207+52E	340	-45	386'
PPH-8	2450	2+05N	206+60E	340	-45	550'
PPH-9	2450	1+35N	205+35E	340	-45	546'
PPH-10	2450	4+50N	205+50E	030	-68	606'
PPH-11	2450	4+50N	202+50E	328	-90	836'
PPH-12	2450	3+70N	204+65E	300	-45	406'
PPH-13	2450	3+20N	203+18E	300	-45	426'
PPH-14	2450	2+68N	202+15E	300	-45	406'
PPH-15	2450	0+95N	200+35E	000	-90	1276'
PPH-16	2450	2+00S	200+00E	000	-90	1401'
PPH-18	2257	4+30S	205+55E	000	-90	456'

Total footage drilled =10,112 feet

Summary of Expenses

Drilling:	$109,440.00
Core Boxes:	$1,485.00
Assays:	$2,499.00
Consulting:	$14,400.00
Logging/Supervision:	$5,000.00
Report:	$1,500.00
TOTAL:	$134,324.00

Summary and Conclusions:

Drill Hole Intersection Summary

PPH-1	193.0 - 195.3	0.07 oz/2.3' CL
PPH-2	341.0 - 344.0	0.08 oz/3.0' CL (Post Vein)
PPH-3	440.4 - 443.1	0.06 oz/2.7' CL (Post Vein)
PPH-4		No Significant Assays
PPH-5	301.2 - 304.2	0.04 oz/3.0' CL
PPH-6	357.5 - 364.0	0.17 oz/6.5' CL (Post Vein)
PPH-7		No Significant Assays
PPH-8		No Significant Assays
PPH-9		No Significant Assays
PPH-10		No Significant Assays
PPH-11	628.0 - 631.0	0.04 oz/3.0' CL (Post Vein)
PPH-12	294.0 - 297.0	0.12 oz/3.0' CL
PPH-13		No Significant Assays
PPH-14		No Significant Assays
PPH-15		No Significant Assays
PPH-16	934.0 - 940.0	0.07 oz/6.0' CL
PPH-18	388.0 - 391.0	0.05 oz/3.0' CL (Post Vein)

Further drilling is recommended to test the Post Vein and classic east-west structures at depths below 1,000' vertical as well as testing the Induced Polarization anomalies on the Lebel Lode property near Julia Lake.

Respectfully Submitted

S Stewart Carmichael

Stewart Carmichael, B.Sc., FGAC, P.Geo

Appendix A – References

Bass, M.N.
1961: Regional Tectonics of Part of the Southern Canadian Shield, J. Geol. Vol.69, No.6, p668-702.

Colvine, A.C. et al.
1988: Archean Lode Gold Deposits in Ontario; Ontario Geological Survey, Miscellaneous Paper 139, p.43.

Gordon, J.B., Lovell, H.L., de Grijs, Jan and Davie, R.F.
1979: Gold Deposits of Ontario, Part 2: Part of District of Cochrane, Districts of Muskoka, Nipissing, Parry Sound, Sudbury, Timiskaming and Counties of Southern Ontario; Ontario Geological Survey, Mineral Deposits Circular 18, 253p.

Jenson, L.S., and Langford, F.F. 1985: Geology and Petrogenesis of the Archean Abitibi Belt in the Kirkland Lake Area, Ontario; Ontario Geological Survey, Miscellaneous Paper 123, 130p.

Lovell, H.L., 1976: The Geology of Lebel Township, District of Timiskaming, Ontario Department of Mines; OFR5211, 145p., 5 tables, 1 figure, 1 photo. Accompanied by Chart A, scale 1:12,000

Maclean, A. Geology of Lebel Township, Ontario Department of Mines Bulletin 150 accompanied by Map No. 53a.

O.G.S., 1979: Airborne Electromagnetic and Total Intensity Magnetic Survey, Kirkland Lake Area, Lebel Township, District of Timiskaming by Questor Surveys Limited for the Ontario Geological Survey. Prelim. Map P.2264, Geophysical Survey, scale 1:20,000. Survey and compilation, February and March, 1979.

Ploeger,F., Campbell, A. and Gabrowski 1979: Lebel Township, District of Timiskaming; Ontario Geological Survey Preliminary Map P.2009, Kirkland Lake Data Series. Scale :15,840 or 1 inch to 1/4 mile. Data compiled in 1978

Savage, W.S., 1964: Mineral Resources and Mining Properties in the Kirkland Lake -Larder Lake Area; Ontario Department of Mines, Mineral Resources Circular No. 3, 108p.

Kirkland Lake Resident Geologist Assessment Files

KL-1602 – Lebel Lode
KL-2515 – SIS Resources
KL-2126 – Northgate Explorations Ltd.
KL-3331 – Lac Minerals
KL-4483 – Kinross Gold Corp.

Appendix B – Certificate of Qualifications

STEWART CARMICHAEL, P.GEO.

I, Stewart Carmichael, P.Geo, do hereby certify that:

1. I am currently employed as the Chief Exploration Geologist by:
Kirkland Lake Gold Inc.
P.O.Box 370
Kirkland Lake, Ontario, Canada
P2N 3J1

2. I graduated with a Bachelor of Science degree, from McMaster University in 1982.

3. I am a member of the Association of Professional Geoscientists of Ontario

4. I am a Fellow of the Geological Association of Canada

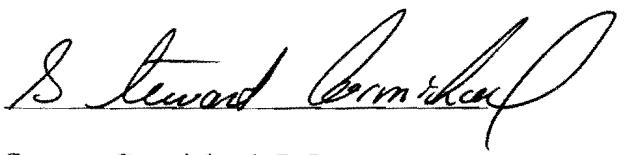
4. I have worked as a geologist for a total of 22 years since my graduation from university.

5. I have been employed at the Macassa Mine property since April, 2002.

6. I have made use of internal documents and files as well as files at the Ministry of Northern Development and Mines, Kirkland Lake.

Dated this 21st Day of March, 2005

(Signed)



Stewart Carmichael, P.Geo.
Chief Exploration Geologist

Appendix C – Diamond Drill Logs and Assay Certificates

CEGEP Rouyn Noranda
DRILLING LOG

Property: CONTINENTAL

Hole no: PPH 1 Zone no: Contractor: H&S Started: 09/07/2004
Canton : LEBEL Completed: 10/07/2004
Lot : Rang : Claim no: 2257

Puit # : Level : Section: Working offic CORE AT MACASSA MINE

Collar coordonate : Line : 207+22 E Latitude: 24720.00N Azimuth: 0° 0' 0"
Station: 2+ 5 S Longitude: 30000 00E Dip: 90° 0' 0"
Reference system : Elevation: 51 28 Depth: 411 00

B.L

Deviation tests :

Depth	Dip	Az Truth
36.00 F	90° 0' 0"	0° 0' "
226.00 F	90° 0' 0"	0° 0' "
401.00 F	90° 0' 0"	0° 0' "

Comments :

Water debit: Plug: Carottée: BQ
Cement Core size: Localisation :
Description :

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F		
[illegible]	10.00	ASHN:						
10.00	111.00	BASIC ANNITE						
		Mod [illegible] to v pr'l to locally foli pres						
		brown colored weakly [illegible] alt'd with [illegible]						
		felsic ribs up to 2" in diameter, local [illegible]						
		overprinting and 1 2% ank +/- qtz stringers @0						
		deg TCA unless otherwise stated						
		71 80 72.00						
		Chl slip @ 25 deg TCA						
		88 50 91.00	127167	88.50	91 00	2.50	001	
		Mod sil alt'd with tr py and 1/4" qtz						
		vein +/- ank @ 60 deg TCA						
		106.00 108.50	127168	106 00	108.40	2 40	001	
		Mod sil alt'd with tr py and Qtz						
		stringers @ 34 deg TCA						
		114.50 116.50	127169	114.50	116.50	2.00	001	
		Mod sil alt'n with 1% fg to mg py and 1%						
		qtz stringers @ 65 deg TCA						
		141 30 143 70	127170	141 00	143.70	2 70	001	
		Mod sil alt'd with 1% fg to mg py with 1%						
		chl/anyl slips @ 60 deg TCA						
		141 90 142.20						
		Mod brecciated Chl FLT @ 45 deg TCA						
		[illegible] 148.00	127171	146.00	148 00	2 00	001	
		M [illegible] alt'd with tr py throughout and						
		2% qtz +/- ank veining @ 50 deg TCA with						
		4" sel alt'd zone with 10% qtz stringers						
		and 1 3% sulphides						
		148.00 149.00						
		Chl FLT @ 10 deg TCA with tr fg Py						
		158 40 158.50						
		CHL FLT @ 55 deg TCA						
		171 to 176.00	127172	171 to	176 00	1 [illegible]	01	
		M [illegible] ervously sil alt'n and 5 1 [illegible]						
		[illegible] 2-3% 1/2" ttl to flat lying [illegible]						
		qtz [illegible] 45 deg TCA and [illegible]						
		[illegible] 172 to						

FROM M	TO M	DESCRIPTION	Sample	FROM M	TO M	Length M		
		174.80 175.10 Chl FLT + 10 deg TCA controls flat qtz vein						
176.00	178.70	Mod to strongly sil adn ser alt'd with tr py and flat tri qtz stringers @ 10 deg TCA and local chalcopyrite	127173	176.00	178.70	2.70	01	
		187.20 187.30 Strong Chl slip @ 30 deg TCA						
188.50	190.50	Mod sil alt'd and weakly ser alt'd and 1 2% fg to mg py with 1/4" flat to tri qtz vein @ 10 deg TCA with local med'm gr'd clusters of Py and local chalcopyrite	127174	188.50	190.50	2.00	.01	
193.00	195.30	Strongly sil alt'd with local ser alt'n with 4" grey to white qtz vein @ 25 deg TCA with local spec hem throughout and 3 5% med'm gr'd py and tr to 1% chlacopyrite	127175	193.00	195.30	2.30	.07	
200.00	203.00	Mod sil and chl alt'd with 2% ank +/ qtz stringers throughout + 45 deg TCA with 4" mod brecciated dark grey qtz vein with hem alt'd clasts and tr fg to mg py	127176	200.00	203.00	3.00	001	
		201.00 202.70 Flat chl slip @ 5 to 10 deg TCA						
203.00	206.00	Mod sil alt'd with tr py	127177	203.00	206.00	3.00	001	
206.00	209.00	Mod to strong sil alt'n with 1% ank +/ qtz stringers @ 40 deg TCA	127178	206.00	209.00	3.00	001	
209.00	212.00	Same	127179	209.00	212.00	3.00	001	
212.00	215.00	Same with increasing qtz +/ ank stringers + 10 deg TCA	127180	212.00	215.00	3.00	001	

FROM (F	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F	Length (F)	
		215.00 216.50 Wk to mod sil alt'd	127181	215.00	216.50	1.50	001
		216.50 218.00 Wk to mod sil alt'd with tr py, tr chalcopyrite and 1% qtz veining throughout and 2 to 3" white brecciated qtz vein @ approx 35 deg TCA with low angle chl slip cutting through @ 10 deg TCA 216.50 217.00 Flat irr chl slip	127184	216.50	218.00	1.50	.02
		218.00 221.00 Wk'ly to mod sil'd with 2 4% qtz veining @ 40 deg TCA and tr chalcopyrite	127185	218.00	221.00	3.00	001
		221.00 224.00 Same as above with 2 3% Qtz veining @ 27 deg TCA.	127186	221.00	224.00	3.00	.001
		224.00 227.00 Wk to mod sil with local hem alt'n throughout, local qtz and tr chalcopyrite	127187	224.00	227.00	3.00	.001
		227.00 229.70 Mod sil alt'd with tr chalcopyrite, 1 3% qtz veining throughout @ 20 deg TCA and 1"dark green mafic intrusive dyke pre dating qtz veins @ 20 deg TCA	127188	227.00	229.70	2.70	.001
		229.70 232.00 Same as above with 2" dark green mafic intrusive dyke @ 30 deg TCA.	127189	229.70	232.00	2.30	.001
		232.00 235.00 Wk'ly to mod sil alt'd with 1% qtz veins @ 40 deg TCA 233.30 233.50 Weak chl FLT @ 40 deg TCA	127190	232.00	235.00	3.00	01
		235.00 238.00 Same as above with local hem alt'n	127191	235.00	238.00	3.00	001

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F)					
	238.00 241.00		127192	238.00	241.00	3.00	001				
	Same as above with local chalcopyrite and										
	trl qtz veining										
	241.00 243.00		127193	241.00	243.00	2.00	001				
	Wk'ly sil alt'd with ser alt'd pheno's										
	and 1% qtz stringers @ 30 deg TCA										
	243.00 245.00		127194	243.00	245.00	2.00	001				
	Same as above with 1 2% qtz stringers @										
	45 deg TCA										
	245.00 247.00		127195	245.00	247.00	2.00	01				
	Same as above with increasing qtz veining										
	@ 25 deg TCA and local tr chalcopyrite										
	245.60 245.80										
	Strong Chl slips @ 40 deg TCA										
	247.00 249.50		127196	247.00	249.50	2.50	02				
	Same as above with tr chalcpyrite										
	249.50 251.50		127197	249.50	251.50	2.00	001				
	Mod sil with 1 2% trr qtz stringers and										
	local hem staining										
	251.50 253.50										
	Mod sil alt'n with 1 2% qtz stringers @										
	30 deg TCA and local tr chalcopyrite										
	251.50 251.80		127198	251.50	253.50	2.00	001		127199	Blank	001
	Strong chl slip @ 15 deg TCA										
	253.50 256.50		127200	253.50	256.50	3.00	02				
	Wk'ly to mod sil alt'd with local ser										
	alt'n and 1% qtz stringers @ 28 deg TCA										
	and 55 deg TCA										
	256.50 259.50		127201	256.50	259.50	3.00	001				
	Same with 1 2% qtz +/- ank stringers @ 55										
	deg TCA										
	259.50 261.00		127202	259.50	261.00	1.50	001				
	Wk'ly sil alt'd										
	261.00 265.00										
	Missing Core										

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F						
		267.00 268.80 Mod to strongly brecciated chloritic qtz vein @ 55 deg TCA with 1 2% fg to mg Py and a 5" qtz vein @ 65 deg TCA with 2% fg to mg py and tr chalcopyrite	127203	265.00	267.00	2.00	002					
		267.00 268.80 4 5" Broken/crushed core in wk'ly sil alt'd L	127204	267.00	268.80	1.80	001					
		268.80 270.00 Mod sil alt'd with 2 5" Qtz vein @ 20 deg TCA with tr py and chalcopyrite	127205	268.80	270.00	1.20	01					
		270.00 271.50 Wk'ly to mod sil'd with 2 3% qtz veining throughout @ 20 deg TCA	127206	270.00	271.50	1.50	01					
		271.50 274.00 Mod sil alt'd with 1% qtz +/ ank veining throughout 273.00 273.80 Chl Slip @ 10 deg TCA	127207	271.50	274.00	2.50	01					
		274.00 276.00 Wk'ly sil with 1/2" ank +/ qtz vein @ 30 deg TCA 310.00 310.30 1" Chl FLT @ 80 deg TCA controlling white to pink ankerite stringer 314.00 314.20 1/2" chl FLT @ 80 deg TCA controlling White to pink ankerite stringer	127208	274.00	276.00	2.00	001			127209	Blank	001
		366.50 368.50 Wk'ly sil alt'd with 1/8" qtz +/ ank vein @ 65 deg TCA with local tr chalcopyrite 367.00 367.20 Chl slip controlling 1/8" qtz +/ ank vein @ 0 deg TCA with chalcopyrite	127210	366.50	368.50	2.00	001					

FROM F	TO (F	DESCRIPTION	Sample	FROM F	TO (F)	Length (F		
		376 00 378.00 2 x 1" ank +/ qtz veins @ 45 deg TCA with tr local chalcopyrite in wk'ly sil'd L 403.50 403 70 Chl Slip @ 25 deg TCA 405.80 406.00 Chl Slip @ 25 deg TCA with tr local Chalcopyrite 407.50 407.90 Chl Slip @ 15 deg TCA with tr local Chalcopyrite 410.90 411 00 Chl Slip @ 40 deg TCA with tr local chalcopyrite 411.00 411.00 EOH END OF HOLE Total number of samples : 41 Total length sampled : 96.50 S. Carmichael March 105	127211	376.00	378.00	2 00	001	

Property : CONTINENTAL

Hole no: PPH 2 Zone no: Contractor: B&S Started: 10/07/2004
Canton: LEMOI Completed: 11/07/2004
Lot: Rang: Claim no: 2450

Part #: Level: Section: Working: CELLCORE AT MACASSA MINE

Collar coordonate : Line : 206+50 E Latitude: 24720.00N Azimuth: 328° 0' 0"
Station: 1+60 S Longitude 29915.00E Dip: 90° 0' 0"
Reference system : Elevation 50 72 Depth: 506.00

B.L.

Deviation tests	Depth	Dip	Az Truth
	26.00 F	90° 0' 0"	328° 0' "
	256.00 F	90° 0' 0"	328° 0' "
	506.00 F	90° 0' 0"	328° 0' "

Comments :

Water debit: Rang: Car: érée: BQ
Cement : Core size: Localisation :
Description :

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
0.00	11.00	Casing					
11.00	506.00	BASIC SYENITE: Massive, med-cg, felsic ribs up to 2", overall dk med brown grey 1-2% hairline qtz-carb stringers and minor bullish veining unless otherwise noted 66.70 66.70 Strong chloritic slip @ 40 deg TCA 162.50 162.50 Strong chloritic slip @ 50 deg TCA 139.40 139.40 Strong chloritic slip @ 40 deg TCA.					
158.00	159.00	Check sample of SipPy@40, in fresh basic syenite 158.40 158.40 Strong chloritic slip @ 40 deg TCA 5-7% cg vcg py mineralization along slip	121122	158.00	159.00	1.00	001
210.00	211.00	Check sample of 4"QV@50, in weakly hematized basic syenite 210.40 210.50 QTZ VEIN; 0.4" wide, creamy white, bullish looking qtz vein. Dip is @ 50 deg TCA no py observed	121123	210.00	211.00	1.00	001
214.20	215.20	Check sample of 3-5% qtz carb stgs in weakly hematized basic syenite	121124	214.20	215.20	1.00	001
219.30	220.30	Check sample of 3-5% qtz carb stgs, in weakly hematized basic syenite	121125	219.30	220.30	1.00	001
220.50	221.50	Check sample of 3-5% qtz carb stgs, in weakly hematized basic syenite	121126	220.50	221.50	1.00	001

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
	226.50 228.00	Check sample of 5 7% qtz carb stgs, in moderately hematized basic syenite 1 2% fg mg py	121127	226.50	228.00	1.50	.001
	233.00 234.00	Check sample of 2 3% qtz carb stgs, in weakly hematized basic syenite tr py.	121128	233.00	234.00	1.00	.001
	258.00 260.00	Check sample of 3 5% qtz carb stgs, in weakly hematized basic syenite tr py	121129	258.00	260.00	2.00	.001
	261.40 262.90	Check sample of .3"QV@50, and 5 7% qtz carb stgs, in weakly hematized basic syenite 1 2% mg py. 262.60 262.70 QTZ VEIN; 0.3" wide, light pink, translucent qtz vein Weakly hematized Dip is @ 50 deg TCA.	121130	261.40	269.90	8.50	.001
	265.60 266.60	Check sample of 3 5% qtz carb stgs in weakly hematized basic syenite 1 2% mg py. 276.30 276.30 Strong chloritic slip @ 30 deg TCA.	121131	265.60	266.60	1.00	.001
	279.50 280.50	Check sample of 9"QCrbV@35, in weakly hematized basic syenite 279.80 280.10 QTZ CARB VEIN 0 9" wide, creamy white, chloritic, bullish looking qtz carb vein Dip is @ 35 deg TCA.	121132	279.50	280.50	1.00	.001
	285.00 286.00	Check sample of 1 3"QCrbVBx@50, in weakly hematized basic syenite 285.50 285.80 QTZ CARB VEIN;	121133	285.00	286.00	1.00	.001

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F				
		1 x" wide, creamy white, well brecciated qtz carb vein Dip is @ 50 deg TCA								
		289.50 291.00 Check sample of qtz carb stgs, and veining 7 10% qtz carb veining, in weakly hematized basic syenite	121134	289.50	291.00	1.50	001			
		295.30 296.80 Sample of Flt@50, host rock is weakly to mod silcd	121135	295.30	296.80	1.50	001			
		295.30 296.80 FAULT, Brittle, chloritic fault, with host rock, and qtz carb frags Dip is @ 50 deg TCA								
		300.50 301.50 Check sample of 9"QCrbV@50, in relatively fresh basic syenite	121136	300.50	301.50	1.00	001			
		300.80 300.90 QTZ CARB VEIN 0.9" wide, creamy white, brecciated, chloritic qtz carb vein Dip is @ 50 deg TCA								
		301.50 303.50 Check sample of 6"QCrbV@50, in weakly to moderately silcified basic syenite	121137	301.50	303.50	2.00	02			
		302.80 303.00 QTZ CARB VEIN, 0.2" wide, creamy white, chloritic qtz carb vein Dip is @ 50 deg TCA								
		309.00 313.00 Two 2' samples of Flt@50	121138	309.00	311.00	2.00	001			
		309.70 312.70 FAULT; Broken core; poor competency Brittle, well brecciated, chloritic fault Dip is @ 50 deg TCA	121139	311.00	313.00	2.00	001	121140	BLANK	001

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F								
		315.00 321.00 Broken core - poor competency												
		321.00 322.00 Check sample of FAULT	38157	[illegible]	[illegible]	1.00	001							
		321.80 322.00 FAULT; Brittle, well brecciated, gossan stained, chloritic fault Dip is 50 deg TCA												
322.00	326.00	Bridge sample between FAULT and stg zone 3 5% qtz carb stgs and minor veining	38158 38159	322.00 324.00	324.00 326.00	2.00 2.00	001 001							
326.00	335.00	Check samples of 7 10% qtz carb stgs in weakly silicified basic syenite Some minor bullish veining also noted	38160 38161 38162	326.00 329.00 332.00	329.00 332.00 335.00	3.00 3.00 3.00	001 003 004							
335.00	338.00	Wing sample of Post Vein, in weakly silicified basic syenite 2 3% qtz carb stgs Weakly sericitized	38163	335.00	338.00	3.00	001							
338.00	349.40	Sample of Post Vein												
		338.00 349.40 POST VEIN; 11 4' wide, creamy white, well brecciated, chloritic qtz vein Minor carb 1 2% fg mg py, 1 2% mg cpy Galena, and hematite also present Dip is 50 deg TCA	38164 38165 38166 38167	338.00 341.00 344.00 347.00	341.00 344.00 347.00 349.40	3.00 3.00 3.00 2.40	038 077 053 027	076 027	077 026					
349.40	363.00	Wing samples following Post Vein Overall weakly silicified, locally weakly hematized Brecciated near vein 3 5% qtz carb stgs	38168 38169 38171 38172 38173	349.40 352.00 355.00 358.00 361.00	352.00 355.00 358.00 361.00 363.00	2.60 3.00 3.00 3.00 2.00	001 001 001 001 001			38170	BLANK	001		
		397.00 397.00 Strong chloritic slip @ 50 deg TCA												
		425.00 425.00 Strong chloritic slip @ 30 deg TCA												

FROM (F	TO (F	DESCRIPTION	Sample	FROM (F	TO (F)	Length (F						
		479.40 479.80 Strong chloritic slip @ 15 deg TCA										
		506.00 506.00 E O H										
		END OF HOLE										
		Total number of samples : 34 Total length sampled : 73.00										

S. Carmichael
March/05

Property : CONTINENTAL

Hole no: PPH 5 Zone no: Contractor: H&S Started: 12/07/2004
Canton : PPH Completed: 14/07/2004
Lot : Rang : Claim no: 2450

Unit M Level : Section: Working office:OKE AT MACASSA MINE

Collar coordinate : Line 205+55 E Latitude 21690.00N Azimuth: 328° 0' 0"
Station 1+00 S Longitude 10820.00E Dip -90° 0' 0"
Reference system Elevation: 52.54 Depth: 694.00

Deviation tests :

Depth	Dip	Az Truth
26.00 F	90° 0' 0"	328° 0' "
226.00 F	90° 0' 0"	328° 0' "
426.00 F	90° 0' 0"	328° 0' "

Comments :

Water debit: Plug Car érée BQ
Cement Core size Localisation
Description

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F	
0.00	6.00	CASING					
6.00	451.00	BASIC SYENITE Massive, mdg rlq, felsic ribs to 1", overall drk med brown grey 1-2% hairline qtz+ carb stringers and wisp bullish veining unless otherwise noted 35.50 35.50 Strong chloritic slip @ 50 deg TCA 146.70 146.70 Strong chloritic slip @ 40 deg TCA					
		159.50 160.50 Check sample of 2-3% qtz carb stgs localized at Slip@40 Fresh basic syenite Representative sample 159.90 159.90 Strong chloritic slip @ 40 deg TCA 216.00 216.00 Strong chloritic slip @ 45 deg TCA 265.60 265.60 Strong chloritic slip @ 45 deg TCA 295.40 297.00 Broken core, poor competency, with fractures and chloritic slips running sub parralel TCA	121145	159.50	160.50	1.00	001
		329.50 331.00 Check sample of fresh basic syenite, 3-5% hairline qtz carb stgs 366.30 366.40 Strong chloritic slip @ 50 deg TCA	121146	329.50	331.00	1.50	.001
		411.50 412.50 Check sample of 4"QCrbV@35, in weakly altered basic syenite 412.00 412.20 QTZ CARB VEIN; 0.4" wide creamy white, semi translucent qtz carb vein with	121147	411.50	412.50	1.00	001

FROM (F)	TO F	DESCRIPTION	Sample	FROM (F)	TO F	Length (F)					
		unidentified grey mineral tr mg py Dip is @ 35 deg TCA									
		413.50 414.50 Check sample of 4"QCrbV@40, in weakly altered basic syenite	121148	413.50	414.50	1.00	001				
		413.90 414.00 QTZ CARB VEIN; 0.4" wide, creamy white, semi translucent qtz carb vein, with unidentified grey mineral Dip is @ 40 deg TCA									
		418.00 436.00 Wing samples of Post Vein. Host rock is moderately hematized	38174	418.00	421.00	3.00	001				
			38175	421.00	424.00	3.00	001				
			38176	424.00	427.00	3.00	001				
			38177	427.00	430.00	3.00	001				
			38178	430.00	433.00	3.00	001				
			38179	433.00	436.00	3.00	002	002	001		
		436.00 438.60 2.6' lost core									
		438.60 440.40 Wing sample of Post Vein. Broken core; poor competency Moderately hematized.									
		438.60 440.40 Broken core; poor competency	38180	438.60	440.40	1.80	.001				
		440.40 443.10 Check sample of Post Vein									
		440.40 443.10 POST VEIN; 2.7' wide, drk grey, chloritic, well brecciated, qtz vein with bleached and hematized patches. 5-7% fg mg py 2-3% cpy Galena also present Dip is approx. @ 45, but difficult to measure due to poor core quality.	38181	440.40	443.10	2.70	.058	055	.060		
		443.10 448.00 Wing samples between Post Vein, and Py@20 Moderately altered basic syenite	38182	443.10	445.00	1.90	.001				
			38183	445.00	448.00	3.00	001				

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F							
		448.00 [illegible]	38184	448.00	449.00	1.00	001						
		Check sample of Py+20, described below in moderately altered basic syenite											
		448.10 448.40 Infilled fracture, drk orange 0.4" wide 85 90% py Coloration probably due to hematite Pitted surface Dip is = 20 deg TCA											
		449.00 470.00	38185	449.00	452.00	3.00	001						
		Wing samples following Py+20 and Post Vein Moderately to weakly altered basic syenite 461' 470' fresh basic syenite	38186	452.00	455.00	3.00	001						
			38187	455.00	458.00	3.00	001						
			38188	458.00	461.00	3.00	001						
			38189	461.00	464.00	3.00	050	052	.048	38190	BLANK	002	
			38191	464.00	467.00	3.00	001						
			38192	467.00	470.00	3.00	001						
		510.00 510.90 Strong chloritic slip = 40 deg TCA											
		577.00 577.00 Strong chloritic slip = 25 deg TCA											
		631.90 631.90 Strong chloritic slip = 20 deg TCA											
		650.70 651.70	121149	650.70	651.70	1.00	001						
		Check sample of 4"QCrbVn50, in fresh basic syenite											
		651.00 651.40 QTZ CARB VEIN; 4" wide, creamy white, brecciated, chloritic, bullish looking qtz carb vein No py observed Dip is = 50 deg TCA											
		694.00 694.00 E.O.H											
		END OF HOLE											
		Total number of samples : 23											
		Total length sampled 54.90											

S. Carmichael March/05

[illegible]
DRILLING [illegible]

Property CONTINENTAL

Hole no PPH 4 Zone no Contractor B&S Started: 10/08/2004
Custom LEBEL Completed 11/08/2004
Lot . Rang . Claim no 2450

Drill # Level Section Working office:CORE AT MACASSA MINE

Collar coordinate Line 207+52 E Latitude: 25115.00N Azimuth 328° 0' 0"
Station 2450 N Longitude: 29785.00E Dip 90° 0' 0"
Reference system : Elevation: 46.38 Depth 296.00

BL

Deviation tests

Depth	Dip	Az Truth
26.00 F	90° 0' 0"	328° 0' "
156.00 F	90° 0' 0"	328° 0' "
296.00 F	90° 0' 0"	328° 0' "

Comments .

Water debit: Plug Cut [illegible]: BQ
Cement Core size Location :
Description :

[illegible]

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
0.00	7.00	Casing					
7.00	211.70	CONGLOMERATE: Massive, fresh, polymictic peb cob Framework supported, jasperoidal w G matrix 91.00 91.30 Minor oxidized CHL FLT @ 30deg TCA					
		97.00 99.00 1/4" ank vein +/ qtz controlled by oxidized chl slip @ 25 deg TCA with tr Cpy and mg py	131320	97.00	99.00	2.00	001
211.70	218.90	SYENITE PORPHYRY: Massive, f gr'd/tex'dwith 1 2% ank+/ Qtz strs, loc Xeno up to 1" indiameter Wktomod sil, chl and ser alt'd					
		211.70 214.70 Mod to strongly chl and sil alt'd with local qtz 211.70 211.70 Ct is sharp @ 50 deg TCA	131321	211.70	214.70	3.00	001
		214.70 216.50 Same as above	131322	214.70	216.50	1.80	001
		216.50 218.90 Same as above.	131323	216.50	218.90	2.40	001
218.90	231.80	TUFF: Massive to poorly bedded fg to sandy ashT w minor/local scattered mud,lapilli + trachyte Strong hem and chl alt'd with local strong ser alt'n.					
		218.90 221.50 Mod to strongly chl, ser and sil alt'd with local mod hem alt'n and local qtz stringers @ 45 deg TCA 218.90 218.90 Ct is Sharp @ 45 deg TCA	131324	218.90	221.50	2.60	001
		221.50 223.40 Same as above	131325	221.50	223.40	1.90	016

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F'	
		223.40 226.40	131326	223.40	226.40	3.00	001
		Same as above					
		224.50 225.70					
		Chl slip @ 25 deg TCA					
		229.00 231.80	131327	229.00	231.80	2.80	001
		Same as above					
231.80	296.00	BASIC SYENITE: Massive, mg to cs gr'd/tex'dw 1-2% ank +/- qtz strs + deg TCA and felsic ribup to 1" in diameter. Local strong ser and chl alt'n following Porphyry unit					
		231.80 234.00					
		Mod chl and ser alt'd with wk sil alt'n along with tr local qtz					
		231.80 231.80					
		Ct is sharp @ 50 deg TCA					
			131328	231.80	234.00	2.20	001
		234.00 237.00	131329	234.00	237.00	3.00	002
		Same as above					
		296.00 296.00					
		EOH					
		END OF HOLE					
		Total number of samples : 10					
		Total length sampled : 24.70					

S. Carmichael
March 05

Property : CONTINENTAL

Hole no: PPH 5 | Zone no: | Contractor: Heath and Sherwood | Started: 25/07/2004
Canton: TEMPI | | | Completed: 25/07/2004
Lot: | Range: | Claim no: 2450

Part #: | Level: | Section: | Working office OKE AT MACASSA MINE

Collar coordonate: | Line: 206160 E | Latitude: 25070.00N | Azimuth: 328° 0' 0"
| Station: 20.5 N | Longitude: 29680.00E | Dip: 90° 0' 0"
Reference system: | | Elevation: 55.06 | Depth: 404.00

Deviation tests:

Depth	Dip	Az Truth
26.00 F	90° 0' 0"	328° 0' "
220.00 F	90° 0' 0"	328° 0' "
404.00 F	90° 0' 0"	328° 0' "

Comments:

Water debit: | Plug: | Car: | Grée: | BQ:
Cement: | Core size: | Localisation: |
| | Description: |

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)				
0.00	5.00	Casing								
5.00	246.90	Conglomerate: medium green grey, massive, polymictic 48.70 48.70 0.5" Crb vein @25tca 51.40 51.40 Weathered fracture @65tca 88.00 88.00 Weathered fracture @30tca 106.50 106.50 Weathered fracture @20tca 175.50 178.00 Rusty weathering	38267	201.50	204.00	2.50	001			
		202.00 204.00 Minor ankerite siliceous sericite alteration, 2% pyrite	38268	221.00	223.50	2.50	001			
		222.00 223.00 Ankerite alteration + 1-2% pyrite								
		234.30 246.90 Sericite alteration, 1-2% pyrite, local ankerite alteration	38269	234.50	237.00	2.50	001			
			38270	237.00	240.00	3.00	001			
			38271	240.00	242.00	2.00	001	.001	001	
			38272	242.00	244.00	2.00	001			
			38273	244.00	246.90	2.90	001			
246.90	279.50	Bimodal Porphyry: Pale red, massive, porphyritic, local minor sericite alteration 246.90 246.90 Contact @60tca								
279.50	299.00	Conglomerate: Pale green, polymictic, moderate sericite alteration, 1% pyrite 279.50 279.50 Contact @75tca								

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F					
			38276	279.50	283.00	3.50	001				
			38277	283.00	286.00	3.00	001				
			38278	286.00	289.00	3.00	001	001		001	
		287.60 288.10									
		Shear Zone, sericite rib alteration									
		@70tca									
			38277	289.00	292.00	3.00	001				
			38278	292.00	295.00	3.00	002				
			38279	295.00	298.00	3.00	001				
			38280	298.00	301.20	3.20	004				
279.00	316.40	Greywacke									
		Pale brown to greenish grey, massive, sandy,									
		minor sericite alteration, pervassive fine									
		ankerite alteration									
		301.20 304.20	38281	301.20	304.20	3.00	044	041		046	
		Buff alteration, 2-3% pyrite, 7%									
		quartz ankerite veinlets containing									
		pyrite									
		304.20 305.50	38282	304.20	305.50	1.30	009				
		Quartz veining and brecciation @45tca									
			38283	305.50	308.80	3.30	002				
316.40	404.00	Basic Syenite:									
		medium grey green, massive, medium grained, minor									
		ankerite alteration, local quartz veinlets and									
		sericite alteration									
		329.50 341.50	38284	329.50	332.00	2.50	001				
		local quartz veining and sericite	38285	332.00	335.00	3.00	001				
		alteration, Qtz veinlets @30tca	38286	335.00	338.00	3.00	001	.001		001	
			38287	338.00	341.50	3.50	001				
			38288	351.80	355.00	3.20	001				
		353.50 353.50									
		Minor quartz veinlets and 1% pyrite									
			38289	380.50	381.00	.50	001				
		404.00 404.00									
		End of Hole									
		END OF HOLE									
		Total number of samples : 23									
		Total length sampled : 94.40									

S. Carmichael March/05

Property CONTINENTAL

Hole no: LDH 6 Zone no: Ventilator, H & S Started: 29/07/2004
Grid : LEGEL Completed: 03/08/2004
Lot Rang Claim no. 2450

Unit: M Level : Section Working officCORE AT MACASSA MINE

Collar coordonate Line : 28°438 E Latitude 25032.00N Azimuth: 328° 0' 0"
Station 2500 N Longitude 29580.00E Dip: 90° 0' 0"
Reference system Elevation 52.00 Depth: 500.00

Deviation tests :

Depth	Dip	Az Truth
26.00 F	88° 0' 0"	328° 0' "
496.00 F	88° 0' 0"	328° 0' "

Comments :

Water debit Plug: Car érée. BQ
Cement Core size: Localisation :
Description :

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
0.00	1.00	CASING;					
1.00	281.20	CONGLOMERATE: Polymictic; intact framework with gwcke/arenacious matrix and minor fragmental lenses 1-2% hairline qrtz+ carb stringers and minor bullish veining unless otherwise noted 14.50 - 19.70 Broken core; poor competency Gossanous staining 102.20 - 105.00 Broken core; poor competency. Gossan staining. 158.50-160.50 Check sample of Flt@50, fresh conglomerate 158.80 - 159.40 FAULT; Broken core; poor competency Brittle, chloritic, clay grit filled fault. No py observed. Dip is @ 50 deg TCA. Gossan stained 165.80 - 170.00 Fracture running subparallel TCA Gossan stained 268.20 - 269.50 Broken core; poor competency. Very vuggy. Gossan staining 281.00-282.00 Check sample of Syenite Porphyry	121267	158.50	160.50	2.00	.001
			121268	281.00	282.00	1.00	.001
281.20	281.90	SYENITE PORPHYRY: (mineralized) Massive, fg-mg; faint pink feldspar phenos; 2% mafic inclusions; 2-3% fg-mg py. u/c is very sharp @ 65 deg TCA					
281.90	355.80	CONGLOMERATE: Polymictic; intact framework with gwcke/arenacious matrix and minor fragmental lenses 1-2% hairline qrtz+ carb stringers and minor bullish veining unless otherwise noted. u/c					

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F	
		is very sharp @ 65 deg TCA					
		322.50 323.50	121269	322.50	323.50	1.00	02
		Check sample of 1"QCtbV@80 in fresh					
		conglomerate					
		323.10 323.20					
		QTZ CARB VEIN;					
		1" wide, creamy white, chloritic					
		qtz carb vein 1-2% mg cg py Dip					
		is @ 80 deg TCA					
		330.50 331.50	121270	330.50	331.50	1.00	001
		Check sample of 8"QCtbV@60 Weakly					
		altered conglomerate					
		331.10 331.30					
		QTZ CARB VEIN;					
		0.8" wide, light green, chloritic					
		qtz carb vein 2-3% mg py Dip is @					
		60 deg TCA					
		333.50 334.50	121271	333.50	334.50	1.00	001
		Check sample of 6"QCtbV@50, in fresh					
		conglomerate					
		333.90 334.10					
		QTZ CARB VEIN;					
		0.6" wide, creamy white, chloritic					
		qtz carb vein tr py Dip is @ 50					
		deg TCA					
		346.00 347.00	121272	346.00	347.00	1.00	01
		Check sample of 2-3% drk grey qtz stgs					
		and veining 2-3% vcg py Weakly					
		altered conglomerate					
		353.00 356.50	121273	353.00	356.50	3.50	001
		Wing sample of Post Vein Moderately					
		altered conglomerate					
356.80	506.00	BASIC SYENITE:					
		Massive, mg cg; felsic ribs to 8"; overall					
		drk med brown grey 1-2% hairline qtz+ carb					
		stringers and minor bullish veining unless					
		otherwise noted u/c is sharp @ 65 deg TCA					

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F							
		357.50 382.50											
		Sample of POST VEIN											
		357.50 382.50	38388	357.50	361.00	3.50	224	224	229				
		POST VEIN,	38389	361.00	364.00	3.00	120	118	121	38390	BLANK	001	
		25° wide, creamy white, brecciated,	38391	364.00	367.00	3.00	025						
		chloritic qtz vein tr cpy tr	38392	367.00	370.00	3.00	010						
		galena 2 3% fg mg py Dip is 40	38393	370.00	373.00	3.00	062						
		deg TCA	38394	373.00	376.00	3.00	006						
		375.00 385.00	38395	376.00	379.00	3.00	004						
		Broken core; poor competency	38396	379.00	382.50	3.50	007	006	007				
			38397	382.50	386.00	3.50	004						
		385.00 416.00	38398	386.00	389.00	3.00	002						
		Wing samples following Post Vein 7 10%	38399	389.00	392.00	3.00	007						
		qtz carb veining Overall 1 2% fg mg py	38400	392.00	395.00	3.00	003						
		tr cpy	38401	395.00	398.00	3.00	001						
			38402	398.00	401.00	3.00	001						
			38403	401.00	404.00	3.00	001	001	001				
			38404	404.00	407.00	3.00	005						
			38405	407.00	410.00	3.00	003						
			38406	410.00	413.00	3.00	005						
			8407	413.00	416.00	3.00	001						
		475.80 479.30	Q11273	475.80	479.30	3.50	001						
		Check sample of 2 3% qtz stgs and											
		veining tr py fresh basic syenite											
		506.00 506.00											
		E O.H											
		END OF HOLE											
		Total number of samples 27											
		Total length sampled : 72.50											

S. Carmichael March/05

CEGEP Rouyn Noranda
DRILLING LOG

Property: CONTINENTAL

Hole no: PPH 7 Zone no. Contractor B&S Started: 07/08/2004
Canton LEBEL Completed: 09/08/2004
Lot . Rang : Claim no: 2450

Part # : Level : Section: Working officCORE AT MACASSA MINE

Collar coordonate : Line : 207+52 E Latitude: 25115.00N Azimuth: 340° 0' 0"
Station: 2+50 N Longitude: 29785.00E Dip: 45° 0' 0"
Reference system : Elevation: 46.38 Depth: 386.00

BL

Deviation tests :

Depth	Dip	Az Truth
36.00 F	40° 0' 0"	340° 0' "
246.00 F	36° 0' 0"	340° 0' "

Comments :

Water debit: Plug: Car érée: BQ
Cement : Core size: Localisation :
Description

Logged by RS Date logged 23/09/2004 Hole no. PPH 7

FROM F	TO F	DESCRIPTION	Sample	FROM I	TO F	Length F		
0.00	14.00	CASING						
14.00	178.50	CONGLOMERATE: Massive, fresh, polymictic peb cob Framework supported, jasperoidal w G matrix 14.00 30.00 Highly fractured core 50.30 50.35 Oxidized chl slip @ 40 deg TCA 68.20 68.50 Oxidized slp @ 35						
		103.00 104.00 1" ank vein +/- qtz with cpy and mg py @ 55 deg TCA in fresh C	131317	103.00	104.00	1.00	001	
		103.30 103.40 1" ank vein +/- qtz with tr to 1% Cpy and mg Py @ 55 deg TCA 127.30 127.80 Oxidized FLT @ 30 deg TCA						
178.50	271.00	TUFF: Massive to poorly bedded fg to sandy ashT w minor/local scattered mud,lapilli + trachyte 178.50 178.50 Contact is sharp @ 30 deg TCA						
271.00	486.00	BIMODAL PORPHYRY: Massive, f gr'd/tex'dwith 1-2% ank+/- Qtz strs, loc Xeno up to 2" indiameter Wk+mod sil and chl alt'd w loc stng shr zone Reddish to yelowed brown in colour and approx 10% well developed phenos throughout 271.00 271.00 Ct is sharp irregular 315.80 315.90 Wk Chl slip @ 15 deg TCA						
		316.00 318.00 Mod sil alt'd with 35% local qtz	131318	316.00	318.00	2.00	001	
		318.00 326.00 Same as above with stronger sil alt n and						

FROM F	TO I	DESCRIPTION	Sample	FROM F	TO F1	Length F	
		F1 fg to mj py					
		318.00 326.00	Q31319	318.00	326.00	8.00	001
		Ground Core					
		342.00 346.00					
		Ground and missing Core					
		386.00 386.00					
		EOH					
		END OF HOLE					
		Total number of samples : 3					
		Total length sampled : 11.00					

S. Carmichael
March 10/5

CEGEP Rouyn Noranda
DRILLING LOG

Property: CONTINENTAL

Hole no: PPH 8 Zone no: Contractor: H&S Started: 26/07/2004
Canton : LEBEL Completed: 29/07/2004
Lot Rang : Claim no: 2450

Puit # : Level : Section: Working officCORE AT MACASSA MINE

Collar coordonate : Line : 206+60 E Latitude: 25030.00N Azimuth: 340° 0' 0"
Station: 2+ 5 N Longitude: 29730.00E Dip: 45° 0' 0"
Reference system : Elevation: 53.92 Depth: 550.00

B.L.

Deviation tests :

Depth	Dip	Az Truth
36.00 F	44° 0' 0"	340° 0' "
246.00 F	-40° 0' 0"	340° 0' "
446.00 F	41° 0' 0"	340° 0' "
545.00 F	43° 0' 0"	340° 0' "

Comments :

Water debit: Plug: Car érée: BQ
Cement : Core size: Localisation :
Description :

Logged by PF Date logged 30/07/2004 Hole no PPH 8

FROM F'	TO F'	DESCRIPTION	Sample	FROM F'	TO F'	Length F'					
0.00	261.70	CONGLOMERATE Greyish green, massive, polymictic in greywacke matrix 1% pink carb stringers, 1% med'm to cs gr'd py lower contact is gradational 94.00 94.40 Oxidized chl slip @ 15 deg TCA 128.00 128.60 Flat chl/ser slip @ 10 deg TCA 130.00 131.50 Flat [illegible] chl/ser slip. 154.80 154.90 Oxidized chl slip @ 10 deg TCA 155.50 155.90 Strongly oxidized chl slip @ 45 deg TCA 169.60 170.00 Chl alt'd slip @ 25 deg TCA 173.00 180.00 Conglomerate mod to strongly oxidized 259.60 259.70 Healed chl FLT @ 38 deg TCA										
261.70	453.50	GREYWACKE Dark to lighter grey coloured with sandy matrix and local pebbles with poor bedding throughout. Greywacke is fresh with local ser and chl alt'n Lower contact is sharp @ 40 deg TCA 315.00 317.50 Sil chl and ser alt'd with 5% local qtz and tr fn to med gr'd py 317.50 320.00 Same as above 326.00 327.80 Same as above with increasing ser alt'n.	127212	315.00	317.50	2.50	01				
			127213	317.50	320.00	2.50	001				
			127214	326.00	327.80	1.80	001				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
		327.80 330.50	127215	327.80	330.50	2.70	001
		Same as above					
		329.00 330.30					
		Flat oxidized chl slip @ 5 to deg TCA					
		344.00 347.00	127216	344.00	347.00	3.00	001
		Mod sil, wk to mod ser and chl alt'n with med to cs gr'd py					
		345.80 346.30					
		Oxidized rusty weathered FLT @ 70 deg TCA					
353.50	396.00	BIMODAL PORPHYRY Massive, fine gr'd textured light brown to red coloured with less than 1% ank stringers throughout. Lower CT is sharp @ 50 deg TCA.					
		353.50 353.50					
		Contact @ 40 deg TCA					
396.00	417.00	GREYWACKE					
		Same as above. Lower CT is gradational with strong ser alt'n					
		396.00 396.00					
		Contact is sharp @ 50 deg TCA					
417.00	545.00	BIMODAL PORPHYRY					
		Same as above with tr subhedral xenoliths up to 3" in diameter					
		439.50 440.00					
		Missing Core					
		445.00 445.50					
		Crushed/fractured core. Probable chl/ser ltr FLT					
		545.00 545.00					
		EOH					
		END OF HOLE					
		Total number of samples [illegible]					
		Total length sampled [illegible]					

S. Carmichael March 05

TIEP Konyn Nickel
DRILLING LOG

Property: CONTINENTAL

Hole no: PPH 9 Zone no: Contractor: H & S Started: 22/07/2004
Canton : LEBEL Completed: 24/07/2004
Lot : Rang : Claim no: 2460

Part # : Level : Section Working officCORE AT MACASSA MINE

Collar coordonate : Line : 205+35 E Latitude: 24900.00N Azimuth: 340° 0' 0"
Station: 1+35 N Longitude: 29660.00E Dip: 45° 0' 0"
Reference system : Elevation: 34.23 Depth: 546.00

Deviation tests :

Depth	Dip	Az Truth
46.00 F	45° 0' 0"	340° 0' "
246.00 F	39° 0' 0"	340° 0' "
496.00 F	36° 0' 0"	340° 0' "

Comments :

Water debit: Plug: Car érée: BQ
Cement : Core size: Localisation :
Description :

Property D Heasman Date logged: 0?/08/2004 Hole no: PPH 9

FROM (F	TO (F	DESCRIPTION	Sample	FROM (F	TO (F	Length (F								
0.00	19.00	CASING;												
19.00	309.50	CONGLOMERATE: Polymictic; intact framework with qwcke/arenaceous matrix and minor fragmental lenses; 1-2% hairline qtz+/-carb stringers and minor bullish veining unless otherwise noted												
		25.00 - 31.50 Broken core, poor competency. Rusty weathered color												
		79.50 - 80.50 Check sample of 5"QCrbV@70	121230	79.50	80.50	1.00	001							
		80.10 - 80.30 QTZ CARB VEIN, 0.5" wide, milky white, chloritic, sericitized, brecciated, bullish looking qtz carb vein. Dip is @ 70 deg TCA												
		201.80 - 205.00 Check sample of Flt@20, in moderately to weakly altered Conglomerate	121231	201.80	205.00	3.20	001							
		202.20 - 202.60 FAULT; 1" wide, clay grit filled, chloritic, brittle fault. Broken core; poor competency. Dip is +/-20 deg TCA.												
		307.00 - 309.50 Check sample of 2-3% fg-mg py mineralization. Weakly altered conglomerate with vfg-fg greywacke matrix. Moderate to strong foliation	121232	307.00	309.50	2.50	001							
309.50	310.50	FELDSPAR PORPHYRY: Massive, fg-mg; faint pink feldspar phenos, 3-5% fg-mg py. u/c is sharp +/-65 deg TCA												
		309.50 - 310.50 Check sample of Feldspar Porphyry	121233	309.50	310.50	1.00	01							
[illegible]	371.30	CONGLOMERATE Polymictic, intact framework with qwcke/arenaceous matrix and minor fragmental												

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F	TO (F)	Length F					
		lenses, 1 2% hairline qrtz+ carb stringers and minor bullish veining unless otherwise noted u/c is sharp @ 65 deg TCA									
		310 50 312.00 Check sample of 2 3% fg mg py mineralization Moderately foliated	121244	310.50	312.00	1 50	001				
		340.00 341.00 2 3% cg vcg py	121235	340.00	341.00	1.00	001				
		344.20 345.20 3 5% cg vcg py	121236	344.20	345.20	1.00	001				
		348.50 350.00 Check sample of 1.3"QCrbV@65, 2 3% mg cg py mineralization in conglomerate host rock	121237	348.50	350.00	1 50	001				
		349.30 349.60 QTZ CARB VEIN; 1.3" wide, creamy white, chloritic, bullish looking qtz carb vein Dip is @ 65 deg TCA									
		358.50 359.50 3 5% cg vcg py.	121238	358.50	359.50	1.00	.01				
374 30	511.10	TUFF: Massive, fg, sandy natured with minor fragmental lenses; 1 2% hairline qrtz+ carb stringers and minor bullish veining unless otherwise noted u/c is sharp @ 60 deg TCA									
		404.00 407.00 Locally strongly bleached and highly hematized 2 3% mg cg py	121239	404.00	407.00	3 00	01		121240	BLANK	001
		409.00 411.00 Locally strongly bleached and strongly hematized 2 3% mg cg py	121241	409.00	411.00	2.00	03				
		426.00 440.00 POST VEIN ALT ZONE(?); Locally strongly bleached and highly hematized Overall 1 2% fg cg py	121242 121243 121244	426.00 429 00 432.00	429.00 432.00 435.00	3.00 3 00 3.00	001 001 001				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		433.50 434 10 QTZ VEIN POST VEIN?) 3" wide, greyish pink, chloritic qtz vein ? 3% fg mg py Dip is @ 35 deg TCA										
			121245	435.00	438.00	3.00	001					
			121246	438.00	440.00	2.00	001					
		439.40 439.60 QTZ VEIN; 1" wide, drk grey, chloritic qtz vein 2 3% mg cg py, 2 3% vcg cpy Dip is @ 70 deg TCA										
		447.00 449.00 Locally strongly bleached and highly hematized 2 3% mg py	121247	447.00	449.00	2.00	.001					
		456.00 457.00 Same as above	121248	456.00	457.00	1 00	.001					
		481.00 484.00 Moderately bleached and silicified Locally hematized	121249	481.00	484.00	3.00	.001					
		503.60 504.40 Broken core; poor competency										
		506.00 511.00 Qtz carb flooding (5 7% qtz carb) Strongly hematized, highly sericitized 2 3% fg mg py	121250	506.00	508.00	2.00	001					
			121251	508.00	511.00	3.00	001					
511 10	546.00	BI MODAL PORPHYRY: Massive, fg, well developed phenocrysts ; 2% mafic inclusions; 1 2% hairline qtz+ carb stringers and minor bullish veining unless otherwise noted u/c is sharp @ 85 deg TCA										
		522.00 534.00 Strongly bleached and highly silicified 2 3% fg mg py	121252	522.00	524.00	2.00	001					
			121253	524.00	526.00	2.00	001					
			121254	526.00	528.50	2.50	001					
			121255	528.50	529.50	1 00	01					
		528.90 529.20 FAULT; 1" wide, brecciated, chloritic, clay grit filled fault tr py Dip is @										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
		50 deg TCA					
			121256	529.50	531.00	1.50	.01
			121257	531.00	534.00	3.00	01
		532 70 533.90 Broken core; poor competency					
		546.00 546.00 E.O.H					
		END OF HOLE					
		Total number of samples : 27 Total length sampled : 55 70					
		S. Carmichael March/05					

TGBI Eeuyn Noranda
DRILLING LOG

Property CONTINENTAL

Hole no: PPH 10 Zone no Contractor: Heath and Sherwood Started: 14/07/2004
Canton : LEBEL Completed. 16/07/2004
Lot : Rang : Claim no: 2450

Puit # : Level : Section: Working offic CORE AT MACASSA MINE

Collar coordonate : Line : 202+50 E Latitude: 25010.00N Azimuth: 30° 0' 0"
Station: 4+50 N Longitude: 29255.00E Dip: 68° 0' 0"
Reference system : Elevation: 28.51 Depth: 606.00

Deviation tests :

Depth	Dip	Az Truth
F	° ' "	° ' "

Comments :

Water debit: Plug: Car érée: BQ
Cement : Core size: Localisation :
Description :

Logged by Michael MacKenzie Date logged: 26/07/2004 Hole no. PPH 10

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F			
0.00	20.00	Casing							
20.00	48.40	Tuff: Grey, fine grained, massive, weakly banded, sandy							
48.40	377.30	Conglomerate Greyish green, massive, polymictic							
		48.40 65.00 Sericite alteration and local rusty weathering							
		48.40 48.10 Quartz vein							
		51.60 51.60 Shear plane with grit seam @37tca							
		58.40 58.40 Weathered fracture @40tca							
		152.60 157.80 Greywacke band							
		237.60 237.60 Slip @20tca							
		314.40 341.40 Slip @40tca							
		415.00 415.00 Slip @15tca	38754	332.80	334.40	1.60	001	001	001
		333.10 333.50 Ankerite alteration @55tca							
377.30	450.40	Greywacke: Medium dark grey green, sandy, massive to poorly bedded, local pebble rich beds							
		384.70 384.70 Foliation @55tca	38754	413.00	415.00	2.00	001		
		413.70 413.70 Foliation @45tca							

FROM F	TO F	DESCRIPTION	Sample	FROM Ft	TO Ft	Length Ft			
450.10	504.70	Pyroclast Porphyry: Pale orange, massive, porphyritic, minor local Sericite alteration							
		450.40 450.10 Contact @30tca							
			48250	459.00	460.00	1.00	001		
		459.30 459.30 1.5" Clear white quartz vein @30tca							
		496.00 496.40 Sericite foliation @55tca	48256	496.00	499.00	3.00	001		
			48257	499.00	501.50	2.50	001		
501.70	513.40	Conglomerate Medium green, massive, polymictic							
		504.70 504.70 Contact @30tca							
513.40	565.20	Greywacke: Medium grey green, sandy, massive							
		513.40 513.40 Bedding @45tca							
		539.70 539.70 Sericite and Crb alteration @55tca							
		559.10 564.80 Sericite alteration and shearing increasing down hole, trace pyrite	48258	562.30	564.80	2.50	004		
		564.00 564.00 Foliation @ 35tca							
		564.40 564.40 Fault: 1mm clay grit seam @60tca							
		564.80 566.00 Quartz veining, sericite alteration, 1% pyrite	48259	564.80	566.00	1.20	016	016	016
565.20	569.00	Syenite Porphyry: Pale pink, fine grained, massive minor quartz veinlets	48260	566.00	569.00	3.00	002		

FROM (F)	TO (F)	DESCRIPTION
569.00	606.00	Basic syenite. Medium grey green, medium grained, massive, local felsic ribs 570.40 574.00 Ground core 578.30 579.30 Shear Zone: Qtz crb sericite alteration, moderately foliated, 1% pyrite 578.30 578.30 Foliation @42tca 579.10 579.10 Slip @45tca 606.00 606.00 End of Hole END OF HOLE Total number of samples : 14 Total length sampled : 29.20 S. Carmichael March 05

Sample	FROM (F	TO (F	Length (F)	
38261	569.00	570.40	1.40	.001
38262	574.00	576.00	2.00	.001
38263	576.00	578.30	2.30	.002
38264	578.30	579.30	1.00	.004
38265	579.30	582.00	2.70	.001
38266	582.00	585.00	3.00	.001

CEMI Kenya Limited
DRILLING LOG

Property: CONTINENTAL

Hole no: PMH 11	Zone no:	Contractor: H&S	Started: 15/07/2004
Nation: LEBEL			Completed: 19/07/2004
Lot:	Kimp:	Claim no: 2450	
Part of:	Level:	Section:	Working office: OKE AT MACASA MINE
Collar coordinate:	Line: 202+50 E	Latitude: 25010.00N	Azimuth: 328° 0' 0"
	Station: 4+50 N	Longitude: 29255.00E	Dip: 90° 0' 0"
Reference system:		Elevation: 28.51	Depth: 836.00

Deviation tests:

Depth	Dip	Az Truth
36.00 F	90° 0' 0"	328° 0' "
236.00 F	90° 0' 0"	328° 0' "
336.00 F	90° 0' 0"	328° 0' "
606.00 F	87° 0' 0"	328° 0' "
806.00 F	85° 0' 0"	328° 0' "

Comments:

Water drill:	Plug:	Casing:	BQ
Cement:	Core size:	Localisation:	
		Description:	

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F	
0.00	26.00	CASING,					
26.00	44.50	TUFF: Massive, fg, sandy textured with minor fragmental lenses; 1-2% hairline qtz+ carb stringers					
		36.50 - 37.50 Check sample of 7"QCrbV@60, in weakly altered tuff - 2-3% dissem py	121202	36.50	37.50	1.00	001
		36.80 - 37.00 QTZ CARB VEIN, 0.7" wide, creamy white to light pink, chloritic qtz carb vein - 1-2% mg cg py. Dip is @ 60 deg TCA					
44.50	67.60	CONGLOMERATE: Polymictic; intact framework with gwacke/arenacious matrix and minor fragmental lenses. 1-2% hairline qtz+ carb stringers. u/c is sharp @ 55 deg TCA					
		61.00 - 64.00 Sample of strong foliation @ 55 deg TCA in conglomerate unit. Moderately sericitized - 1-2% fg-mg py. Gossan staining.	121203	61.00	64.00	3.00	001
		62.30 - 62.70 FAULT; Brittle fault - Gossan staining - Dip is @ 50 deg TCA					
67.60	91.10	GREYWACKE: Massive, mg cg, tr jasper frags. 1-2% hairline qtz+ carb stringers. u/c is sharp @ 30 deg TCA					
91.10	548.40	CONGLOMERATE: Polymictic, intact framework with gwacke/arenacious matrix and minor fragmental lenses. 1-2% hairline qtz+ carb stringers and minor bullish veining unless otherwise noted. u/c is sharp @ 55 deg TCA					
		95.00 - 96.00 Check sample of Shifty-90, in relatively unaltered conglomerate	121204	95.00	96.00	1.00	01

FROM (F	TO F	DESCRIPTION	Sample	FROM F	TO (F)	Length (F		
		95.60 95.70 SHEAR; 0.5" wide, light green, sericitized shear Dip is @ 90 deg TCA. 1 2% vfg fg py						
		127 70 128.70 Check sample of creamy white carb veining Overall 1' wide, generally dipping @ 60 deg TCA Fresh conglomerate	121205	127 70	128 70	1.00	001	
		226.53 226.50 Strong chloritic slip @ 20 deg TCA						
		275.40 275.60 CARB VEIN; 0.7" wide, creamy white to light pink, chloritic, bullish carb vein Dip is @ 40 deg TCA.						
		351.00 352.00 Check sample of 2 7"QCrbV@85, in moderately sericitized conglomerate.	121206	351.00	352.00	1.00	.001	
		351.20 351.40 QTZ-CARB VEIN; 2.7" wide, grey to light pink, weakly brecciated, chloritic qtz-carb vein. Dip is @ 85 deg TCA.						
		415 70 417.20 Check sample of 1 5"QCrbV@35						
		415.70 417.20 QTZ CARB VEIN; 1.5' wide, creamy white, transparent in places, chloritic, bullish qtz carb vein Dip is @ 35 deg TCA	121207	415 70	417.20	1.50	.01	
548.40	567.20	GREYWACKE; Massive, mg cg, light green with tr jasper frags 1 2% hairline qrtz+ carb stringers						
		556.00 558.00 Sample of Shr@45	121208	556 00	558.00	2.00	01	
		556.30 560 80 SHEAR,						

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length cF							
		Ser itized, chloritic shear											
		brecc e zone, poor competency											
		General dip is @ 45 deg TCA											
		558.00 560.80	121209	558.00	560.80	2.80	001						
		Sample of shr 1%											
		560.80 561.80											
		Check sample of 4"QCrbV@45											
		560.80 561.20	121210	560.80	562.30	1.50	001						
		QTZ CARB VEIN;											
		4" wide, creamy white, chloritic,											
		ser itized qtz carb vein Dip is @											
		45 deg TCA											
567.20	596.00	BASIC SYENITE.											
		Massive, mg cg, felsic ribs to 1"; overall											
		drk med brown grey 1 2% hairline qtz carb											
		stringers and minor bullish veining unless											
		otherwise noted u/c is sharp @ 50 deg TCA											
		596.00 613.00	38248	596.00	599.00	3.00	005	005	004				
		Wing samples of Post Vein@50 Weakly	38249	599.00	602.00	3.00	001			38249	BLANK	005	
		sericitized in places with 3 5% qtz carb	38351	602.00	605.00	3.00	004						
		veining tr mg py, tr cpy	38352	605.00	608.00	3.00	007						
			38353	608.00	611.00	3.00	009	.008	010				
			38354	611.00	613.00	2.00	001						
		613.00 631.00	38355	613.00	616.00	3.00	006						
		Wing samples of Post Vein@50 Moderately	38356	616.00	619.00	3.00	006						
		to strongly sericitized, with 1 2% fg mg	38357	619.00	622.00	3.00	009						
		py, tr cpy	38358	622.00	625.00	3.00	008						
			38359	625.00	628.00	3.00	014	014	013				
			38360	628.00	631.00	3.00	039	039	039				
		631.00 662.00											
		Sample of Post Vein@50											
		631.00 662.00	38361	631.00	634.00	3.00	019						
		POST VEIN;	38362	634.00	637.00	3.00	005						
		81" wide , creamy white to light	38363	637.00	640.00	3.00	030						
		green, sericitized, and chloritized	38364	640.00	643.00	3.00	008						
		qtz v n with some carb 1% fg mg	38365	643.00	646.00	3.00	005						
		py, tr fg cpy, tr galena Possibly	38366	646.00	649.00	3.00	005						
		some Bi tellurides Dip is @ 60 deg	38367	649.00	652.00	3.00	002						
		TCA	38368	652.00	655.00	3.00	005						
			38369	655.00	658.00	3.00	011			38369	BLANK	001	

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F						
			38372	658.00	660.00	2.00	006					
			38373	660.00	662.00	2.00	012	011	013			
		662.00 671.00	38373	662.00	665.00	3.00	007					
		Wing samples following Post Vein.50	38374	665.00	668.00	3.00	001					
		2-3% qtz carb veining tr mg py, tr cpy	38375	668.00	671.00	3.00	001	001	001			
		Fresh to weakly altered basic syenite										
		699.50 719.00	121211	699.50	703.00	3.50	001					
		7-10% qtz carb veining, chloritic, weakly	121212	703.00	706.50	3.50	01					
		altered tr py	121213	706.50	710.00	3.50	001					
			121214	710.00	713.50	3.50	01					
			121215	713.50	716.00	2.50	01					
			121216	716.00	719.00	3.00	02					
		721.00 0.00										
		Check sample of 2-3% qtz carb veining, in										
		relatively fresh basic syenite										
			121217	721.00	723.00	2.00	001					
		725.50 726.50										
		Check sample of 2"QCrbV@5										
		725.50 726.50	121218	725.50	726.50	1.00	001					
		QTZ CARB VEIN;										
		2" wide, creamy white, flat lying,										
		chloritic, bullish qtz carb vein										
		836.00 836.00										
		E.O.H.										
		July 29, 2004										
		DH										
		END OF HOLE										
		Total number of samples : 43										
		Total length sampled : 112.40										

S. Carmichael
March 05

[illegible] Ronyn Nor[illegible]
DRILLING LOG

Property. CONTINENTAL

Hole no: PPH 12 Zone no: Contractor: H&S Started: 04/08/2004
Claim: LEBEL Completed: 06/08/2004
Lot . Rang : Claim no: 2450

Part # : Level : Section: Working officCORE AT MACASSA MINE

Collar coordonate . Line : 204+65 E Latitude: 25060.00N Azimuth: 300° 0' 0"
Station: 3.70 N Longitude: 29475.00E Dip: 45° 0' 0"
Reference system : Elevation: 49.00 Depth: 406 00

B.L

Deviation tests :

Depth	Dip	Az Truth
F	° ' "	° ' "

Comments :

Water debit Plug: Car érée: BQ
Cement Core size. Localisation :
Description :

[illegible] PG Date logged: [illegible]/2004 Hole no: PPH 12

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F				
0.00	11.00	Casing								
11.00	63.00	CONGLOMERATE Medium greenish grey coloured, massive, polymictic with greywacke matrix. Fresh to local alt'd, 1-2% ank stringers throughout along with tr mg py and chalcopyrite								
63.00	244.70	TUFF Grey to reddish brown coloured fine gr'd ash tuff with bedding @ approx 50 deg TCA, 1-2% ank stringers throughout, local lapilli and local minor fragmental lenses. Upper ct is sharp @ 55 deg TCA 63.00 - 63.00 Ct is sharp @ 55 deg TCA 101.00 - 101.50 Chl slip @ 60 deg TCA								
142.00	145.00 Mod to strong hem alt'd with local ser alt'n along with tr fg to mg py and tr ccp		127399	142.00	145.00	3.00	003			
145.00	148.00 Same as above with decreasing hem alt'n		127400	145.00	148.00	3.00	001			
216.00	219.00 Mod sil with tr py		127401	216.00	219.00	3.00	003			
219.00	222.00 Strong hem alt'd with local tr ccp and fg to mg py		127402	219.00	222.00	3.00	001			
222.00	225.00 Same		127403	222.00	225.00	3.00	002			
225.00	228.00 Same		127404	225.00	228.00	3.00	001	001	001	
228.00	231.00 Same		127405	228.00	231.00	3.00	001			
231.00	234.00 Strong hem alt'd with alternating hem and ct [illegible] within foliation @ approx [illegible] deg		127406	231.00	234.00	3.00	004			

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length Ft					
		TCA local patches of fg to fgl									
		234.00 237.00	127407	234.00	237.00	3.00	002				
		Mod hem alt'd									
		237.00 240.00	127408	237.00	240.00	3.00	001				
		Same									
		240.00 243.00	127409	240.00	243.00	3.00	002				
		Same									
		243.00 246.00	127410	243.00	246.00	3.00	002				
		Mod sil alt'd with shear zone & contact with tr Sulphides Basic syenite unit sampled is mod sil alt'd along with felic rib ' approx 2" in diameter									
244.70	309.50	BASIC SYENITE									
		Massive, fine gr'd textured, light greenish grey coloured with 1 2% felsic ribs and ank stringers throughout Mod chl and wk'ly sil alt'd with local ser alt'n.									
		244 70 244 70									
		Ct along Chl FLT @ 50 deg TCA									
		246.00 249.00	127411	246.00	249.00	3.00	005				
		Mod sil alt'd									
		283.00 286.00	127412	283.00	286.00	3.00	002				
		Mod sil and chl alt'd with wk to mod ser Seams @ 35 deg TCA with local qtz +/- ank throughout									
		286.00 289.00	127413	286.00	289.00	3.00	001				
		Same									
		289.00 291.00	127414	289.00	291.00	2.00	001				
		Wk'ly sil alt'd with 10% ank @ 35 deg TCA									
		291.00 294.00	127415	291.00	294.00	3.00	001				
		Mod to strong ser and chl alt'd with wk to mod sil alt'n and tr fg to mg py									
		294.00 297.00	127416	291.00	297.00	3.00	115	109	120		
		Mod sil and hem alt'd with tr to [illegible] to ank and qtz									

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO (F)	Length F				
		297.00 300.00 Same as above with increasing Hem alt'n	127417	297.00	300.00	3.00	001			
		300.00 303.00 Same as above with 1 2% qtz +/ ank veinlets @ 35 deg TCA	127418	300.00	303.00	3.00	001			
		303.00 306.00 Same as above	127419	303.00	306.00	3.00	001			
		306.00 308.00 Mod sil and 1 2% ank +/ qtz stringers @ 50 deg TCA	127420	306.00	308.00	2.00	015			
		308.00 309.50 Mod sil and chl alt'd with 1% ank +/ qtz stringers @ 50 deg TCA	127421	308.00	309.50	1.50	001			
309.50	346.00	BIMODAL PORPHYRY Massive, fine gr'd textured with 10% well developed pheno's, 1% ank stringers and tr xenoliths up to 1" in diameter Light reddish brown colour with wk sil and hem alt'n								
		309.50 312.00 Porphyry unit, wk to mod sil alt'd check sample 309.50 309.50 Contact is sharp @ 55 deg TCA	127422	309.50	312.00	2.50	001	127423	Blank	.001
		340.00 346.00 6' lost core Possible stope/ open ground.								
346.00	406.00	BASIC SYENITE Massive, fg textured with 1% ank stringers and felsic ribs up to 1/2" in diameter Greenish to dark grey coloured with local mod chl alt'n, mod sil, local hem ans ser alt'n Upper ct is most likely in lost core								
		406.00 406.00 EOH								
		END OF HOLE								
		Total number of samples : 24 Total length sampled : 72.00								

D. Carmichael March 105

[illegible] Noranda

DRILLING LOG

Property CONTINENTAL

Hole no: PRH 15 Zone no: Contractor: H & S Started: 20/07/2004
Tuteur: GERBIL Completed: 21/07/2004
Lot Rang : Claim no: 2450

Unit # Level Section: Working officCORE AT MACASSA MINE

Collar coordinate : Line : 20318 E Latitude: 24940.00N Azimuth: 300° 0' 0"
Station: 3420 N Longitude: 29380.00E Dip: 45° 0' 0"
Reference system : Elevation: 30.64 Depth: 426.00

Deviation tests :

Depth	Dip	Az Truth
96.00 F	43° 0' 0"	300° 0' "
226.00 F	38° 0' 0"	300° 0' "
426.00 F	36° 0' 0"	300° 0' "

Comments :

Water debit: Plan Cal crée BQ
Cement : Core size Localisation :
Description :

[illegible] Noranda [illegible] [illegible]

FROM	TO	DESCRIPTION	Sample	FROM	TO	Length					
	F			F	F	F					
0.00	31.00	CASING;									
31.00	344.10	CONGLOMERATE: Polymictic, intact framework with gwacke/arenaceous matrix and minor fragmental lenses. 1-2% hairline qtz+/- carb stringers and minor bullish veining unless otherwise noted									
		73.00 - 76.00	121258	73.00	76.00	3.00	001				
		Check sample of strongly bleached and highly silicified conglomerate. tr py									
		142.50 - 150.00 Fracture parallel TCA. Weakly chloritic									
		296.50 - 297.50	121259	296.50	297.50	1.00	01			121260	BLANK 01
		Check sample of strongly silicified, moderately bleached greywacke lens. Alteration extends 5' centered in sample. 2-3% fg-mg py									
344.10	410.30	BASIC SYENITE: Massive, mg-cg; felsic ribs to 1", overall drk med brown grey. 1-2% hairline qtz+/- carb stringers and minor bullish veining unless otherwise noted. u/c is sharp, +50 deg TCA									
		347.80 - 348.20 Broken core; poor competency									
		381.50 - 382.50	121261	381.50	382.50	1.00	001				
		Check sample of 2"QCrbV@50, in fresh basic syenite									
		382.00 - 382.30 QTZ-CARB VEIN; 2" wide, greyish white, chloritic, bullish looking qtz carb vein. Dip is +/-50 deg TCA									
		388.10 - 392.60 Broken core; poor competency									
		401.00 - 403.00	121262	401.00	403.00	2.00	001				
		Wkg sample: 4-5%Py@45°. Moderately brecciated w/n fault. Fresh buff syenite									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
		403.00 404.20					
		Check sample of FltPy@35					
		403.00 404.20	121265	403.00	404.20	1.20	01
		FAULT;					
		Chloritic, mud/clay grit filled,					
		brittle fault 2-3% fg mg py tr mg					
		cpy Dip is @ 35 deg TCA					
		404.20 406.00	121266	404.20	406.00	1.80	001
		Wing sample of FltPy@35, in moderately					
		brecciated, fresh basic syenite					
410.30	426.00	CONGLOMERATE:					
		Polymictic; intact framework with					
		gwcke/arenacious matrix and minor fragmental					
		lenses 1-2% hairline qrtz+ carb stringers and					
		minor bullish veining unless otherwise noted u/c					
		is sharp @ 70 deg TCA.					
		415.00 416.00	121262	415.00	416.00	1.00	.001
		Check sample of 2-3% fg mg py in fresh					
		conglomerate					
		417.50 419.50	121263	417.50	419.50	2.00	.001
		Check sample of 2-3% fg mg py, in locally					
		moderately bleached and silicified					
		conglomerate.					
		426.00 426.00					
		E.O.H					
		END OF HOLE					
		Total number of samples : 8					
		Total length sampled : 13.00					

S. Carmichael
March 105

DRILLING

Property: CONTINENTAL

Hole No: PRH 14 | Zone no: | Contractor: H&S | Started: 13/08/2004
Union: LEBEL | Completed: 16/08/2004
Grid: | Rang: | Claim no: 2450

Unit #: | Level: | Section: | Working office CORE AT MACASSA MINE

Collar coordonate: | Line: 202+15 E | Latitude: 24840.00N | Azimuth: 300° 0' 0"
Station: 2+68 N | Longitude: 29320.00E | Dip: 45° 0' 0"
Reference system: | Elevation: 53.58 | Depth: 406.00

BL

Deviation tests:

Depth	Dip	Az Truth
36.00 F	45° 0' 0"	300° 0' "
406.00 F	42° 0' 0"	300° 0' "

Comments:

Water debit: | Plug: | Cut: | Core: | BQ
Cement: | Core size: | Localisation: |
Description:

[illegible]
DRILLING LOG

Property: CONTINENTAL

Hole no: PPH 15 | Zone no: | Contractor: H&S | Started: 17/08/2004
Claim: LEASE | Completed: 27/08/2004
Lot | Range | Claim no: 2450

Part # | Level | Section | Working: office CORE AT MACASSA MINE

Collar coordonate | Line : 20035 E | Latitude : 24597 00N | Azimuth: 0° 0' 0"
Station 0+05 N | Longitude 20262 00E | Dip 90° 0' 0"
Reference system : | Elevation 18 18 | Depth: 1276 00

BL

Deviation tests :

Depth	Dip	Az Truth
36.00 F	90° 0' 0"	0° 0' "
236.00 F	90° 0' 0"	0° 0' "
436.00 F	87° 0' 0"	0° 0' "

Comments :

Water: debit
Amount

Plug.
Core size

Cas
Localisation
Description

Core

BQ

Logged by: F

Date logged: /2/04

Hole no: PPH

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F	TO (F	Length F	
0.00	8.50	Casing					
8.50	406.00	CONGLOMERATE: Massive, fresh, polymictic peb cob Framework supported, jasperoidal w C matrix					
		181.00 182.00	131330	181.00	182.00	1.00	001
		1" irr Qtz cobble/vein? @ approx 55 deg TCA in fresh Conglomerate.					
		355.30 355.50					
		Strong chl FLT @ 50 deg TCA followed by 4" of ground core					
		369.70 371.00	131331	369.70	371.00	1.30	001
		3" qtz ank vein with tr Cpy @ 50 deg TCA					
		406.00 406.00					
		EOH					
		END OF HOLE					
		Total number of samples : 2					
		Total length sampled : 2.30					

S. Carmichael
March 05

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F					
0.00	4.00	Casing									
4.00	347.00	CONGLOMERATE: Massive, fresh, polymictic peb cob Framework supported, jasperoidal w G matrix									
347.00	400.80	BIMODAL PORPHYRY: Massive, f gr'd/tex'd with 1-2% ank+/- Qtz stks, loc Xeno up to 1" indiameter Wk+mod sil alt'd w loc strng altn zones Pale reddish brown coloured with greater than 10% well developed phenos 347.00 347.00 Ct is sharp @ 50 deg TCA									
400.80	436.50	CONGLOMERATE: Massive, fresh, polymictic peb cob Framework supported, jasperoidal w G matrix 400.80 400.80 Ct is sharp @ 50 deg TCA with tr fg py along ct zone									
436.50	834.50	TUFF: Massive to poorly bedded fg to sandy ash T w minor/local scattered mud clasts and tr local trachyte lenses 436.50 436.50 Ct is sharp @ 50 deg TCA 504.00 504.30 3" ank vein with ser alt'n @ 50 deg TCA 633.00 633.60 Strong chl FLT @ 20 deg TCA									
		816.00 819.00 Wk to mod sil with bedding @ 40 deg TCA	131241	816.00	819.00	3.00	001			131240	blank	001
		819.00 821.50 Same as above	131242	819.00	821.50	2.50	001					
		821.50 823.50 Mod chl and wk'ly ser alt'd with 1-2% ank +/- qtz stringers and tr cpy and fg to mg py	131243	821.50	823.50	2.00	001					

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length (F.		
		823.50 825.00 Same as above	131244	823.50	825.00	1.50	001	
		825.00 826.00 Mod to strong chl alt'n leading 3" mod bx qtz ank vein with 3 5% fg and mg py along with local cpy controlled by strong chl FLT = 35 deg TCA 825.70 826.00 Strong Chl FLT = 35 deg TCA Controlling QVn	131245	825.00	826.00	1.00	001	
		826.00 828.00 Crushed highly fractured core with mod to strong local hem, chl and ser alt'n along with 1 2% Sulphides	131246	826.00	828.00	2.00	001	
		828.00 830.00 Same as above	131247	828.00	830.00	2.00	001	
		830.00 832.00 Same as above	131248	830.00	832.00	2.00	001	
		832.00 834.50 Mod hem and sil alt'd with r cpy	131249	832.00	834.50	2.50	001	
834.50	1276.00	BASIC SYENITE. Massive, mg to cs gr'd/tex'dw 1 2% ank +/- qtz strs = deg TCA and felsic fibr up to 1" in diameter along with tr py.						
		834.50 837.50 Fresh to wk'ly sil alt'd L 834.50 834.50 Ct is sharp 30 deg TCA	131250	834.50	837.50	3.00	001	
		847.50 849.00 Wk'ly to mod sil alt'd with 3" qtz ank vein = 40 deg TCA with tr S 1066.00 1086.00 Strongly fractured core	131251	847.50	849.00	1.50	001	
		1186.001188.50 Local mod to strongly alt'd with tr to 1% sulphides conc. lied by chl slips = 5	131252	1186.00	1188.50	2.50	001	

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)
		deg TCA and ~5% microfractures throughout				
		1276.00 1276.00 EOH				
		END OF HOLE				
		Total number of samples : 12				
		Total length sampled : 25.50				

S. Carmichael
March 10/5

Property CONTINENTIAL

Hole no: PTH 16 Zone no: Contractor: Heath and Sherwood Started: 30/08/0400
Camp: LEMPI Completed: 09/09/0400
Lot Part : Claim no: 2450

Part B Level : Section Working office CORE AT MACASSA MINE

Collar coordonate : Line : 200. 0 E Latitude: 24332.00N Azimuth: 0° 0' 0"
Station: 2. 0 S Longitude: 29390.00E Dip: 90° 0' 0"
Reference system : Elevation: 42.91 Depth: 1401.00

Deviation tests :

Depth	Dip	Az Truth
16.00 F	90° 0' 0"	0° 0' "
216.00 F	90° 0' 0"	0° 0' "
416.00 F	88° 0' 0"	0° 0' "
616.00 F	90° 0' 0"	0° 0' "
816.00 F	90° 0' 0"	0° 0' "
1016.00 F	90° 0' 0"	0° 0' "
1216.00 F	90° 0' 0"	0° 0' "
1401.00 F	90° 0' 0"	0° 0' "

Comments

Water debit Plug Cut ériée BQ
Cement : Core size Localisation :
Description :

FROM F	TO F	DESCRIPTION	Sample	FROM F	TO F	Length F
0.00	3.00	Casing				
3.00	343.10	Basic Syenite: Dark medium grey green, hg., massive, trace pyrite, minor local crb chlorite veinlets 195.60 195.60 Fault @15tca: 0.2" clay grit seam 256.00 256.00 Block at 270 feet should read 260 Therefore, subtract 10 feet from down hole footage blocks				
343.10	378.80	Syenite Porphyry: pale red, fg, massive, trace 1% pyrite 343.10 343.10 contact @43tca				
378.80	387.40	Felsic Syenite: pale red, mg, massive, trace pyrite 378.80 378.80 contact @18tca				
387.40	408.20	Syenite Porphyry: Same as described above				
408.20	416.90	Basic Syenite: Same as described above				
416.90	436.70	Syenite Porphyry: Same as described above				
436.70	455.50	Basic Syenite: Same as described above 436.70 436.70 contact @55tca				
455.50	532.60	Bimodal Porphyry: reddish grey, fg, massive, 10-12% coarse phenocrysts, trace pyrite 455.50 455.50 contact @25tca				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
		1043.001044.00					
		3% pyrite					
			131979	1044.00	1047.00	3.00	001
		1047.001049.60	131980	1047.00	1049.60	2.60	001
		20% milky qt crb veining @50tca	131981	1049.60	1051.00	1.40	001
		1401.001401.00					
		End of Hole					
		END OF HOLE					
		Total number of samples : 25					
		Total length sampled : 63.60					

S. Carmichael
March/05

CEGEP Ronyn N : ands
DRILLING LOG

Property: CONTINENTAL

Hole no: PPH 18 Zone no. Contractor: Heath and Sherwood Started: 09/09/0400
Canton : LEBEL Completed: 11/09/0400
Lot : Rang : Claim no: 2257

Part # : Level : Section: Working officCORE AT MACASSA MINE

Collat coordonate : Line : 205+55 E Latitude: 24435.00N ' Azimuth. 0° 0' 0"
Station. 4+30 S Longitude: 29981 70E Dip: 90° 0' 0"
Reference system : Elevation: 54.22 Depth: 456.00

Deviation tests :

Depth	Dip	Az Truth
16.00 F	88° 0' 0"	0° 0' "
216.00 F	90° 0' 0"	0° 0' "
446.00 F	90° 0' 0"	0° 0' "

Comments :

Water debit Plug: Car ered: BQ
Cement : Core size Localisation
Description

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		136.80 136.80									
		slip @35tca									
			131992	136.80	139.00	2.20	.001				
			131993	229.50	231.50	2.00	001				
		230.10 230.90									
		40 45% milky qtz veins @40tca + minor									
		sericite									
			131994	319.00	320.50	1.50	001				
		319.50 320.10									
		Crb qtz chlorite sericite vein @35tca									
		349.70 366.00	131995	349.70	352.00	2.30	002				
		local basic Syenite bands, local minor	131996	352.00	355.00	3.00	001				
		sericite, 5 7% clear milky qtz veinlets	131997	355.00	358.00	3.00	001				
			131998	358.00	361.00	3.00	001				
			131999	361.00	364.00	3.00	001				
			132000	364.00	367.00	3.00	.001				
366.00	456.00	Basic Syenite:	132001	367.00	370.00	3.00	.002				
		medium dark green, fg, massive, leucoxene	132002	370.00	373.00	3.00	.001				
		overprinting, trace 1% pyrite	132003	373.00	376.00	3.00	.002				
			132004	376.00	379.00	3.00	.001				
			132005	379.00	381.00	2.00	.004				
			132006	381.00	382.50	1.50	.002				
		382.50 394.70									
		milky clear qtz vein, trace pyrite,									
		Possible Post Vein ?									
		382.50 382.50									
		slip @35tca									
			132007	382.50	385.00	2.50	028				
			132008	385.00	388.00	3.00	002				
			132009	388.00	391.00	3.00	052	132010	001	Blank	
			132011	391.00	394.00	3.00	014				
			132012	394.00	397.00	3.00	001				
		394.70 402.30	132013	397.00	400.00	3.00	002				
		10% clear milky qtz	132014	400.00	403.00	3.00	001				
		402.30 426.00									
		3 5% clear milky qtz veinlets									
		402.30 402.30									
		slip @40tca									
			13.	403.00	406.00	3.00	002				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
			132016	406.00	409.00	3.00	001
			132017	409.00	412.00	3.00	002
			132018	412.00	415.00	3.00	.001
			132019	415.00	418.00	3.00	.001
			132020	418.00	421.00	3.00	002
			132021	421.00	424.00	3.00	001
			132022	424.00	426.00	2.00	.002
		440.00 451.00	132023	440.00	443.00	3.00	.004
		7 10% clear milky qtz veinlets	132024	443.00	446.00	3.00	.002
			132025	446.00	449.00	3.00	.001
			132026	449.00	451.00	2.00	.001
		456.00 456.00					
		End of Hole					
		END OF HOLE					
		Total number of samples : 43					
		Total length sampled : 112.80					

S. Carmichael
March 05

PolyMet Laboratories

Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate # 1073 Date: 12 Oct. 2004

Core Sample	Gold Oz/ton			Core Sample	Gold Oz/ton		
132547	<.001			131909	<.001		
132548	<.001			131910	<.001		
132549	<.001			131317	<.001		
132550	<.001			131318	<.001		
131898	<.001			131319	<.001		
131899	<.001			131320	<.001		
131900	<.001			131321	<.001		
131901	<.001			131322	<.001		
131902	0.048			131323	<.001		
131903	0.059			131324	<.001		
131904	0.006			131325	0.016		
131905	<.001			131326	<.001		
131906	0.002			131327	<.001		
131907	0.002			131328	<.001		
131908	0.001			131329	0.002		

30

○ Yes ◉ No

Certified by:

Fees Received

Assayer

Division of PolyMet Resources Inc. 1 Presley St., Cobalt, ON P0J 1C0

Tel: 705-679-5500 Fax: 705-679-5519

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PolyMet Laboratories

Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate # 1065 **Date:** Oct. 7, 2004

Core Samples		Gold Oz/ton
131683	N-04-40	<.001
131240		<.001
131241		<.001
131242		<.001
131243		<.001
131244		<.001
131245		<.001
131246		<.001
131247		<.001
131248	9PH-15	<.001
131249		<.001
131250		<.001
131251		<.001
131252		<.001
131253		<.001
131254		<.001
131255	104-04-24	<.001
131256		<.001
137563		<.001
137564	22-435	<.001
137565	"	<.001
129327		<.001
129328	35-354	<.001
129329		<.001

24 ○ Yes ◉ No

Certified by: Frank Smith

Fees Received

Assayer

Division of PolyMet Resources Inc. 1 Presley St., Cobalt, ON P0J 1C0

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PolyMet Laboratories

Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate #1199 Date: Nov. 22, 2004

Core Samples	Gold Oz/ton		Core Samples	Gold Oz/ton	
132019	<.001		136391	<.001	
132020	0.002		136392	<.001	
132021	<.001		136393	<.001	
132022	0.002		136394	0.002	
132023	0.004	Re - 132	136395	<.001	
132024	0.002		136396	<.001	
132025	<.001		136397	0.002	
132026	<.001		136398	<.001	Re-Ad-27
136355	<.001		136399	<.001	
136356	<.001		136400	<.001	
136357	<.001	Re-Ad-27	136401	<.001	
136358	<.001		136402	0.004	
136359	<.001		136403	<.001	
136390	<.001	Re-Ad-27	136404	<.001	
STD MA - 1B	0.500		Blank	<.001	
					28

28 ○ Yes ◉ No Certified by:

Fees Received Assayer

Division of PolyMet Resources Inc. 1 Presley St., Cobalt, ON P0J 1C0

Tel: 705-679-5500

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PolyMet Laboratories

Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate #1198 Date: Nov. 19, 2004

Core Samples	Gold Oz/ton		Core Samples	Gold Oz/ton	
133072	0.004	41-04-23	132008	0.002	
131995	0.002		132009	0.052	
131996	<.001		132010	<.001	
131997	<.001		132011	0.014	
131998	<.001		132012	<.001	
131999	<.001		132013	0.002	
132000	<.001		132014	<.001	
132001	0.002	004-18	132015	0.002	
132002	<.001		132016	<.001	
132003	0.002		132017	0.002	
132004	<.001		132018	<.001	
132005	0.004				
132006	0.002				
132007	0.028				
STD MA - 1B	0.498		Blank	<.001	
					25

25 ○ Yes ◉ No Certified by:

Assayer

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Tel: 705-679-5500

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PolyMet Laboratories

Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate #1196 Date: Nov. 19, 2004

Core Samples	Gold Oz/ton		Core Samples	Gold Oz/ton	
131988	<.001		136618	<.001	
131989	<.001		136619	<.001	
131990	<.001		136620	0.002	
131991	<.001		136621	<.001	
131992	<.001	PDH-18	136622	0.004	
131993	<.001		136623	<.001	
131994	<.001		136624	<.001	
136611	<.001		136625	<.001	mil-mu-24
136612	<.001		136626	0.002	
136613	0.004		136627	0.012	
136614	0.002	SU-04-25	136628	0.002	
136615	<.001		136629	<.001	
136616	<.001		136630	<.001	
136617	<.001		136631	<.001	
STD MA - 1B	0.499		Blank	<.001	
					28

28 ○ Yes ◉ No Certified by:

Fees Received Assayer

Division of PolyMet Resources Inc. 1 Presley St., Cobalt, ON POJ 1CO

Tel: 705-679-5500

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PolyMet RESOURCES INC.

Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate #1193 Date: Nov. 18, 2004

Core Samples	Gold Oz/ton		Core Samples	Gold Oz/ton	
131965	<.001		131979	<.001	
131966	<.001		131980	<.001	
131967	0.002		131981	<.001	
131968	<.001		136282	0.002	
131969	0.004		136283	<.001	
131970	<.001		136284	0.048	
131971	<.001		136285	0.058	
131972	<.001		136286	0.004	
131973	0.002		136287	<.001	
131974	<.001		136288	0.002	
131975	<.001		136289	<.001	
131976	0.008		136290	0.004	
131977	<.001		136291	0.002	
131978	<.001		136292	0.036	
STD MA - 1B	0.498		Blank	<.001	
					28

28 ○ Yes ◉ No Certified by:

Fees Received

Assayer

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Tel: 705-679-5500

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Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate #1195 Date: Nov. 18, 2004

Core Samples	Gold Oz/ton		Core Samples	Gold Oz/ton	
133114	<.001		133131	<.001	
133115	<.001		133132	<.001	
133119	<.001		133133	0.004	
133120	<.001		133134	<.001	
133121	0.002		133135	0.002	31-04-24
133122	<.001		133136	<.001	
133123	0.052		133137	<.001	
133124	0.018	31-04-24	133138	<.001	
133125	0.026		131982	<.001	
133126	0.002		131983	<.001	
133127	0.004		131984	<.001	PDU-18
133128	<.001		131985	<.001	
133129	<.001		131986	<.001	
133130	0.002		131987	<.001	
STD MA - 1B	0.496		Blank	<.001	
					28

28 ○ Yes ◉ No Certified by:

Fees Received Assayer

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PolyMet RESOURCES INC.

Project/Job No. 0-074

Client: Kirkland Lake Gold Inc.

Assay Certificate #1192 Date: Nov. 17, 2004

Core Samples	Gold Oz/ton		Core Samples	Gold Oz/ton	
133140	<.001		132765	<.001	
133141	<.001		132766	<.001	
133142	<.001	AV - 04-24	132767	0.002	
133143	<.001		132768	0.002	
133144	0.002		132769	<.001	
132770	0.004		131956	<.001	
132771	0.002		131957	<.001	
132772	0.002		131958	0.004	
132773	<.001		131959	0.012	
132774	0.002		131960	0.076	
132775	<.001		131961	0.062	
132776	<.001		131962	0.004	
132777	<.001		131963	0.002	
132778	<.001		131964	0.002	
STD MA - 1B	0.489		Blank	<.001	
					28

○ Yes ◉ No Certified by:

Fees Received Assayer

Division of PolyMet Resources Inc. 1 Presley St., Cobalt, ON P0J 1C0

Tel: 705-679-5500

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Swastika Laboratories Ltd

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Assaying - Consulting - Representation

Geochemical Analysis Certificate

4W-2579-RG1

Company: **KIRKLAND LAKE GOLD INC.** Date: NOV-15-04

Project

Attn. M. Sutton

We hereby certify the following Geochemical Analysis of 80 Core samples submitted NOV-11-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
127407	81	-	0.002	-
127408	24	-	<0.001	-
127409	84	-	0.002	-
127410	81	-	0.002	-
127411	158	-	0.005	-
127412	65	-	0.002	-
127413	Nil	-	<0.001	-
127414	5	-	<0.001	-
127415	38	-	0.001	-
127416	3737	4114	0.109	0.120
127417	Nil	-	<0.001	-
127418	14	-	<0.001	-
127419	10	-	<0.001	-
127420	509	-	0.015	-
127421	29	-	<0.001	-
127422	2	-	<0.001	-
127423	5	-	<0.001	-
135516	10	-	<0.001	-
135517	687	653	0.020	0.019
135518	38	-	0.001	-

Certified by Denis Chartier

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate

4W-1717-RG1

Company: **KIRKLAND LAKE GOLD INC.** Date: AUG-16-04

Project:

Attn: M. Sutton

We hereby certify the following Geochemical Analysis of ~~19~~ 11 Core samples submitted AUG-05-04 by .

Sample Number	Au PPB	Au Check PPB	Au 2nd PPB	Au 2ndCk PPB	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Au 2ndCk oz/ton
38402	17	-	-	-	<0.001	-	-	-
38403	36	31	-	-	0.001	<0.001	-	-
38404	182	-	-	-	0.005	-	-	-
38405	87	-	-	-	0.003	-	-	-
38406	159	-	-	-	0.005	-	-	-
38407	36	-	-	-	0.001	-	-	-
38538	58	-	-	-	0.002	-	-	-
38539	555	-	-	-	0.016	-	-	-
38540	38057	37029	-	-	1.110	1.080	-	-
38541	1137	-	-	-	0.033	-	-	-
38542	453	-	-	-	0.013	-	-	-
38543	196116	195087	34286	32263	5.720	5.690	1.000	0.941
38544	34012	35383	-	-	0.992	1.032	-	-
38545	291	-	-	-	0.008	-	-	-
38710	223	-	-	-	0.007	-	-	-
38711	106	-	-	-	0.003	-	-	-
38712	51	-	-	-	0.001	-	-	-
38713	43	-	-	-	0.001	-	-	-
38714	67	-	-	-	0.002	-	-	-
Blank	Nil	-	-	-	Nil	-	-	-
STD OxP18	3285	-	-	-	0.096	-	-	-

Certified by Denis Ahonta

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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Assaying - Consulting - Representation

Geochemical Analysis Certificate

4W-1758-RG1

Company KIRKLAND LAKE GOLD INC. Date AUG-17-04

Project

Attn M. Sutton

We hereby *certify* the following Geochemical Analysis of 25 Core samples submitted AUG-12-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
37849	447	-	0.013	-
37849	96	-	0.003	-
38266	45	-	0.001	-
38268	3	-	<0.001	-
38269	Nil	-	<0.001	-
38270	2	-	<0.001	-
38271	5	10	<0.001	<0.001
38272	3	-	<0.001	-
38273	2	-	<0.001	-
38274	7	-	<0.001	-
38275	Nil	-	<0.001	-
38276	24	24	<0.001	<0.001
38277	19	-	<0 001	-
38278	79	-	0.002	-
38279	5	-	<0.001	-
38280	132	-	0.004	-
38281	1409	1582	0.041	0.046
38282	309	-	0.009	-
38283	53	-	0.002	-
38284	29	-	<0.001	-
38285	29	-	<0.001	-
38286	41	36	0.001	0.001
38287	22	-	<0.001	-
38288	Nil	-	<0.001	-
38289	15	-	<0.001	-
Blank	2	-	<0.001	-
STD OxP18	3443	-	0.100	-

Certified by

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Geochemical Analysis Certificate

4W-1599-RG1

Company: **KIRKLAND LAKE GOLD**

Date: AUG-03-04

Project:

Attn: M. Sutton

We hereby certify the following Geochemical Analysis of 38 Core samples submitted JUL-26-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
38166	1817	-	0.053	-
38167	912	876	0.027	0.026
38168	41	-	0.001	-
38169	Nil	-	<0.001	-
38170	Nil	-	<0.001	-
38171	Nil	-	<0.001	-
38172	34	-	0.001	-
38173	46	-	0.001	-
Blank	Nil	-	<0.001	-
STD OxK18	3374	-	0.098	-

PRH-02

Certified by

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Geochemical Analysis Certificate

4W-1599-RG1

Company: **KIRKLAND LAKE GOLD**

Date: AUG-03-04

Project:

Attn: M. Sutton

We hereby certify the following Geochemical Analysis of 38 Core samples submitted JUL-26-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
30427	178	-	0.005	-
30428	828	-	0.024	-
30429	283	281	0.008	0.008
30430	53	-	0.002	-
30431	194	-	0.006	-
30432	573	-	0.017	-
30437	226	-	0.007	-
30438	14	-	<0.001	-
30439	1131	-	0.033	-
30440	1920	1920	0.056	0.056
30441	31	-	<0.001	-
30442	38	-	0.001	-
30443	65	-	0.002	-
30444	24	-	<0.001	-
30445	91	-	0.003	-
30446	31	-	<0.001	-
30447	39	39	0.001	0.001
30448	33	-	0.001	-
30449	Nil	-	<0.001	-
30450	15	-	<0.001	-
30451	21	-	<0.001	-
38157	15	-	<0.001	-
38158	7	-	<0.001	-
38159	19	-	<0.001	-
38160	Nil	-	<0.001	-
38161	86	-	0.003	-
38162	130	-	0.004	-
38163	24	-	<0.001	-
38164	1294	-	0.038	-
38165	2606	2640	0.076	0.077

6-04-01

RRH-02

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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Assaying - Consulting - Representation

4W-1611-RG1

Geochemical Analysis Certificate

Date: AUG-03-04

Company: **KIRKLAND LAKE GOLD INC.**
Project:
Attn: M. Sutton

We hereby certify the following Geochemical Analysis of 49 Core samples submitted JUL-27-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
38177	3	-	<0.001	-
38178	39	-	0.001	-
38179	63	43	0.002	0.001
38180	22	-	<0.001	-
38181	1886	2057	0.055	0.060
38182	Nil	-	<0.001	-
38183	19	-	<0.001	-
38184	12	-	<0.001	-
38185	2	-	<0.001	-
38186	Nil	-	<0.001	-
38187	Nil	-	<0.001	-
38188	7	-	<0.001	-
38189	1783	1646	0.052	0.048
38190	57	-	0.002	-
38191	15	-	<0.001	-
38192	12	-	<0.001	-
38193	Nil	-	<0.001	-
38194	3	-	<0.001	-
38195	48	-	0.001	-
38196	257	-	0.007	-
38197	24	-	<0.001	-
38198	70	-	0.002	-
38199	27	-	<0.001	-
Blank	Nil	-	<0.001	-
STD OxK18	3326	-	0.097	-

Certified by Dennis Charters

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Geochemical Analysis Certificate

4W-1657-RG1

Company **KIRKLAND LAKE GOLD INC.**

Date: AUG-09-04

Project

Attn. M. Sutton

We hereby certify the following Geochemical Analysis of 32 Core samples submitted JUL-30-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
38374	Nil	-	<0.001	-
38375	36	40	0.001	0.001
Blank	Nil	-	<0.001	-
STD OxK18	3387	-	0.099	-

Certified by Denis Chartrand

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Geochemical Analysis Certificate

4W-1657-RG1

Company: **KIRKLAND LAKE GOLD INC.**

Date: AUG-09-04

Project:

Attn: M. Sutton

We hereby certify the following Geochemical Analysis of 32 Core samples submitted JUL-30-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
7865	101	-	0.003	-
7866	101	-	0.003	-
7867	153	-	0.004	-
7868	154	-	0.004	-
38248	161	149	0.005	0.004
38249	Nil	-	<0.001	-
38250	159	-	0.005	-
38351	153	-	0.004	-
38352	226	-	0.007	-
38353	281	331	0.008	0.010
38354	21	-	<0.001	-
38355	201	-	0.006	-
38356	201	-	0.006	-
38357	312	-	0.009	-
38358	266	-	0.008	-
38359	480	447	0.014	0.013
38360	1323	1332	0.039	0.039
38361	639	-	0.019	-
38362	156	-	0.005	-
38363	1029	-	0.030	-
38364	267	-	0.008	-
38365	183	-	0.005	-
38366	166	-	0.005	-
38367	72	-	0.002	-
38368	218	-	0.006	-
38369	127	-	0.004	-
38370	21	-	<0.001	-
38371	211	-	0.006	-
38372	381	461	0.011	0.013
38373	230	-	0.007	-

02-402

PPH-11

PPH-11

Certified by Denis Charette

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Geochemical Analysis Certificate

4W-1697-RG1

Company **KIRKLAND LAKE GOLD INC.** Date: AUG-12-04

Project

Attn M. Sutton

We hereby certify the following Geochemical Analysis of 25 Core samples submitted AUG-05-04 by .

Sample Number		Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
38387		62	-	0.002	-
38388		7680	7611	0.224	0.222
38389		4046	4149	0.118	0.121
38390		38	-	0.001	-
38391		843	-	0.025	-
38392		329	-	0.010	-
38393		62	-	0.002	-
38394		221	-	0.006	-
38395		134	-	0.004	-
38396	PEH-06	202	233	0.006	0.007
38397		115	-	0.003	-
38398		81	-	0.002	-
38399		223	-	0.007	-
38400		118	-	0.003	-
38401		45	-	0.001	-
45152		27	-	<0.001	-
45153		2	-	<0.001	-
45154		483	-	0.014	-
45155		3	-	<0.001	-
45156		7	-	<0.001	-
45157		482	-	0.014	-
45158	D-04-30	13886	14263	0.405	0.416
45159		29	-	<0.001	-
45160		19	-	<0.001	-
45161		9	-	<0.001	-
Blank		Nil	-	<0.001	-
STD OxK18		3422	-	0.100	-

Certified by Denis Ahonty

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate

4W-1939-RG1

Company: **KIRKLAND LAKE GOLD INC.** Date: SEP-03-04

Project:

Attn. M. Sutton

We hereby certify the following Geochemical Analysis of 23 Core samples submitted AUG-07-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
120804	45	-	0.001	-
120805	Nil	-	<0.001	-
120806	154	-	0.004	-
120807	46	-	0.001	-
120808	96	-	0.003	-
120809	57	-	0.002	-
120810	175	-	0.005	-
120811	408	-	0.012	-
120812	5074	5040	0.148	0.147
120813	96	-	0.003	-
120814	821	-	0.024	-
120815	1246	-	0.036	-
120816	6240	5760	0.182	0.168
120817	713	-	0.021	-
120818	307	343	0.009	0.010
120819	1577	-	0.046	-
120820	2126	1920	0.062	0.056
120821	1440	-	0.042	-
121145	15	-	<0.001	-
121146	Nil	-	<0.001	-
121147	Nil	-	<0.001	-
121148	Nil	-	<0.001	-
121149	Nil	-	<0.001	-
Blank	Nil	-	<0.001	-
STD OxK18	3588	-	0.105	-

SS-418

PPH-03

n.s.

Certified by Denis Christy

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Geochemical Analysis Certificate

4W-2052-RG1

Company: **KIRKLAND LAKE GOLD INC.**

Date: SEP-15-04

Project:

Attn: M. Sutton

We hereby certify the following Geochemical Analysis of 52 Core samples submitted SEP-09-04 by .

Sample Number	Au PPB	Au Check PPB	Au oz/ton	Au Check oz/ton
38255	Nil	-	<0.001	-
38256	Nil	-	<0.001	-
38257	10	-	<0.001	-
38258	122	-	0.004	-
38259	543	540	0.016	0.016
38260	70	-	0.002	-
38261	62	-	0.002	-
38262	Nil	-	<0.001	-
38263	60	-	0.002	-
38264	142	-	0.004	-
38265	Nil	-	<0.001	-
38266	21	-	<0.001	-
38465	886	837	0.026	0.024
38466	501	-	0.015	-
38476	26	-	<0.001	-
38477	Nil	-	<0.001	-
38591	74	-	0.002	-
38592	31	-	<0.001	-
38593	5	-	<0.001	-
38594	741	-	0.022	-
38595	Nil	-	<0.001	-
38596	58	-	0.002	-
38597	Nil	-	<0.001	-
38598	27	-	<0.001	-
38599	53	-	0.002	-
38600	15	-	<0.001	-
38715	3	-	<0.001	-
38716	98	-	0.003	-
38717	79	-	0.002	-
38718	955	969	0.028	0.028

PPH-10

45-864B

45-864B

KM-04-23C

04-04-22

Certified by Denis Chartrand

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

18700 SECT | 18900 SECT | 19100 SECT | 19300 SECT | 19500 SECT | 19700 SECT | 19900 SECT | 20100 SECT | 20300 SECT | 20500 SECT | 20700 SECT | 20900 SECT | 21100 SECT | 21300 SECT | 21500 SECT | 21700 SECT | 21900 SECT | 22100 SECT | 22300 SECT

1600 REF
1400 REF
1200 REF
1000 REF
800 REF
600 REF
400 REF
200 REF
00 REF
-200 REF
-400 REF
-600 REF
-800 REF
-1000 REF
-1200 REF
-1400 REF

1248775
3009328
1248786
L-2450
3009328
KIRKLAND LAKE GOLD INC
L-2378
L-2445
L-2257
L-2450
L-2430
L-2459
L-2257
L-2452
L-2459
L-2677

ASTRONOMIC NORTH

POND

#1 SHAFT

Trail To Highway 66 (2,400')

OX93-6
OX93-7
OX93-8
OX93-1
OX93-9
OX93-10
OX93-5
OX93-4

PPH-11
Az. 326°
Dip -90°
Length: 836 Ft.

PPH-10
Az. 030°
Dip -45°
Length: 606 Ft.

PPH-12
Az. 300°
Dip -45°
Length: 406 Ft.

PPH-13
Az. 300°
Dip -45°
Length: 426 Ft.

PPH-14
Az. 300°
Dip -45°
Length: 406 Ft.

PPH-15
Az. 360°
Dip -90°
Length: 1,276 Ft.

PPH-16
Az. 340°
Dip -90°
Length: 506 Ft.

PPH-17
Az. 330°
Dip -90°
Length: 404 Ft.

PPH-4
Az. 330°
Dip -90°
Length: 296 Ft.

PPH-7
Az. 340°
Dip -45°
Length: 386 Ft.

PPH-8
Az. 340°
Dip -45°
Length: 550 Ft.

PPH-9
Az. 340°
Dip -45°
Length: 546 Ft.

PPH-3
Az. 330°
Dip -90°
Length: 694 Ft.

PPH-2
Az. 326°
Dip -90°
Length: 506 Ft.

PPH-1
Az. 340°
Dip -90°
Length: 411 Ft.

PPH-18
Az. 360°
Dip -90°
Length: 1,401 Ft.

PPH-19
Az. 360°
Dip -90°
Length: 456 Ft.

KIRKLAND LAKE GOLD

2.29524

CONTINENTAL PROJECT

DRILL HOLE LOCATION PLAN

LEBEL TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.

50 0 50 100 150 200 Feet

SCALE 1:100

LEGEND

DATE	7 MAR 05	DRAWN		DESIGNED	
DWG No. 1		DATAMINE		CHECKED	
				APPROVED	

S. Carmichael Manitou

19800 E | 19900 E | 20000 E | 20100 E | 20200 E | 20300 E | 20400 E | 20500 E | 20600 E | 20700 E | 20800 E

DRILL HOLE SECTION 4+00S
SECTION LOOKING 328°
CLAIM 2450/2257

0 EL

CAS

Qvng @ 55

−100 EL

100

QV @ 25

Ct @ 22

Ct @ 28

Qvts @ 40

−200 EL

FLP

200

Qvng @ 40

−300 EL

300

−400 EL

0.03 Slip @ 35

0.05 QV – Post Vein?

400

L

End Of Hole

465.0

PPH – 18

−500 EL

−600 EL

−700 EL

−800 EL

2.29524

KIRKLAND LAKE GOLD

CONTINENTAL PROJECT

DRILL HOLE SECTION 4+00S
SECTION LOOKING 328°

LEBEL TOWNSHIP

DISTRICT OF TIMISKAMING, ONT.

25 0 25 50 75 100 Feet

SCALE 1:50

DATE	7 MAR 05	DRAWN		DESIGNED	
				CHECKED	
DWG No. 2		DATAMINE		APPROVED	

S. Carmichael

LEGEND

TIMISKAMING SEDIMENTS

CNG	CONGLOMERATE
GRY	GREYWACKE
TFF	TUFF

INTRUSIVES

L	BASIC SYENITE
FLP	FELDSPAR PORPHYRY
BMP	BI-MODAL FELDSPAR PORPHYRY

DRILL HOLE SECTION 2+00S
SECTION LOOKING 328°
CLAIM 2450, 2257

19800 E | 19900 E | 20000 E | 20100 E | 20200 E | 20300 E | 20400 E | 20500 E | 20600 E | 20700 E | 20800 E | 20900 E

0 EL

CAS

CAS | Slp @ 50

CAS | Slp @ 30 | Slp @ 50 | Slp @ 40

CASE | Chl Slp @ 25 | 1/4" Q Vn @ 60 | Q Sta @ 33 | Q Strs @ 65 | Chl FLT @ 45 | Chl FLT @ 50 | Chl FLT @ 10

−100 EL

100

100 | Slp @ 40

Slp @ 40 | Slp @ 45

Slp Py @ 40 | .4" QV @ 50

Chl FLT @ 55 | Chl FLT @ 10 | 1/4" QV @ 10 Cpy | Q Strs @ 10 Ccp | Chl Slp @ 30 | 1/4" Q Vn @ 10 Py Ccp | 4" QV @ 25 Py Ccp | Q Vn @ 35 Py | Py @ 5 | Strs @ 40 Sll | Q Vn @ 35 Ccp | Vns @ 30 | Vns @ 27 | Vnlt Cpy | Vns @ 50 Ccp | Vns @ 40 | Ccp | Chl Slp @ 40 | Chl Slp @ 40 Ccp | Vns @ 25 Ccp | Q Sta @ 30 Ccp

−200 EL

Flt @ 15

200

200

−300 EL

L

Slp @ 45 | Slp @ 5

300

.3" QV @ 50 | Slp @ 30 | .3" Q Crb V @ 35 | 1.3" Q Crb V Bx @ 50 | Flt @ 50 | Slp @ 30 | .3" Q Crb V @ 50 | Flt @ 50 | Flt @ 50 | Post Vein

Q Vn @ 65 Py Ccp | Q Vn @ 20 Ccp | Vns @ 20 | Slp @ 10 | 1/2 Anh Vn @ 30

300

Chl FLT @ 80 | Chl FLT @ 80

−400 EL

Ct @ 43

FLP

Ct @ 18

400

L

FLP

Ct @ 55

Slp @ 50

400

4" Q Crb V @ 35 | 4" Q Crb V @ 40

0.06 Post Vein | Py @ 20

Slp @ 50 | Slp @ 30

Chl Sl V @ 65 | 1/8" Q Py @ 65 Ccp | 2x1" Q Vns @ 45 Ccp

400

Chl Slp @ 25 | Slp @ 15 | End Of Hole

411.0
PPH − 1

−500 EL

L

Ct @ 25

BMP

Ct @ 65

500

0.05

Slp @ 15

500

Slp @ 40

End Of Hole

506.0
PPH − 2

−600 EL

600

Slp @ 25

600

Slp @ 20

4" Q Crb V @ 50

−700 EL

700

End Of Hole

694.0
PPH − 3

−800 EL

TFF

−900 EL

L

0.05 | 0.05 | Q Cvng @ 40

−1000 EL

QV @ 43 − Post Vein?

Fln @ 45

1000

−1100 EL

py

QC @ 50

1100

−1200 EL

−1300 EL

−1400 EL

−1500 EL

KIRKLAND LAKE GOLD

CONTINENTAL PROJECT

1401.0
PPH − 16 End Of Hole

DRILL HOLE SECTION 2+00S
SECTION LOOKING 328°

LEBEL TOWNSHIP

DISTRICT OF TIMISKAMING, ONT.

25 0 25 50 75 100 Feet

SCALE 1:50

DATE	7 MAR 05	DRAWN		DESIGNED	
				CHECKED	
DWG No. 3		DATAMINE		APPROVED	

LEGEND

TIMISKAMING SEDIMENTS

CNG	CONGLOMERATE
GRY	GREYWACKE
TFF	TUFF

INTRUSIVES

L	BASIC SYENITE
FLP	FELDSPAR PORPHYRY
BMP	BI−MODAL FELDSPAR PORPHYRY

2.29524

S. Carmichael March 05

19800 E | 19900 E | 20000 E | 20100 E | 20200 E | 20300 E | 20400 E | 20500 E | 20600 E | 20700 E | 20800 E | 20900 E

DRILL HOLE SECTION 0+00
SECTION LOOKING 328°
CLAIM 2450

0 EL

CAS

100

-100 EL

-200 EL

-300 EL

ct @ 50

BP

400
ct @ 50

-400 EL

CNG

ct @ 50

TFF

473.5
PPH - 15

-500 EL

L

305 @ 15-30
355 @ 0-30
405 @ 15-30

600

Th Bx @ 43

Th Bx @ 48

Th Bx @ 43

1000

End Of Hole
1095.0
CK-33.8

-600 EL

-700 EL

-800 EL

19800 E | 19900 E | 20000 E | 20100 E | 20200 E | 20300 E | 20400 E | 20500 E | 20600 E | 20700 E | 20800 E | 20900 E

KIRKLAND LAKE GOLD

CONTINENTAL PROJECT

DRILL HOLE SECTION 0+00
SECTION LOOKING 328°

LEBEL TOWNSHIP

DISTRICT OF TIMISKAMING, ONT.

25 0 25 50 75 100 Feet

SCALE 1:50

DATE	7 MAR 05	DRAWN		DESIGNED	
DWG No. 4		DATAMINE		CHECKED	
				APPROVED	

S. Carmichael Maddocks

LEGEND

TIMISKAMING SEDIMENTS

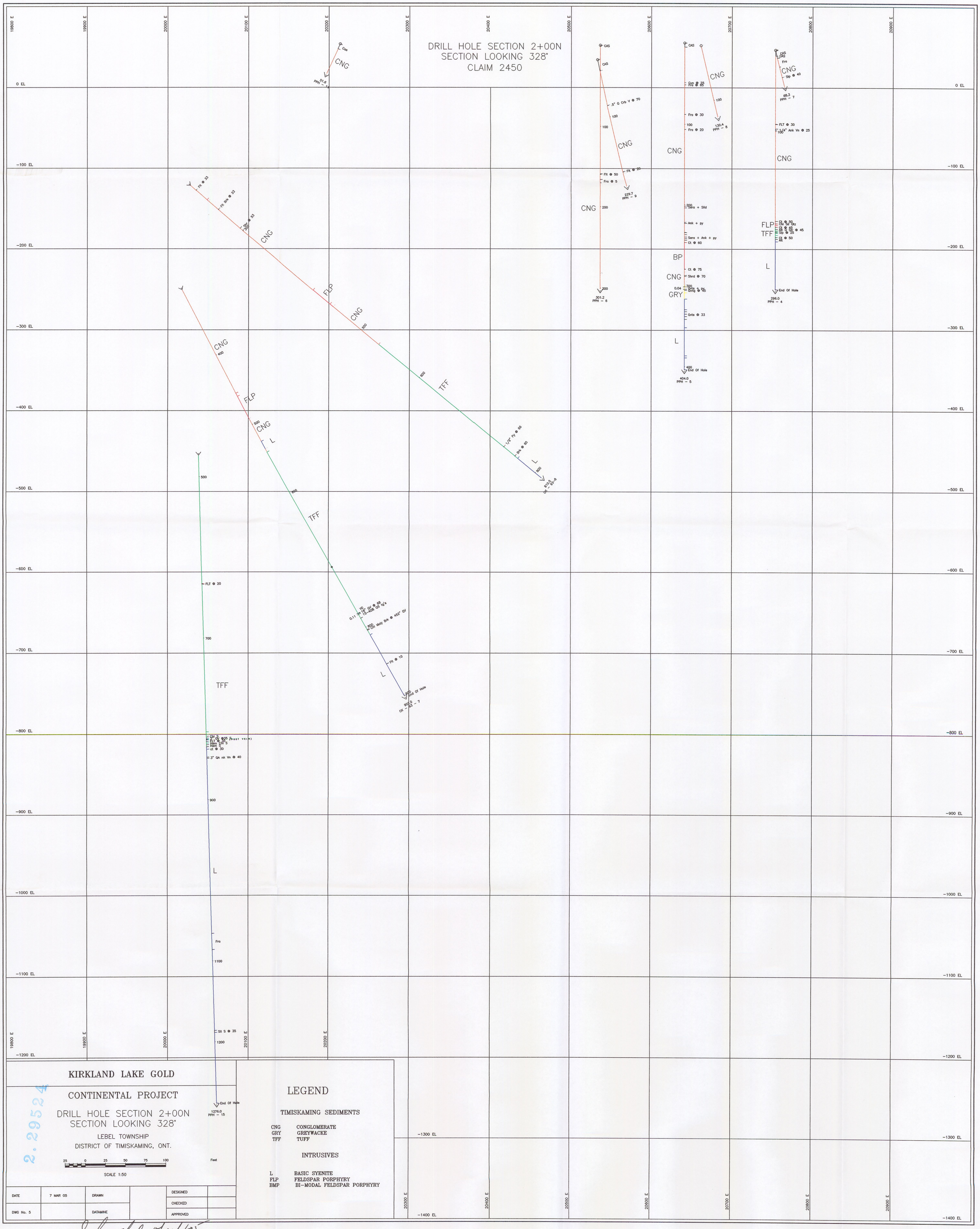
CNG	CONGLOMERATE
GRY	GREYWACKE
TFF	TUFF

INTRUSIVES

L	BASIC SYENITE
FLP	FELDSPAR PORPHYRY
BMP	BI-MODAL FELDSPAR PORPHYRY

2.29524

DRILL HOLE SECTION 2+00N
SECTION LOOKING 328°
CLAIM 2450



KIRKLAND LAKE GOLD

CONTINENTAL PROJECT

DRILL HOLE SECTION 2+00N
SECTION LOOKING 328°

LEBEL TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.

25 0 25 50 75 100 Feet

SCALE 1:50

DATE	7 MAR 05	DRAWN		DESIGNED	
DWG No. 5		DATAMINE		CHECKED	
				APPROVED	

2.29524

LEGEND

TIMISKAMING SEDIMENTS

CNG	CONGLOMERATE
GRY	GREYWACKE
TFF	TUFF

INTRUSIVES

L	BASIC SYENITE
FLP	FELDSPAR PORPHYRY
BMP	BI-MODAL FELDSPAR PORPHYRY

S. Carmichael March 05

DRILL HOLE SECTION 4+00N
SECTION LOOKING 328°
CLAIM 2450

19800 E | 19900 E | 20000 E | 20100 E | 20200 E | 20300 E | 20400 E | 20500 E | 20600 E | 20700 E | 20800 E | 20900 E

0 EL
−100 EL
−200 EL
−300 EL
−400 EL
−500 EL
−600 EL
−700 EL
−800 EL
−900 EL
−1000 EL
−1100 EL
−1200 EL
−1300 EL
−1400 EL
−1500 EL

CAS
CNG
FLP
TFF
GRY
L
BMP

Flt @ 46
Flt @ 28
Flt @ 23
1.5" Q V Bx @ 63
Brk @ 60
Flt @ 57
CK – 93 – 7
Flt Moly @ 17
Flt Bx @ 53
Flt Brx @ 28
Bl @ 65
Flt @ 28
CK – 93 – 14
Chl Bl
Bl Shr @ 40
Flt @ 30
Moly @ 17
Qtz @ 55
Shr Py @ 90
Cpy @ 5
Slip @ 20
Flt @ 50
.7" Q Crb V @ 60
Shr @ 37
Ser @ 40
Fro
Hem s @ 60
Slip
Ct @ 35
Ank QV @ 55 S
FLT @ 30
Ct @ 50
Chl FLT @ 38
Ser Chl Py
Ct @ 40
Ct @ 50
Ctrr
Grd Qtz
1.3" Q Crb V @ 65
0.03
Post Vein @ 35
QV Py Cpy @ 70
0.02
1" Q Crb V @ 80
Crb V @ 80
0.22
0.13
0.03
Post Vein
End Of Hole
506.0
PPH – 6
Flt @ 15
Bx @ 55
Cpy Gal
Flt @ 43
Fro Qtz VG @ 20
1" QVVG @ 20
Flt Myl @ 30
End Of Hole
836.0
PPH – 11
Flt @ 17
Bl Sil @ 65–80
Myl @ 60
Fro Crb @ 40
Shr @ 45
4" Q Crb V @ 45
2.7" Q Crb V @ 85
1.5" Q Crb V @ 35
2" Q Crb V @ 5
Post Vein @ 50
Shr Myl @ 10 (VG)?
1" QV @ 035 VG Cpy
VG Cpy Gal
Flt @ 67
Bx @ 67
Shr @ 45
4" Q Crb V @ 45
Shr Py @ 33
Flt @ 18
1" QN Moly Slp @ 18
Flt @ 33
Flt @ 28
Flt Myl @ 30
QN Brk @ 10
CK 1570.9
CK – 93 – 1

KIRKLAND LAKE GOLD

CONTINENTAL PROJECT

DRILL HOLE SECTION 4+00N
SECTION LOOKING 328°

LEBEL TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.

25 0 25 50 75 100 Feet

SCALE 1:50

2.29524

DATE	7 MAR 05	DRAWN		DESIGNED	
				CHECKED	
DWG No. 6		DATAMINE		APPROVED	

LEGEND

TIMISKAMING SEDIMENTS

CNG	CONGLOMERATE
GRY	GREYWACKE
TFF	TUFF

INTRUSIVES

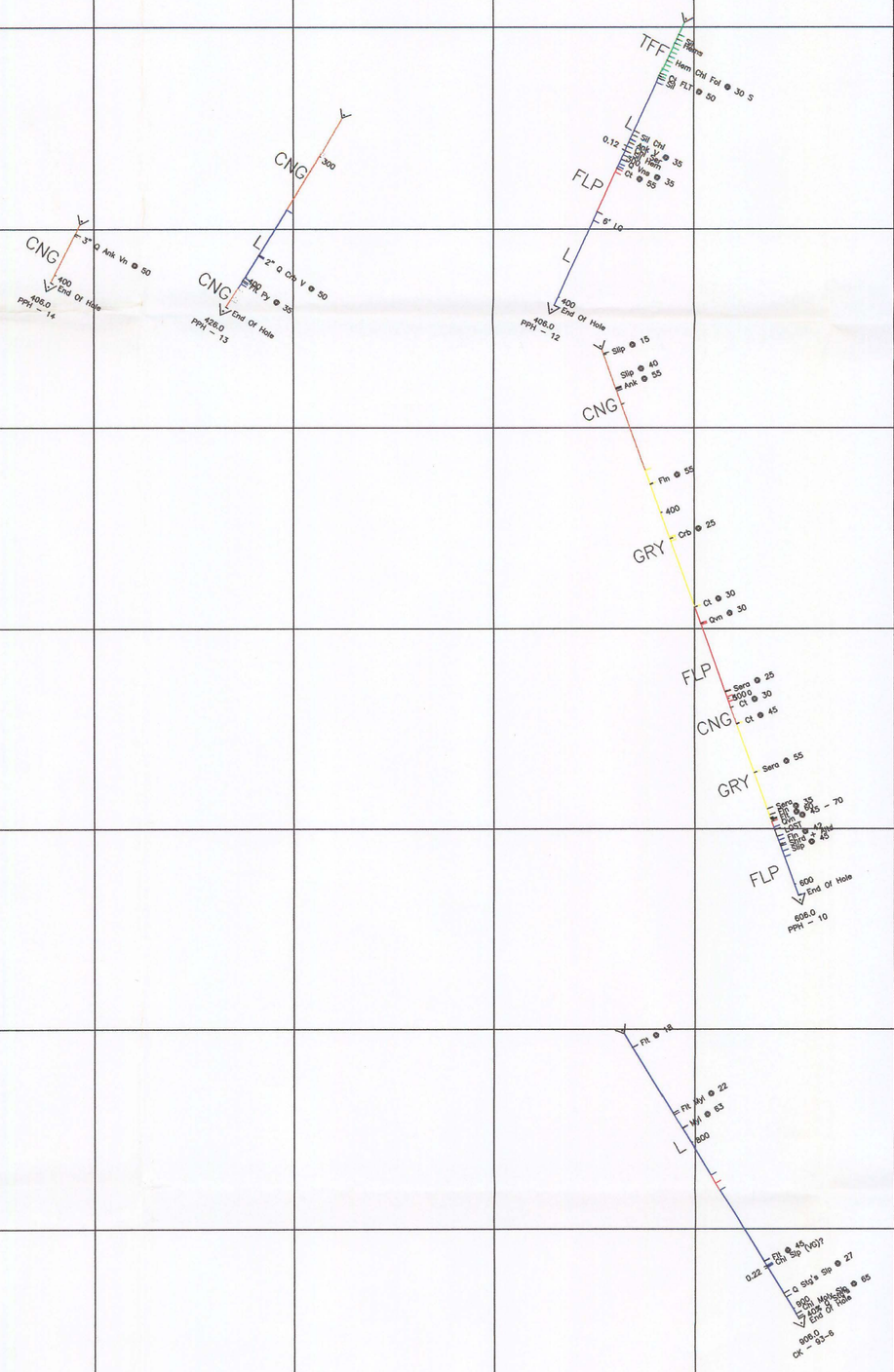
L	BASIC SYENITE
FLP	FELDSPAR PORPHYRY
BMP	BI–MODAL FELDSPAR PORPHYRY

S. Carmichael

DRILL HOLE SECTION 6+00N
SECTION LOOKING 328°
CLAIM 2450

19800 E | 19900 E | 20000 E | 20100 E | 20200 E | 20300 E | 20400 E | 20500 E | 20600 E | 20700 E | 20800 E | 20900 E

0 EL
−100 EL
−200 EL
−300 EL
−400 EL
−500 EL
−600 EL
−700 EL
−800 EL
−900 EL
−1000 EL
−1100 EL
−1200 EL
−1300 EL
−1400 EL
−1500 EL



KIRKLAND LAKE GOLD

CONTINENTAL PROJECT

DRILL HOLE SECTION 6+00N
SECTION LOOKING 328°

LEBEL TOWNSHIP

DISTRICT OF TIMISKAMING, ONT.

25 0 25 50 75 100 Feet

SCALE 1:50

2.29524

DATE	7 MAR 05	DRAWN		DESIGNED	
DWG No. 7		DATAMINE		CHECKED	
				APPROVED	

LEGEND

TIMISKAMING SEDIMENTS

CNG	CONGLOMERATE
GRY	GREYWACKE
TFF	TUFF

INTRUSIVES

L	BASIC SYENITE
FLP	FELDSPAR PORPHYRY
BMP	BI–MODAL FELDSPAR PORPHYRY

S. Carmichael March 05