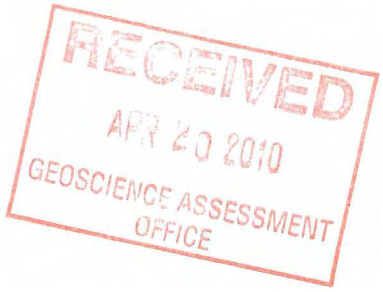
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REPORT ON DIAMOND DRILLING
MACASSA MINE
TECK TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.
BY KIRKLAND LAKE GOLD INC.



S. J. Carmichael
Kirkland Lake Gold Inc.

April 22, 2010

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REPORT ON DIAMOND DRILLING
MACASSA MINE
TECK TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.
BY KIRKLAND LAKE GOLD INC.

Introduction

The following report describes a 14 hole (22,207 feet) diamond drilling program completed between August 2009 and March, 2010. All drill holes were completed from the Macassa 4500 foot level, #1 winze station, to test the `05/Narrows Break north of the Main Break.
The drilling was completed by Cabo Diamond Drilling with logging completed by Kirkland Lake Gold geologists and assaying by Swastika Laboratories. All core is stored on pallets at the Macassa #3 shaft site.

Property Location and Access

The area tested forms part of the main patented claims held by Kirkland Lake Gold Inc. Drilling was performed on two patented mining claims and one lease, all part of the Macassa mine property. Access to the drill area is by the Macassa property, #3 shaft access road, and then down to the -4500 level and east to the -4500 level #1 winze station, approximately 5,000' east of the main production shaft #3 and 840' east of Macassa #2 shaft. The following report will be used to apply assessment credits to the staked portion of the Kirkland Lake Gold Inc. property as well as exploration obligations on mining lease #107737.



PLAN SHOWING LOCATION OF KIRKLAND LAKE, ONTARIO, CANADA AND MAJOR NORTHEASTERN CITIES



#3 Shaft, Macassa Mine

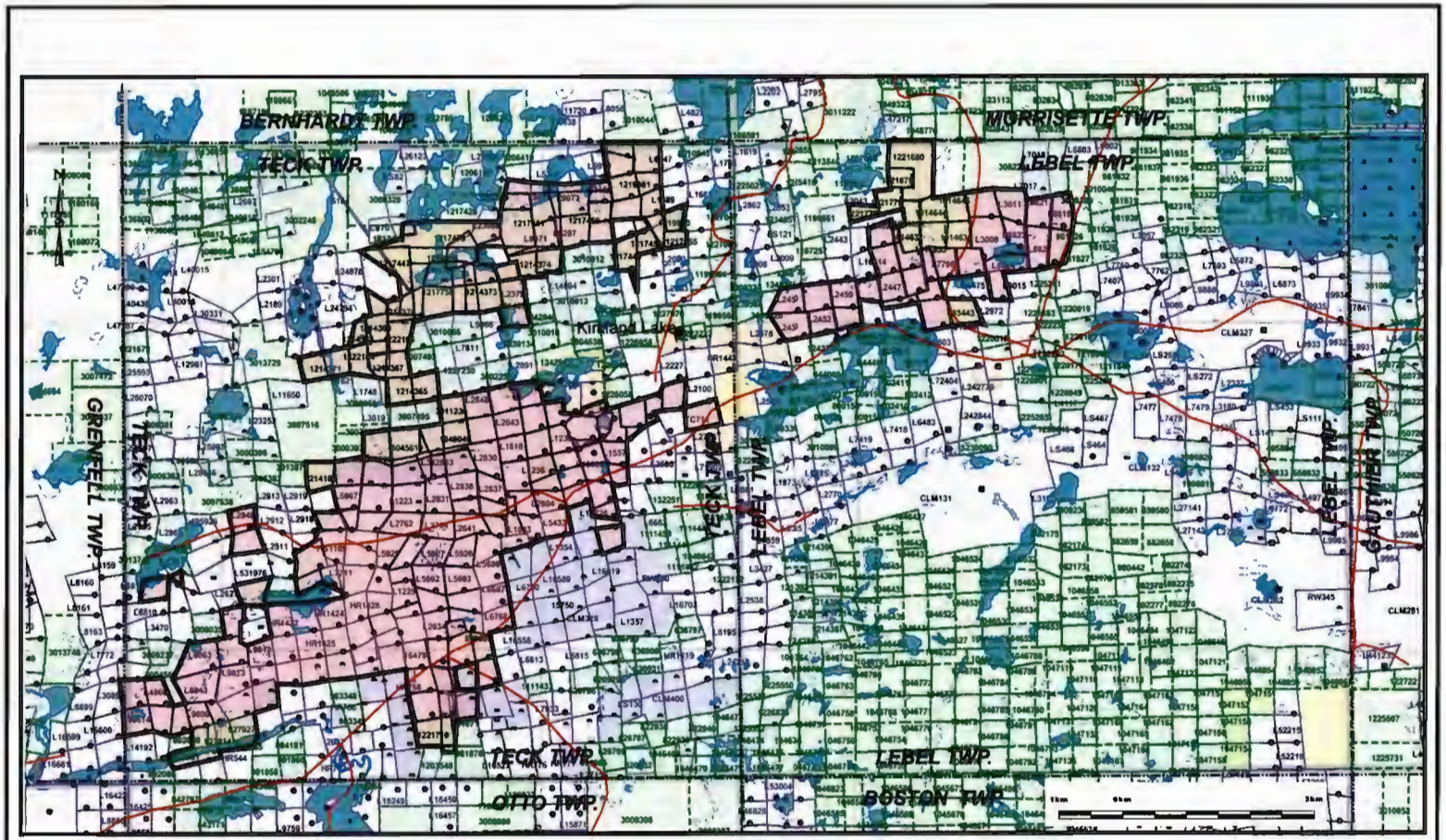
Land Tenure and Ownership

The Kirkland Lake Gold Inc. property comprises 174 patented claims covering 7892 acres, 5 Crown Leases covering 544 acres and 45 staked claims. All of the above are located in Teck and Lebel Townships. 36 of the staked claims are located in Teck Township and are contiguous with the patented claim group. The drill program detailed in this report covered patented mining claims P-2837 (16.4 Ha), P-2838 (18.5 Ha) and lease # 107737 (100.5 Ha).

The staked claims, most of which are located north of the Macassa property in Teck Township, comprises 36 staked contiguous mining claims (69 unites) with a total area of approximately 1,000 hectares or 2760 acres. All claims are registered to Kirkland Lake Gold Inc. and are in good standing. The claims include:

CLAIM NO.	UNITS	DATE STAKED	APPLIED	BANK	DUE DATE
1045619	1	Aug. 11, 1988	8,800	0	$400 by Aug. 11, 2011
1045623	1	Oct. 7, 1988	8,800	0	$400 by Oct. 7, 2011
1049049	1	Oct. 28, 1988	8,800	0	$400 by Oct. 28, 2011
1213913	1	March 20, 1996	5,200	0	$400 by March 20, 2011

CLAIM NO.	UNITS	DATE STAKED	APPLIED	BANK	DUE DATE
1213914	3	June 13, 1996	15,600	0	$1,200 by June 13, 2011
1214100	1	Oct. 4, 1996	5,200	1,258	$400 by Oct. 4, 2011
1214365	2	June 13, 1996	10,400	2,428	$800 by June 13, 2011
1214366	1	June 13, 1996	4,800	0	$400 by June 13, 2010
1214367	2	June 13, 1996	10,400	0	$800 by June 13, 2011
1214368	1	June 13, 1996	5,200	0	$400 by June 13, 2011
1214369	3	June 13, 1996	15,600	0	$1200 by June 13, 2011
1214370	1	June 17, 1996	5,200	0	$400 by June 17, 2011
1214371	2	June 13, 1996	10,400	0	$800 by June 13, 2011
1214372	2	June 13, 1996	10,400	1,718	$800 by June 13, 2011
1214373	4	June 13, 1996	20,800	0	$1600 by June 13, 2011
1214374	2	June 13, 1996	10,400	2,388	$800 by June 13, 2011
1217446	1	June 13, 1996	5,200	239	$400 by June 13, 2011
1217447	3	June 13, 1996	15,600	0	$1200 by June 13, 2011
1217448	2	June 13, 1996	11,200	1,663	$800 by June 13, 2012
1217450	4	Aug. 1, 1996	20,800	0	$1600 by Aug. 1, 2011
1217451	4	Aug. 1, 1996	20,800	62	$1600 by Aug. 1, 2011
1217452	1	July 18, 1996	5,200	1,199	$400 by July 18, 2011
1217455	1	July 18, 1996	5,200	1,599	$400 by July 18, 2011
1217479	4	Aug. 1, 1996	20,800	1,065	$1600 by Aug. 1, 2011
1217759	4	Oct. 4, 1996	22,400	0	$1600 by Oct. 4, 2012
1219980	1	Oct. 4, 1996	5,200	1,199	$400 by Dec. 12, 2011
1219981	6	Dec. 12, 1996	31,200	5,500	$2400 by Dec. 12, 2011
1221710	2	Dec. 30, 1996	10,400	0	$800 by Dec. 30, 2011
1222104	1	May 5, 1997	4,800	0	$400 by May 5, 2011
1222105	1	May 5, 1997	5,200	394	$400 by May 5, 2012
3011230	1	June 17, 2003	2,800	0	$400 by June 17, 2012
4210208	1	June 1, 2006	2,000	0	$400 by June 1, 2013
4240384	1	June 4, 2008	2,000	0	$400 by June 4, 2015
4245807	1	Oct. 16, 2008	400	0	$400 by Oct. 16, 2010
859695	1	Nov. 7, 1985	10,000	0	$400 by Nov. 7, 2011
983045	1	Dec. 16, 1987	9,200	6,788	$400 by Dec. 16, 2011



PLAN SHOWING PROPERTY BOUNDARIES
KIRKLAND LAKE GOLD INC - KIRKLAND LAKE OPERATIONS
TOWNSHIPS OF TECK AND LEBEL
DISTRICT OF TIMISKAMING
PROVINCE OF ONTARIO

KIRKLAND LAKE GOLD INC.

Regional Geology

The Kirkland Lake mining camp is located in the west portion of the Archean Abitibi greenstone belt of the Abitibi Subprovince. The Timiskaming Group of rocks is the main feature of the Kirkland Lake area. It is up to 10,500 feet thick and extends for about 40 miles from Kenogami Lake in the west to the Quebec border in the east. In the Kirkland Lake area, the Timiskaming is predominantly comprised of conglomerates, greywackes, trachytic lava flows and alkalic tuffs. The Timiskaming trends N65^0 E and dips steeply south in the Kirkland Lake area. The Timiskaming sediments are intruded by strike parallel to shallow discordant augite syenite, feldspar porphyry and minor late diabase dykes. The intrusives tend to be steeper dipping than the sediments. Mineralization is known to occur in both the sediments and intrusives, though the syenites are the preferential host.

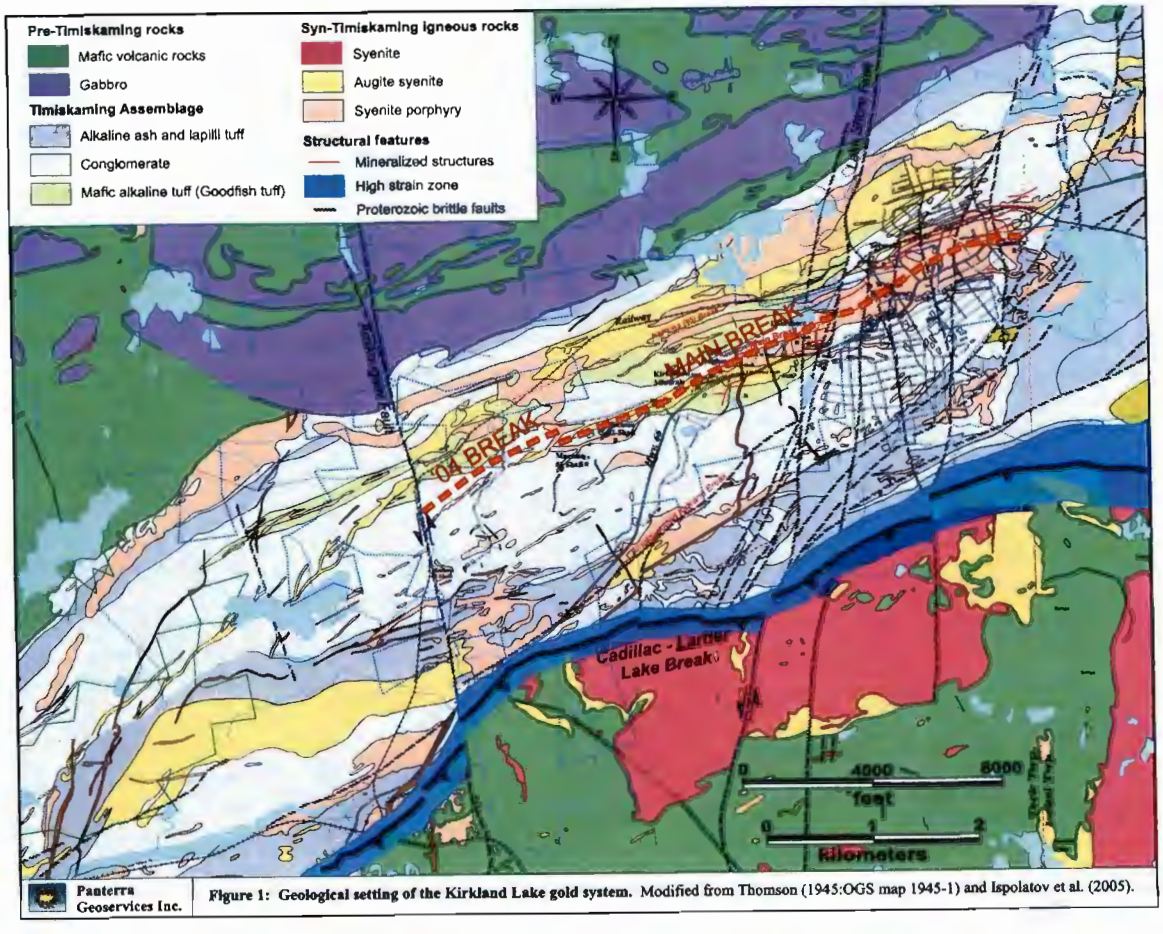


Figure 1: Geological setting of the Kirkland Lake gold system. Modified from Thomson (1945:OGS map 1945-1) and Ispolatov et al. (2005).

FIGURE 3 - REGIONAL GEOLOGY

Exploration History

The Narrows Break lies approximately 1,800-2,000' north of the Main Break and has been trace over a strike length of at least 13,000 feet from the Macassa (where it is termed the `05 Break, 1,400' north of the `04 Break) property on the west to the Toburn property on the east and has been found from surface to at least the -7000 foot level at the Macassa mine where the Narrows Break has been termed the `05 Break. It is offset at the -1,500' level by the north dipping #1 Thrust Fault, south side down 500 to 600 feet.

Underground exploration on the structure includes the former Wright Hargreaves, Lakshore, Teck Hughes and Macassa properties. The North "A" vein of Sylvanite and the No. 9 vein of Wright Hargreaves have been identified as the Narrows Break by Thomson (1950).

Early diamond drilling is poorly recorded and drill logs or assays are not available for most holes. Underground sampling on the 3075 foot level of Lakeshore (3053 Dr W) indicates potentially economic gold mineralization with the best being the #4 shoot with an indicated grade of 0.47 opt Au over a width of 4.7 feet and a distance of 114 feet.

In the late 1980's Teck Corporation and Newfields Minerals Inc. completed a total of 135 diamond drill holes and 175 feet of drifting on the Narrows Break on the former Teck Hughes property. Underground exploration yielded generally disappointing results.

Lac Minerals undertook surface diamond drilling programs in both 1988 and again in 1992 to evaluate the near surface potential of the Narrows Break on Macassa ground.

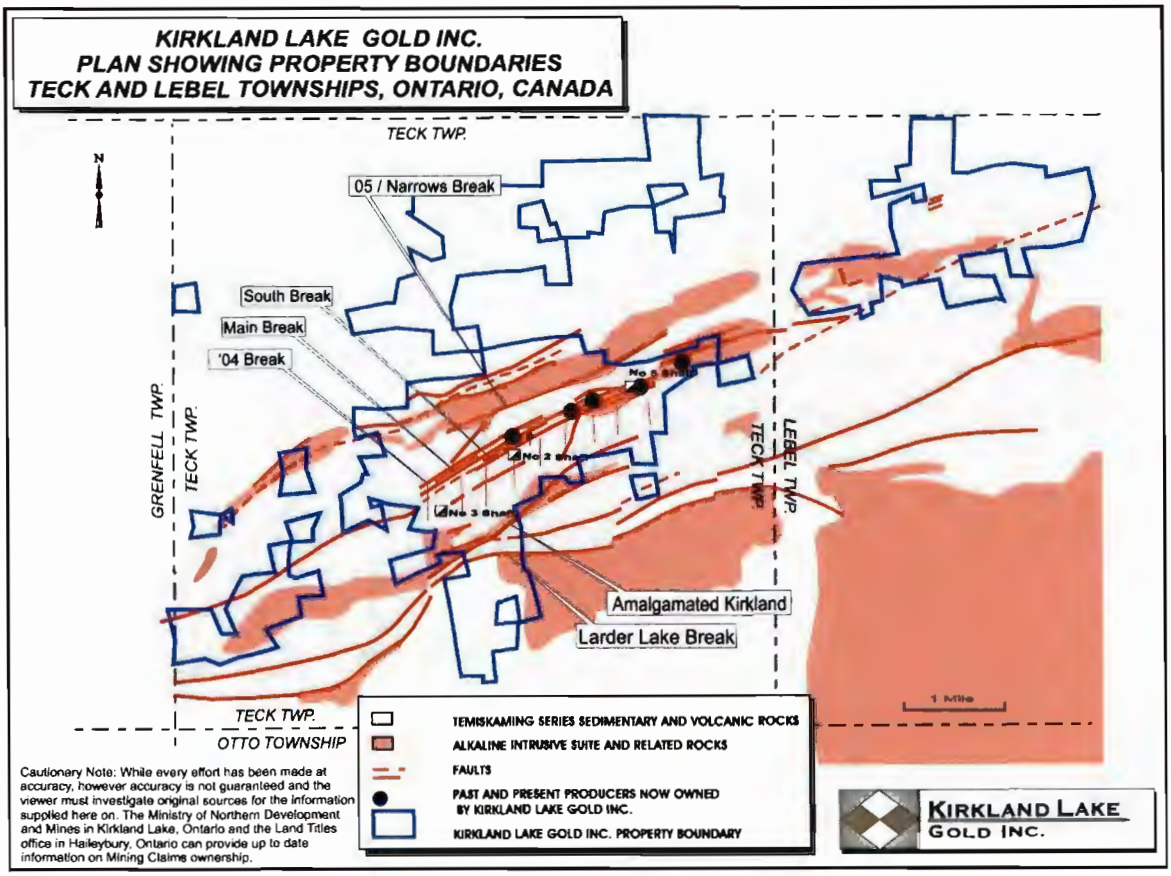


FIGURE 4 – PROPERTY GEOLOGY

Mineralization

The Narrows Break at Macassa is hosted consistently within a broad augite syenite body locally termed basic syenite. The Narrows Break is generally a steep south-dipping zone of ductile chlorite shearing rather than the typical Break structures found throughout the Kirkland Lake camp. Quartz veining is generally patchy and a minor constituent. There is a correlation between gold grade and pyrite content; up to 10% pyrite over narrow intervals is indicative of higher gold tenure, especially when accompanied with weak silicification. Visible gold is rare, as are tellurides and molybdenite.

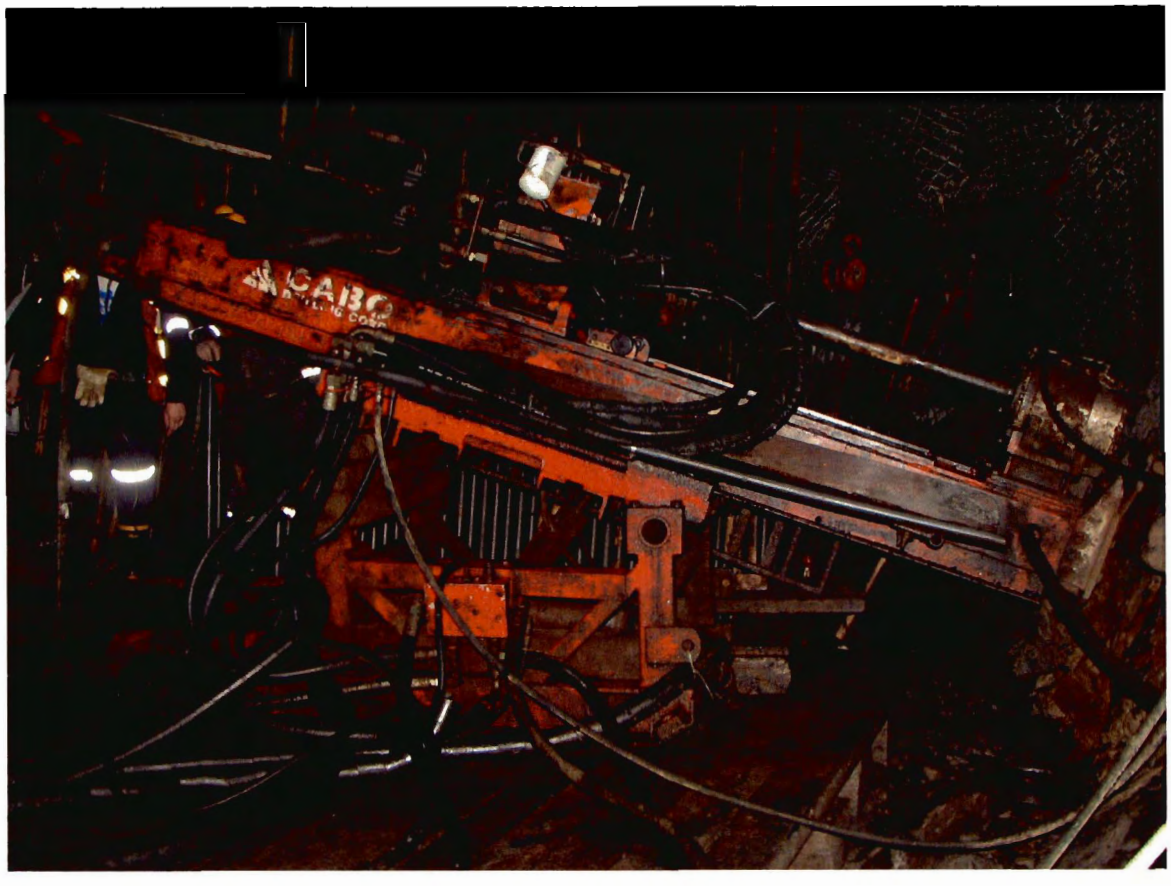
2009/2010 Diamond Drilling Summary

All 14 BQ size diamond drill holes were collared from the #1 winze station, - 4500 foot level at the Macassa mine. One of the drill holes was extended onto claim 342832 which forms part of lease #107737. Down-hole surveys by Reflex instruments were taken at 200 foot intervals to determine the azimuth and dip of each drill hole.

All core was logged at the Macassa #3 Shaft core shack. Samples for assay testing were split at Swastika laboratories with the remaining half of the core retained for future reference. All core is stored at the Macassa #3 Shaft storage facility. The drill holes are summarized as follows:

DRILL HOLE	CLAIM	NORTHING	EASTING	LEVEL	AZIMUTH	DIP	LENGTH
45-1207	P-2837	1+67N	16+30E	-4491	312	+21	1,500'
45-1208	P-2837	1+62N	16+30E	-4490	334	+35	1,704'
45-1209	P-2837	1+62N	16+30E	-4491	328	+29	1,500'
45-1210	P-2837	1+62N	16+30E	-4490	312	+34	1,600'
45-1211	P-2837	1+62N	16+30E	-4489	322.5	+41	1,715'
45-1212	P-2837	1+62N	16+30E	-4491	305	+13	1,500'
45-1213	P-2837	1+62N	16+30E	-4491	302	+19	1,600'
45-1214	P-2837	1+62N	16+30E	-4493	292	-9	1,600'
45-1215	P-2837	1+62N	16+30E	-4491	286	-16	1,607'
45-1216	P-2837	1+62N	16+30E	-4491	316.5	+28	1,511'
45-1233	P-2837	1+62N	16+30E	-4494	315	0	300'
45-1233A	P-2837*	1+62N	16+30E	-4494	312	0	3,000'
45-1234	P-2837	1+62N	16+30E	-4491	304	+32	1,500'
45-1235	P-2837	1+67N	16+30E	-4491	337	+29	1,570'
							22,207'

Drill 45-1233A was drilled on Lease #107737 from 1,810' to 3,000'.



B-20 Electric Drill, 4500 level, #1 Winze

Summary of Results

The main lithologies intersected include a coarse-grained trachyte flow or sill followed by localized lenses of alkalic tuff. The main intrusive intersected is augite syenite (basic syenite) with lesser porphyry dykes. Further to the north, as intersected in drill hole 45-1233A, the north Timiskaming sediments comprising greywackes, conglomerates and mudstones were intersected as well. Drill hole 45-1233A intersected calc-alkalic volcanics, possibly representing the north boundary of the Timiskaming Group and the older Kinojevis Group. Although the Narrows/`05 Zone was intersected in every hole, the assays were low and of sub-economic values. Visible gold was observed in drill hole 45-1210 at 1,241' but assayed a low 0.131 opt over 1.3' of core.

Hole No.	Zone	Intersection	Grade (opt)
45-1207	Narrows	1,140.5 – 1148.6' Incl. (1,147.5-1,148.6')	0.15/8.1' 0.57/1.1'
45-1208	Narrows	1,208.4 – 1,209.7'	0.40/1.3'
45-1209	Narrows	1,129.2 – 1,130.3'	0.13/1.1'
45-1210	Narrows	1,236.3 – 1240.0' Incl. (1,236.3 – 1,238.0')	0.17/7.0' 0.35/1.7'
45-1211	Narrows	1,311.1 – 1,315.4' Incl. (1,312.2 – 1313.7')	0.19/4.3' 0.23/1.5'
45-1212	Narrows	1,160.0 – 1,166.5'	0.05/6.5'
45-1213	Narrows	1,216.2 – 1,222.0'	0.05/5.8'
45-1214	Narrows	1,161.1 – 1163.8' Incl. (1,162.1 – 1,163.8')	0.23/2.7' 0.30/1.7'
45-1215	Narrows	1,229.0 – 1,234.2'	0.06/5.2'
45-1216	Narrows	1,150.0 – 1,158.4' Incl. (1,155.0 – 1.157.0')	0.17/8.4' 0.35/2.0'
45-1233	-	Abandoned	-
45-1233A	Narrows	1,099.0 – 1101.4'	NSV
45-1234	Narrows	1,273.0 – 1,274.6'	0.27/1.6'
45-1235	Narrows	1,401.7 – 1412.5'	NSV

Summary and Conclusions

The `05/Narrows Zone represents a largely unexplored mineralized structure throughout the camp. Though the current round of drilling did not result in ore-grade mineralization, further underground drilling from Macassa and the Kirkland Minerals property is recommended.

Respectfully Submitted

S. Stewart Carmichael

Stewart Carmichael, B.Sc., P.Geo
Chief Exploration Geologist

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO

Appendix A – Summary of Expenditures

Footage Summary by Claim

Hole No.	Claim P-2837	Claim P-2838	Claim L-342832
45-1207	0-670' (670')	670-1,500' (830')	
45-1208	0-1,704' (1,704')		
45-1209	0-1,210' (1,210')	1,210-1,500' (290')	
45-1210	0-750' (750)	750-1,600' (850')	
45-1211	0-1,000' (1,000')	1,000-1,715' (715')	
45-1212	0-570' (570')	570-1,500' (930')	
45-1213	0-570 (570')	570-1,600' (1,030')	
45-1214	0-470' (470')	470-1,600' (1,130')	
45-1215	0-540' (540')	540-1,607' (1,067')	
45-1216	0-730' (730')	730-1,511' (781')	
45-1233	0-300 (300')		
45-1233A	0-600' (600')	600-1,780' (1,180')	1,780-3,000 (1,220')
45-1234	0-670' (670')	670-1,500' (830')	
45-1235	0-1,570 (1,570')		
TOTAL	**11,354'**	**9,633'**	**1,220'**

Drilling Cost by Claim

Hole No.	Drilling Cost P-2837	Drilling Cost Claim P-2838	Drilling Cost Claim L-342832
45-1207	$10,955	$13,571	
45-1208	$29,123	0	
45-1209	$20,450	$4,901	
45-1210	$12,836	$14,548	
45-1211	$13,781	$9,853	
45-1212	$14,317	$23,360	
45-1213	$13,422	$24,255	
45-1214	$5,208	$12,522	
45-1215	$8,026	$15,860	
45-1216	$14,652	$15,676	
45-1233	$4,234	0	
45-1233A	$12,222	$24,037	$24,851
45-1234	$9,660	$11,965	
45-1235	$22,301	0	
TOTAL	**$191,187**	**$170,548**	**$24,851**

Assaying Cost by Claim

Hole No.	Assaying Cost P-2837	Assaying Cost Claim P-2838	Assaying Cost Claim L-342832
45-1207	$121.50	$526.50	
45-1208	$904.50		
45-1209	$337.50	$189.00	
45-1210	$148.50	$459.00	
45-1211	$256.50	$486.00	
45-1212	$40.50	$513.00	
45-1213	$67.50	$418.50	
45-1214		$364.50	
45-1215	$162.00	$445.50	
45-1216	$40.50	$324.00	
45-1233			
45-1233A		$337.50	?
45-1234	$67.50	$405.00	
45-1235	$378.00		
TOTAL	**$2,524.5**	**$4,468.5**	

Supervision/Logging/Labor Cost by Claim

	Supervision etc. P-2837	Supervision etc. Claim P-2838	Supervision etc. Claim L-342832
Supervision	$8,687	$7,378	$935
TOTAL	**$8,687**	**$7,378**	**$935**

Total Value of Expenditures per Claim

	P-2837	Claim P-2838	Claim L-342832
Drilling	$191,187	$170,548	$24,851
Assaying	$2,525	$4,469	
Core Boxes	$1,274	$1,074	$150
Labor	$8,670	$7,310	$1,020
TOTAL	**$203,656**	**$183,401**	**$26,021**

Summary of Expenses

Drilling:	$386,586.00
Core Boxes: 555 @ $4.50/tray	$2,498.00
Assays @$13.50/sample	$6,994.00
Logging/Labor/Supervision/report	$17,000.00

TOTAL: $413,078.00

The maximum value of work which can be assigned in any given year from the patented mining claims is as follows:

P-2837 (16.4 Ha)	$1,500.00/Ha	$24,600.00
P-2838 (18.5 Ha)	$1,500.00/Ha	$17,750.00
Lease # 107737 (100.5 Ha)	$1,500.00/Ha	$150,750.00

Appendix B – References

Charlewood, G.H.
1964, Geology of Deep Development on the Main Ore Zone at Kirkland Lake: Ontario Department of Mines, Geological Circular No. 11, 49 p.

Hawley, J.E.
1950, Mineralogy of the Kirkland Lake Ores: Ontario Department of Mines, Annual Report for 1948, v. 57, pt. 5, pp 108-124.

Ispolatov, V., Lafrance, B., Dube, B., Hamilton, M. and Creaser, R. 2005
Geology, structure, and gold mineralization, Kirkland Lake and Larder Lake areas (Gauthier and Teck townships): Discover Abitibi Initiative; Ontario Geological Survey, open File Report 6159, 170p.

Thomson, J.E.
1950, Geology of Teck Township and the Kenogami Lake area: Ontario Department of Mines, Annual Report for 1948, v. 57, pt. 5, pp. 1-53, accompanied by maps 1945-1 and 1946-2, scale 1:12,000 or 1: to 1,000 feet.

Various assessment files on record at the Resident Geologists Office, Kirkland Lake

Appendix C – 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, member 0455.

4. I have worked as a geologist for a total of 27 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 22th Day of April, 2010

(Signed)

PROFESSIONAL GEOSCIENTISTS
STEWART CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO

Stewart Carmichael, P.Geo.
Chief Exploration Geologist

Appendix D – Diamond Drill Logs and Assay Certificates

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1207 Zone no: Contractor: CABO Started: 13/08/2009
Canton : TECK Completed: 27/08/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1600 E Working officMacassa

Collar coordonate : Line : 16+30 E Latitude: 14765.00N Azimuth: 312° 0' 0"
Station: 1+67 N Longitude: 13704.00E Dip: 21° 0' 0"
Reference system : Elevation: -4491.00 Depth:1500.00

Deviation tests :

Depth	Dip	Az Truth
200.00 F	20° 0' 0"	311°54' "
400.00 F	19°42' 0"	313°24' "
600.00 F	18°54' 0"	315° 6' "
800.00 F	19° 6' 0"	313°54' "
1000.00 F	19° 6' 0"	315° 6' "
1200.00 F	18°48' 0"	313°18' "
1500.00 F	19°12' 0"	315°54' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 28/08/2009 Hole no: 45-1207

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
0.00	32.20	TRACHYTE Dark green/grey coarse-grained trachyte. Fresh, massive.					
32.20	62.70	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.					
62.70	70.90	TRACHYTE Same as unit above porphyry.					
70.90	75.10	PORPHYRY					
75.10	80.80	TRACHYTE					
		79.50 81.00 Trachyte/porphyry contact, 1-2% pyrite.	283751	79.50	81.00	1.50	.001
80.80	104.70	PORPHYRY Dark brown medium-grained porphyry.					
		103.00 105.30 Porphyry/trachyte contact. 2-3% diss pyrite.	283752	103.00	105.30	2.30	.001
104.70	193.80	TRACHYTE Dark grey/green coarse-grained trachyte.					
193.80	223.20	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.					
223.20	229.30	PORPHYRY Dark brown medium-grained porphyry. Natural contacts.					
229.30	273.20	BASIC SYENITE Same as unit above porphyry.					
		240.00 240.05 Chlorite/carb shear, dip 55 deg to CA. Trace pyrite.	283753	240.00	241.30	1.30	.001
273.20	300.20	PORPHYRY Natural upper andlower contacts.					
300.20	390.30	BASIC SYENITE Same as unit above porphyry.					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		377.00 379.20 Sheared foliated basic syenite, dip 38 deg to CA.	283754	377.00	379.20	2.20	.001	.001	.001		
			283755	379.20	381.50	2.30	.001				
			283756	381.50	382.50	1.00	.001				
		382.50 383.50 Brecciated sheared syenite, carb groundmass and flooding. Trace pyrite.	283757	382.50	383.50	1.00	.001				
		383.50 384.50 Sheared basic syenite, foliation at 46 deg to CA.	283758	383.50	385.50	2.00	.001				
			283759	385.50	387.00	1.50	.001				
390.30	393.10	TRACHYTE Narrow lens of trachyte.									
393.10	428.30	BASIC SYENITE Same as unit above trachyte.									
428.30	447.80	TUFF Dark grey fine-grained ash tuff. Natural contacts.									
447.80	545.80	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.									
545.80	565.00	TUFF Dark grey fine-grained ash tuff. Natural contacts.									
565.00	576.60	BASIC SYENITE Dark green medium-grained basic syenite. Naturalcontacts.									
576.60	588.50	PORPHYRY									
588.50	596.30	TUFF Narrow lens of dark green fine-grained ash tuff.									
596.30	624.50	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact. 604.20 604.30 1" chlorite/carb shear, dip 46 deg to									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		CA. Barren.										
624.50	638.00	PORPHYRY Natural contacts.										
638.00	958.40	BASIC SYENITE Same as unit above porphyry.								P-2837		
		690.00 693.20 Basic syenite, 2-3% diss pyrite.	283760	690.00	692.00	2.00	.017	670'		P-2838		
			283761	692.00	693.20	1.20	.013					
		798.10 800.00 Felsic rib, 1-2% pyrite.	283762	798.10	800.00	1.90	.009					
			283763	813.90	814.90	1.00	.001					
		814.30 814.50 2" chlorite/carb vein, dip 40 deg to CA. 1% diss pyrite.										
		826.00 829.30 MAFIC DYKE Dark green fine-grained dyke. 1% biotite phenocrysts.										
		829.30 829.60 Felsic rib, 1-2% pyrite.	283764	829.30	830.30	1.00	.022					
		926.20 930.80 MAFIC DYKE Chilled contacts.										
		939.00 940.00 Chlorite shear, dip 50 deg to CA. Barren.	283765	939.00	940.50	1.50	.001	.001	.001			
958.40	1092.70	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.	283766	1076.00	1079.00	3.00	.001					
		1079.001083.00 Bleached porphyry, trace pyrite.	283767	1079.00	1081.60	2.60	.001					
			283768	1081.60	1083.00	1.40	.001					
1092.70	1500.00	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.	283769	1099.00	1100.00	1.00	.001					
		1099.80 1099.90 Chlorite shear, dip 48 deg to CA.										
			287901	1134.90	1135.90	1.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
			287902	1135.90	1138.50	2.60	.001				
			287903	1138.50	1140.50	2.00	.001				
			287904	1140.50	1143.00	2.50	.12	.13	.11		
			287905	1143.00	1145.00	2.00	.009				
			283770	1145.00	1147.50	2.50	.098	.099	.097		
		1147.501187.70									
		NARROWS ZONE									
		weakly to locally strongly bleached and									
		sheared basic syenite. Trace to 1%									
		pyrite, locally up to 8% over short									
		intervals.									
		1147.50 1148.60	283771	1147.50	1148.60	1.10	.57	.57	.566		
		6-8% pyrite, faint/weak	283772	1148.60	1150.00	1.40	.003				
		silicification.	283773	1150.00	1152.50	2.50	.006				
			283774	1152.50	1155.00	2.50	.03				
			283775	1155.00	1156.90	1.90	.018				
		1156.20 1156.22									
		Tight carbonate break, dip 60 deg to									
		CA.									
		1156.22 1156.60									
		4" carb vein, 4-5% pyrite.									
			283776	1156.90	1159.00	2.10	.028				
			283777	1159.00	1161.20	2.20	.018	.017	.019		
			283778	1161.20	1163.00	1.80	.061				
			283779	1163.00	1165.50	2.50	.039				
			283780	1165.50	1168.00	2.50	.001				
			283781	1168.00	1170.50	2.50	.001				
			283782	1170.50	1173.00	2.50	.001				
			283783	1173.00	1175.50	2.50	.001				
			283784	1175.50	1178.00	2.50	.001				
			283785	1178.00	1180.50	2.50	.001				
		1178.80 1178.81									
		Chlorite shear, dip 50 deg to CA.									
			283786	1180.50	1182.60	2.10	.001				
			283787	1182.60	1183.60	1.00	.003				
		1183.60 1185.70	283788	1183.60	1186.00	2.40	.001	.001	.001		
		Felsic rib, trace pyrite.									
			283789	1186.00	1187.70	1.70	.001				
		1186.80 1187.10									
		3" chlorite carb mylonitic break. Dip									

.15/8.1'

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		51 deg to CA. Trace pyrite.									
			283790	1187.70	1190.00	2.30	.001				
			283791	1194.00	1195.00	1.00	.001				
		1194.55 1194.56									
		Chlorite shear, dip 48 deg to CA.									
			283792	1215.70	1217.00	1.30	.001				
		1216.45 1216.46									
		Chlorite shear, dip 58 deg to CA.									
			283793	1217.00	1220.00	3.00	.001				
			283794	1283.00	1284.00	1.00	.001				
		1283.30 1283.32									
		Chlorite shear, dip 32 deg to CA.									
			283795	1301.00	1302.50	1.50	.001				
		1302.501303.80									
		Slightly bleached, trace pyrite.	283796	1302.50	1303.80	1.30	.001				
		1418.901420.20									
		Syenite, 1-2% diss pyrite.	283797	1418.90	1420.20	1.30	.051				
			283798	1480.60	1481.60	1.00	.056	.054	.058		
		1481.00 1481.20									
		2" 10% diss pyrite.									
		1500.001500.00									
		End of Hole									
		END OF HOLE									
		Total number of samples : 53									
		Total length sampled : 98.20									

PROFESSIONAL GEOSCIENTISTS
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO

Apr 2010

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-2920-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: OCT-05-09

Project:

Attn: S. CARMICHAEL

13.50/sample

We hereby certify the following Assay of 48 1/2 CORE samples submitted SEP-25-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
283751	<0.001	-
283752	<0.001	-
283753	<0.001	-
283754	<0.001	<0.001
283755	<0.001	-
283756	<0.001	-
283757	<0.001	-
283758	<0.001	-
283759	<0.001	-
283760	0.017	-
283761	0.013	-
283762	0.009	-
283763	<0.001	-
283764	0.022	-
283765	<0.001	<0.001
283766	<0.001	-
283767	<0.001	-
283768	<0.001	-
283769	<0.001	-
283770	0.099	0.097
283771	0.570	0.566
283772	0.003	-
283773	0.006	-
283774	0.030	-
283775	0.018	-
283776	0.028	-
283777	0.017	0.019
283778	0.061	-
283779	0.039	-
283780	<0.001	-

45-1267

P-2837

P-2838

Certified by Denis Clark

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

Established 1928

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9W-2920-RA1

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Date: OCT-05-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 48 1/2 CORE samples submitted SEP-25-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
283781	<0.001	-
283782	<0.001	-
283783	<0.001	-
283784	<0.001	-
283785	<0.001	-
283786	<0.001	-
283787	0.003	-
283788	<0.001	<0.001
283789	<0.001	-
283790	<0.001	-
283791	<0.001	-
283792	<0.001	-
283793	<0.001	-
283794	<0.001	-
283795	<0.001	-
283796	<0.001	-
283797	0.051	-
283798	0.054	0.058
BLANK	<0.001	-
STD OxH66	0.037	-

45- 1207

Certified by Denis Chute

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1208 Zone no: Contractor: CABO Started: 17/09/2009
Canton : TECK Completed: ~~01~~/10/2009
Lot : Rang : Claim no: P-2837 04

Puit # : Level : 4500 Section: 1630 E Working offic#1 Winze Station

Collar coordonate : Line : 16+30 E Latitude: 14769.00N Azimuth: 334° 0' 0"
Station: 1+62 N Longitude: 13706.00E Dip: 35° 0' 0"
Reference system : Elevation: -4490.00 Depth:1704.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
50.00 F	34°54' 0"	333° 0' "
100.00 F	34°24' 0"	335°18' "
300.00 F	34° 6' 0"	337°12' "
500.00 F	33°36' 0"	334°48' "
700.00 F	32°30' 0"	334°54' "
900.00 F	32°30' 0"	336°24' "
1100.00 F	32°18' 0"	337°12' "
1300.00 F	32°54' 0"	334°54' "
1500.00 F	33° 0' 0"	338°54' "
1700.00 F	33° 6' 0"	335°24' "

Comments : Core stored at Macassa #3 Shaft

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

Logged by : S. Carmichael Date logged: 13/10/2009 Hole no: 45-1208

DA entirely on P-2837

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)							
0.00	42.60	TRACHYTE: Grey-brown. Massive, fine to coarse gr'd w/ fair to well developed pseudoleucite crystals. 1-2% qtz carb stgs & mnr bullosih veining.											
42.60	52.60	BASIC SYENITE: Dark greenish-grey. Massive, fine gr'd to medium gr'd w/ fairly well developed augite phenos & 1-3% qtz carb stgs. Local foliation. Natural contact @ 44-60 deg TCA. 50.00 50.80 Foliation @ 58 deg TCA.											
52.60	112.20	SYENITE PORPHYRY: Purplish-brown to greyish brown. Massive, fine to medium gr'd w/ fair to well developed feldspar phenos. 1% qtz carb stgs & mnr bullish veining. Natural contact partially bound by a qtz carb vein. Contact @ 32 deg TCA. 105.10 106.10 Wkly alt'd porphyry w/ 2-4% fg-mg py. 105.30 105.30 Chl slip w/ wk carb & chl bx'd. Dip is @ 20 deg TCA. 111.70 112.70 Porphyry/trachyte contact.	287862	105.10	106.10	1.00	.001						
			287863	111.70	112.70	1.00	.001						
112.20	141.70	TRACHYTE: Continuation of the above unit. Natural contact @ 42 deg TCA. 140.90 142.20 Trachyte/porphyry cpntact.	287864	140.90	142.20	1.30	.001						
141.70	186.20	SYENITE PORPHYRY: (chk 141.7') Continuation of the above unit. Natural contact @ 68-84 deg TCA. 185.70 186.70 Porphyry/trachyte contact.	287865	185.70	186.70	1.00	.001						
186.20	209.70	TRACHYTE: Continuation of the above unit. Natural contact @ 24-31 deg TCA.											

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		209.30 210.30 Trachyte/syenite contact.	287866	209.30	210.30	1.00	.001				
209.70	268.90	BASIC SYENITE: Dark greenish-grey. Massive, fine gr'd to medium gr'd w/ fair to well developed augite crystals. Natural contact @ partially bound by bullish qtz carb veining. Contact is @ 34 deg TCA. The syenite is also foliated at the contact									
		268.40 269.40 Syenite/trachyte contact.	287867	268.40	269.40	1.00	.001	.001	.001		
268.90	298.70	TRACHYTE: Continuation of the above unit. Natural contact @ 57-70 deg TCA. The syenite is weakly foliated near the contact.									
		298.30 299.30 Trachyte/syenite contact.	287868	298.30	299.30	1.00	.001				
298.70	309.50	BASIC SYENITE: Continuation of the above unit. Contact is bound by a chloritic qtz carb vein; syenite is strongly foliated @ the contact. Dip of contact is @ 30 deg TCA.									
309.50	316.20	SYENITE PORPHYRY: Greyish-brown. Massive, fine to medium gr'd w/ fair to well developed feldspar phenos. Natural contact @ 65 deg TCA.									
316.20	327.60	BASIC SYENITE: Continuation of the above unit. Natural contact bound by a qtz carb vein @ 60 deg TCA.									
		327.20 328.20 Syenite/trachyte contact.	287869	327.20	328.20	1.00	.001				
327.60	371.40	TRACHYTE: Beige-grey. Massive, fine gr'd to coarse gr'd w/ fairly well developed pseudoleucite crystals. 1% qtz carb stgs & mnr bullish veining. The syenite has a weak to mod foliation near the contact. Natural contact @ 41 deg TCA.									
		352.60 359.30 WEAK MINERALIZED ZONE:	287870	353.80	355.90	2.10	.001				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		Mod bl'd trachyte; locally up to 7% fg py. Only sampled most mineralized portion.										
		371.00 372.00 Trachyte/porphyry contact.	287871	371.00	372.00	1.00	.001					
371.40	394.60	SYENITE PORPHYRY: Grey brown to reddish-brown. Massive, fine to medium gr'd w/ fairly well developed feldspar phenos. 1% qtz carb stgs. Natural contact @ 33-40 deg TCA.										
		392.90 394.10 Wkly to mod bl'd, sil'd & hem'd porphyry w/ 1-3% fg-mg py.	287872	392.90	394.10	1.20	.001	.001	.001			
		394.10 395.10 Porphyry/trachyte contact.	287873	394.10	395.10	1.00	.001					
394.60	504.80	TRACHYTE: Continuation of the above unit w/ mnr bullish veining. Natural contact @ 50 deg TCA.										
		504.20 505.20 Trachyte/tuff contact.	287874	504.20	505.20	1.00	.001					
504.80	539.10	TUFF: Grey. Massive, generally fine gr'd to medium gr'd; sandy-natured & lapilli tuff. Natural contact @ 56 deg TCA.	287875	510.50	511.80	1.30	.001					
		511.10 511.15 WEAK SHEAR: Weak chlorite +/- carb shear @ 37 deg TCA.										
		538.70 539.70 Tuff/porphyry contact; wkly bl'd porphyry w/ 1-3% generally mg py.	287876	538.70	539.70	1.00	.001					
539.10	541.80	SYENITE PORPHYRY: Beige brown to greyish-brown. Massive, fine gr'd to medium gr'd w/ fairly well developed feldspar phenos. 3-5% qtz carb & chl stgs; mnr bullish veining. Contact bound by bx'd qtz carb veining. Dip is @ 36 deg TCA.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		539.70 541.40 Wkly to mod bl'd & sil'd porphyry w/ mnr qtz carb veining & 1-2% generally mg py. 540.60 540.70 3/4" Bx'd qtz carb vein @ 28-33 deg TCA.	287877	539.70	541.40	1.70	.001			287878	Blank	.001
		541.40 542.40 Porphyry/tuff contact; porphyry is wkly bl'd with 1-3% fg-mg py.	287879	541.40	542.40	1.00	.001	.001	.001			
541.80	543.20	TUFF: Mnr lense of tuff. Natural contact @ 50-64 deg TCA.										
		542.40 543.70 Tuff/porphyry contact; the tuff is wkly alt'd w/ 2-4% fg-mg py. The porphyry is less alt'd w/ less py.	287880	542.40	543.70	1.30	.001					
543.20	549.30	SYENITE PORPHYRY: Continuation of the above unit. Natural contact @ 32-44 deg TCA.										
		548.90 549.90 Porphyry/tuff contact.	287881	548.90	549.90	1.00	.001					
549.30	562.30	TUFF: Continuation of the above unit. Natural contact partially bound by qtz carb veining. Dip is @ 29 deg TCA.										
562.30	564.20	BASIC SYENITE: Mnr unit of syenite. Natural contact @ 28 deg TCA.										
564.20	641.80	SYENITE PORPHYRY: Greyish-brown to reddish-brown. Massive, fine to medium gr'd w/ fairly well developed feldspar phenos. 1-3% qtz carb stgs & mnr bullish veining. Natural contact @ 43-52 deg TCA.										
		618.70 619.70 Wkly alt'd porphyry w/ a 1" myolinized chloritic structure @ 59-64 deg TCA.	287882	618.70	619.70	1.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		641.40 642.40 Porphyry/tuff contact.	287883	641.40	642.40	1.00	.001					
641.80	686.00	TUFF: Dark grey to black. Massive, fine to medium gr'd sandy-natured & lapilli tuff w/ 1-2% qtz carb stgs & mnr bullish veining. Natural contact @ 25-66 deg TCA.										
686.00	753.90	BASIC SYENITE: Greenish-grey. Massive, fine to medium gr'd w/ fair to well developed augite phenos. 1% qtz carb stgs, mnr bullish veining & mnr felsic ribs up to 1". Natural contact @ 24 deg TCA.	287884	731.50	732.50	1.00	.001	gap	>3'!			
		732.02 732.04 1/8" Chl + carb structure @ 39 deg TCA.	287885	735.10	736.10	1.00	.001					
		735.35 735.36 1/4" mod myolinized & bx'd chloritic + carb structure @ 34 deg TCA.	287886	750.00	751.00	1.00	.001	maybe	out of	place		
		750.48 750.51 FAULT: 1/8" - 3/4" bx'd, wkly to mod myolinized chlorite + carb fault. Dip is @ 35 deg TCA.										
753.90	799.20	SYENITE PORPHYRY: Brown to greyish-brown. Massive, fine to medium gr'd w/ well developed feldspar phenos. 1% qtz carb stgs. Natural contact @ 58 deg TCA.										
799.20	1017.00	BASIC SYENITE: Continuation of the above unit; felsic ribbing up to 3.5". Natural contact @ 30 deg TCA.										
		902.90 903.90 Wkly bl'd w/ 1-3% fg-mg py.	287887	902.90	903.90	1.00	.033					
		903.90 905.70 Wkly bl'd. Chk sample.	287888	903.90	905.70	1.80	.001					
		905.70 906.90 Weakly bl'd w/ mnr felsic ribbing & 2-4%	287889 287890	905.70 906.90	906.90 909.40	1.20 2.50	.046 .001	.046	.045			

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)							
		fg-mg py.											
		908.34 908.46 1/2" Myolinized & bx'd carb chl vein w/ additional vein fragments? Dip of vein is @ 28 deg TCA.											
		965.09 965.12 carb chl vein w/ a mod myolinitic fabric. Dip is @ 53 deg TCA.											
		974.30 981.90 FELSIC RIB	287891	999.40	1000.70	1.30	.001						
		999.55 1000.35 SHEAR ZONE: Chloritic carb shear w/ abundant carb fragments. Dip is @ 67 deg TCA.											
		1016.601017.70 Syenite/porphyry contact.	287892	1016.60	1017.70	1.10	.001						
1017.00	1090.70	SYENITE PORPHYRY: Brown to beige-brown. Massive, fine to medium gr'd w/ generally poor feldspar phenocryst development. 1% qtz carb stgs. Natural contact @ 60 deg TCA.											
		1051.501053.10 Wkly to mod bl'd & sil'd porphyry w/ 1% fg-mg py.	287893	1051.50	1053.10	1.60	.001						
		1068.601070.70 MAFIC DYKE: Greenish-grey. Massive, fine to medium gr'd. Fizzes w/ HCl (carbonate). Pseudo-lamprophyric. Upper contact @ 45 deg TCA. Lower contact @ 65-70 deg TCA.											
		1083.501083.75 ~2" Lense of IDK @ 40 & 44 deg TCA.											
		1090.201091.20 Porphyry/syenite contact.	287894	1090.20	1091.20	1.00	.001						
1090.70	1212.20	BASIC SYENITE: Grey-green w/ abundant white crystals, sometimes	287895	1096.10	1097.80	1.70	.001						

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		as cumulates (feldspar?). Massive, fine gr'd to medium gr'd w/ fairly well developed augite phenos. Gradational contact.									
		1096.35 1096.80 SHEAR ZONE: Mod myolinized, bx'd carb chlorite shear zone @ 52 deg TCA.									
1097.80	1099.20	Sampling a weakly pyritized porphyry lense in wkly to mod chloritzed syenite.	287896	1097.80	1099.20	1.40	.001				
		1104.00 1104.20 Minor discing.									
		1182.00 1182.00 Ch1 slip w/ mnr breccia. Dip is @ 65 deg TCA.									
1196.60	1198.00	Sampling a ~1" qtz carb actinolite vein. Dip is @ 45 deg TCA. Vein has a fabric sub-parallel to the dip.	287897	1196.60	1198.00	1.40	.001				
		1197.30 1197.55 SHEAR ZONE: Mod sheared syenite @ 60 deg TCA.									
1203.40	1206.40	Frsh syenite. Chk sample.	283397	1203.40	1206.40	3.00	.001				
1206.40	1208.40	As above.	283398	1206.40	1208.40	2.00	.001				
1208.40	1209.70	Wkly mineralized. Chk sample.	287898	1208.40	1209.70	1.30	.400	.437	.362		
1209.70	1212.40	Mod bl'd, sil'd porphyry w/ qtz carb veining/fragments. 2-5% fg-mg py.	287899	1209.70	1212.40	2.70	.001				
1210.50	1210.65	MAFIC DYKE: 2" Greenish grey-black. Massive, fine to medium gr'd w/ alower partially chilled margin. The dyke has a fabric sub-parallel to its contact. Upper									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		contact @ 60, lwr @ 52 deg TCA. Dyke fizzes w/ HCl (lamprophyre?)									
1212.20	1215.30	MAFIC DYKE: Continuation of the mafic dyke rock. Mineralization at the contact; contact @ 79 deg TCA.									
		1212.401214.40 Reletively fresh dyke rock. Chk sample.	287900	1212.40	1214.40	2.00	.001				
1215.30	1704.00	BASIC SYENITE: Continuation of the above unit. Contact is approximate.									
		1222.20 1226.00 Core ground down to ~AQ size. Upper grind evident; lower grind approximate.	287906	1266.00	1267.50	1.50	.001				
		1267.501269.00 Weaklt sheared, 3-4% pyrite.	287907	1267.50	1269.00	1.50	.098	.092	.103		
		1268.80 1268.85 1/2" qtz/cahlorite shear, dip 42 deg to CA.	287908	1269.00	1272.00	3.00	.001				
			287909	1272.00	1275.00	3.00	.001				
			287910	1275.00	1278.00	3.00	.001				
			287911	1286.00	1288.00	2.00	.001	.001	.001		
		1286.70 1286.72 Chlorite/carb shear, dip 38 deg to CA.	287912	1290.00	1291.50	1.50	.001				
		1290.40 1290.50 1" chlorite/carb shear, dip 53 deg to CA.									
		1302.001344.00 FELSIC RIB Dark orange/green medium-grained felsic rib. Gradational contacts with basic syenite.	287913	1315.70	1317.00	1.30	.001				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		1316.20 1316.50 3" chlorite/carb vein, dip 44 deg to CA. Barren.									
			287914	1317.00	1318.00	1.00	.001				
		1317.75 1317.80 1/2" chlorite/carb vein, dip 40 deg to CA.									
		1350.001351.50 Felsic phase, 1-2% pyrite.	287915	1350.00	1351.50	1.50	.001				
			287916	1392.00	1394.00	2.00	.001				
			287917	1394.00	1396.00	2.00	.004				
		1395.80 1395.85 1/2" chlorite shear, dip 60 deg to CA.									
			287918	1396.00	1398.50	2.50	.001				
			287919	1398.50	1401.50	3.00	.001				
			287920	1401.50	1403.50	2.00	.001				
		1402.50 1403.40 Sheared basic syenite, trace pyrite. Dip 64 deg to CA.									
			287921	1403.50	1406.00	2.50	.001				
			287922	1406.00	1409.00	3.00	.001				
			287923	1536.60	1539.00	2.40	.038	.039	.036		
			287924	1539.00	1540.00	1.00	.001				
		1539.40 1539.50 1" chlorite shear, dip 38 deg to CA. 4-5% pyrite.									
			287925	1540.00	1541.00	1.00	.001				
			287926	1580.00	1581.70	1.70	.001				
		1581.00 1581.01 Tight chlorite fault, dip 61 deg to CA.									
			287927	1581.70	1584.00	2.30	.001				
		1584.00 1584.01 Tight chlorite fault, dip 43 deg to CA.	287928	1584.00	1586.00	2.00	.001				
			287929	1586.00	1588.00	2.00	.001				
		1587.40 1587.50 1" bullish qtz vein, dip 32 deg to CA.									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
			287930	1701.00	1703.00	2.00	.001					
		1702.10 1702.20 Chlorite/carb shear, dip 25 deg to CA.										
		1704.001704.00 End of Hole Marker says 1700'.										
		END OF HOLE										
		Total number of samples : 65 Total length sampled : 104.60										

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO
April 2010

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3103-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: OCT-20-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 30 1/2 CORE samples submitted OCT-14-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
274180	<0.001	-
274181	0.002	0.002
287862	<0.001	-
287863	<0.001	-
287864	<0.001	-
287865	<0.001	-
287866	<0.001	-
287867	<0.001	<0.001
287868	<0.001	-
287869	<0.001	-
287870	<0.001	-
287871	MISSING	-
287872	<0.001	<0.001
287873	<0.001	-
287874	<0.001	-
287875	<0.001	-
287876	<0.001	-
287877	<0.001	-
287878	<0.001	-
287879	<0.001	<0.001
287880	<0.001	-
287881	<0.001	-
287882	<0.001	-
287883	<0.001	-
287884	<0.001	<0.001
287885	<0.001	-
287886	<0.001	-
287887	0.033	-
287888	<0.001	-
287889	0.046	0.045

45-1208 P-2837

Certified by Dennis Clute

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

Assay Certificate

9W-3103-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: OCT-20-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 30 1/2 CORE samples submitted OCT-14-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
287890	<0.001	-
BLANK	<0.001	-
STD OxH66	0.038	-

45-1208 P-2837

Certified by Dennis Clouston

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Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3199-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: OCT-28-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 40 1/2 CORE samples submitted OCT-21-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
287891	<0.001	-
287892	<0.001	-
287893	<0.001	-
287894	<0.001	-
287895	<0.001	-
287896	<0.001	-
287897	<0.001	-
287898	0.437	0.362
287899	<0.001	-
287900	<0.001	-
287901	0.001	-
287902	<0.001	-
287903	<0.001	-
287904	0.130	0.110
287905	0.009	-
287906	<0.001	-
287907	0.092	0.103
287908	0.001	-
287909	0.001	-
287910	<0.001	-
287911	<0.001	<0.001
287912	<0.001	-
287913	0.001	-
287914	0.001	-
287915	<0.001	-
287916	<0.001	-
287917	0.004	-
287918	0.001	-
287919	<0.001	-
287920	<0.001	-

P-2837

45-1208

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Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3199-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: OCT-28-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 40 1/2 CORE samples submitted OCT-21-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
287921	<0.001	-
287922	<0.001	-
287923	0.039	0.036
287924	<0.001	-
287925	<0.001	-
287926	<0.001	-
287927	<0.001	-
287928	<0.001	-
287929	<0.001	-
287930	<0.001	-
BLANK	<0.001	-
STD OxH66	0.038	-

P-2837

67

Certified by Denis Clutchey

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1209 Zone no: Contractor: CABO Started: 05/10/2009
Canton : TECK Completed: 21/10/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630E Working offic#1 Winze Station

Collar coordonate : Line : 16+30 E Latitude: 14765.00N Azimuth: 328° 0' 0"
Station: 1+62 N Longitude: 13704.00E Dip: 29° 0' 0"
Reference system : Elevation: -4491.00 Depth:1500.00

Reflex

Deviation tests :

Depth	Dip	Az Truth
50.00 F	28°36' 0"	326°30' "
200.00 F	28°24' 0"	330°54' "
400.00 F	28°18' 0"	329°48' "
600.00 F	27°24' 0"	330°18' "
800.00 F	27°12' 0"	333° 0' "
1000.00 F	27° 0' 0"	331°54' "
1250.00 F	27°36' 0"	331°18' "
1500.00 F	27°48' 0"	331° 6' "

Comments : Core stored at Macassa #3 shaft

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

Logged by : S. Carmichael Date logged: 15/10/2009 Hole no: 45-1209

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
0.00	32.50	TRACHYTE Dark green/grey fine to medium-grained trachyte.									
32.50	92.00	PORPHYRY Dark brown fine-grained porphyry. Natural upper contact.									
92.00	108.20	TRACHYTE									
108.20	129.70	PORPHYRY Dark brown medium-grained porphyry.									
		128.40 130.00 Porphyry/trachyte contact, 2-3% pyrite in the porphyry.	287931	128.40	130.00	1.60	.001				
129.70	172.30	TRACHYTE Same as unit above porphyry.									
172.30	218.50	TUFF Dark green fine-grained ash tuff. Natural upper contact.									
218.50	271.60	BASIC SYENITE Dark green medium-grained basic syenite. Fresh, massive.									
271.60	277.40	PORPHYRY Natural contacts.									
277.40	312.90	BASIC SYENITE Same as unit abobe porphyry.	287932	307.00	308.70	1.70	.001				
			287933	308.70	309.70	1.00	.001				
		309.20 309.50 3" chlorite break, mylonitized basic syenite. Dip 40 deg to CA.									
			287934	309.70	310.90	1.20	.001	.001	.001		
312.90	338.40	PORPHYRY Dark brown medium-grained porphyry. Natural contacts.									
338.40	378.20	TUFF Dark green fine-grainedash and lapillituff. Natural upper contacts.									
378.20	424.50	TRACHYTE Dark brown fine to medium-grained trachyte.									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
		378.20 381.00 Trachyte, 10%bullish carb stringers and flooding.	287935	378.20	381.00	2.80	.001
424.50	483.20	TUFF Dark green fine-grained ash tuff.					
483.20	575.40	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.					
575.40	630.50	TUFF Dark green fine-grained ash tuff. Natural upper contact. 622.30 622.31 Chlorite fault, seam of mud gouge. Dip 40 deg to CA.					
630.50	656.30	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.					
656.30	688.40	BASIC SYENITE Dark green medium-grained basic syenite. Natural contacts.					
688.40	693.60	PORPHYRY Naroow porphyry dyke. Natural contacts.					
693.60	977.70	BASIC SYENITE Same as unit above porphyry. 744.50 744.60 Weak shear, dip 46 deg to CA. Trace pyrite. 746.80 747.00 Chlorite shear, dip 43 deg to CA. Trace pyrite. 823.90 824.00 Chlorite fault, dip 29 deg to CA. Barren.	291712 291713 291714	744.00 746.50 823.50	745.20 748.20 824.50	1.20 1.70 1.00	.001 .001 .001

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		863.70 869.70 Felsic Rib									
		883.00 884.40 Fractured, chlorite fractures, trace pyrite.	291715	883.00	884.40	1.40	.001				
			291716	890.00	891.70	1.70	.003	.003	.002		
		891.70 893.00 2-3% pyrite.	291717	891.70	893.00	1.30	.054				
			291718	893.00	894.00	1.00	.003				
		894.00 895.50 6% pyrite, dip 32 deg to CA.	291719	894.00	895.50	1.50	.107	.103	.11		
			291720	895.50	898.00	2.50	.002				
			291721	902.30	904.30	2.00	.071				
		902.60 902.65 Chlorite shear, dip 52 deg to CA. 3-4% pyrite.									
			291722	904.30	906.00	1.70	.003				
			291723	939.50	942.00	2.50	.001				
		940.00 940.80 Sheared syenite, bullish carb flooding. Trace pyrite. Dip 57 deg to CA.									
			291724	946.00	949.00	3.00	.001				
977.70	980.60	INTERMEDIATE DYKE Dark green fine-grained dyke. 1% biotite phenocrysts. Chilled upper contact.									
980.60	980.80	BASIC SYENITE Narrow lens before porphyry.									
980.80	1055.40	PORPHYRY Dark brown fine-grained porphyry. Natural upper contact.									
1055.40	1057.70	BSAIC SYENITE									
1057.70	1062.60	DIABASE DYKE Dark green fine-grained mafic dyke. Magnetic. Chilled contacts.									
1062.60	1500.00	BASIC SYENITE Same as unit above diabase.	291732	1125.00	1127.00	2.00	.001				
			291725	1127.00	1129.20	2.20	.019	.022	.016		

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)							
		1129.201135.50											
		MINERALIZED ZONE											
		Sheared/foliated basic syenite. Locally											
		silicified/veined with up to 8% diss											
		pyrite.											
		1129.20 1130.30	291726	1129.20	1130.30	1.10	.126	.123	.128	291727	blank	.001	
		Silicified/veined with 8% pyrite. Dip	291728	1130.30	1132.20	1.90	.022						
		54 deg to CA.											
		1132.20 1134.20	291729	1132.20	1134.20	2.00	.005						
		SHEAR ZONE											
		Strongly sheared/foliated basic											
		syenite. Dip 50 deg to CA.											
			291730	1134.20	1135.50	1.30	.001						
			291731	1135.50	1137.30	1.80	.001	1,210'		P 2837 P. 2838			
		1265.501267.00	291733	1265.50	1267.00	1.50	.004						
		Hematized, locally weakly silifified, 1%											
		pyrite.											
		1302.001331.00	291734	1302.50	1303.50	1.00	.001						
		Felsic Rib											
		1303.00 1303.05											
		Chlorite fault, dip 25 deg to CA.											
			291735	1328.00	1331.00	3.00	.001						
			291736	1331.00	1334.00	3.00	.001						
			291737	1334.00	1335.80	1.80	.001	.001	.001				
		1335.801344.00	291738	1335.80	1338.00	2.20	.001						
		MINERALIZED ZONE	291739	1338.00	1339.50	1.50	.003						
		Sheared feldspathized basic syenite.											
		Locally mineralized with up to 6% diss											
		pyrite.											
		1339.05 1339.20											
		BREAK											
		Chlorite/mylonitized syenite, dip 61											
		deg to CA. 8% pyrite.											
			291740	1339.50	1341.00	1.50	.01						
			291741	1341.00	1343.00	2.00	.003						
			291742	1343.00	1344.00	1.00	.001						
		1343.30 1343.60											
		BREAK											
		Mylonitized syenite, dip 55 deg to											
		CA. 8-10% pyrite.											

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
			291743	1344.00	1346.00	2.00	.001	.001	.001		
			291744	1346.00	1349.00	3.00	.001				
			291745	1481.00	1482.50	1.50	.002				
		1481.50 1481.60 1" chlorite/carb shear, dip 25 deg to CA. Trace pyrite.									
		1500.001500.00 End of Hole									
		END OF HOLE									
		Total number of samples : 38 Total length sampled : 68.10									

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO
April 2010

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3307-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: NOV-09-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 39 1/2 CORE samples submitted OCT-30-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
287931	<0.001	-
287932	<0.001	-
287933	<0.001	-
287934	<0.001	<0.001
287935	<0.001	-
291712	<0.001	-
291713	<0.001	-
291714	<0.001	-
291715	<0.001	-
291716	0.003	0.002
291717	0.054	-
291718	0.003	-
291719	0.103	0.110
291720	0.002	-
291721	0.071	-
291722	0.003	-
291723	<0.001	-
291724	<0.001	-
291725	0.022	0.016
291726	0.123	0.128
291727	<0.001	-
291728	0.022	-
291729	0.005	-
291730	<0.001	-
291731	<0.001	-
291732	<0.001	-
291733	0.004	-
291734	<0.001	-
291735	<0.001	-
291736	<0.001	-

45-1209

45 + 1209

P-2837

P-2838

Certified by

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

Assay Certificate

9W-3307-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: NOV-09-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 39 1/2 CORE samples submitted OCT-30-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
291737	<0.001	0.001
291738	<0.001	-
291739	0.003	-
291740	0.010	-
291741	0.003	-
291742	0.001	-
291743	0.001	0.001
291744	<0.001	-
291745	0.002	-
BLANK	<0.001	-
STD OxH66	0.037	-

Certified by Denis Charles

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1210 Zone no: Contractor: CABO Started: 07/11/2009
Canton : TECK Completed: 18/11/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14765.00N Azimuth: 312° 0' 0"
Station: 1+62 N Longitude: 13704.00E Dip: 34° 0' 0"
Reference system : Elevation: -4490.00 Depth:1600.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
200.00 F	33° 6' 0"	313°12' "
400.00 F	32° 0' 0"	313°30' "
600.00 F	31°12' 0"	314°54' "
800.00 F	30°36' 0"	316° 6' "
1200.00 F	30° 0' 0"	316° 6' "
1400.00 F	29°12' 0"	316°36' "
1600.00 F	29° 6' 0"	315°36' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 24/11/2009 Hole no: 45-1210

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
0.00	55.70	TRACHYTE: Brown to beige. Massive, fine to coarse gr'd w/ fair to well developed pseudoleucite crystals. Mnr qtz carb stgs.									
		43.70 45.30 Weakly to mod bleached w/ mnr qtz carb vnlets & 3-5% fg-mg py.	293702	43.70	45.30	1.60	.001				
		55.30 56.30 Trachyte/porphyry contact.	293703	55.30	56.30	1.00	.001				
55.70	92.20	SYENITE PORPHYRY: Brown. Massive, fine to mdium gr'd w/ fairly well developed feldspar phenos. Mnr carb stgs & ankeritic veining. Natural, weakly mineralized contact @ 54 deg TCA.									
		78.30 80.10 Weakly alt'd. 2-4% fg-mg py.	293704	78.30	80.10	1.80	.001				
		78.70 78.95 1" Orangy, bx'd qtz carb chl vein @ 24 deg TCA.									
92.20	113.90	TRACHYTE: Continuation of the above unit. Weakly mineralized contact @ 32 deg TCA.									
		113.40 114.50 Trachyte/porphyry contact. Trace pyrite.	293705	113.40	114.50	1.10	.001				
113.90	123.60	PORPHYRY Dark brown medium-grained porphyry. Mineralized upper and lower contacts.									
		122.30 124.00 Porphyry/trachyte contact. Bleached porphyry mineralized with 3-4% pyrite.	293706	122.30	124.00	1.70	.001	.001	.001		
123.60	274.60	TRACHYTE Dark green coarse-grained trachyte. Mineralized upper contact.	293707	233.00	234.00	1.00	.001				
		233.40 233.50 Chlorite/carb fault, dip 60 deg to CA.									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		270.00 272.00 Brecciated trachyte, chlorite groundmass.	293708	270.00	272.00	2.00	.001					
274.60	278.00	PORPHYRY Dark red/brown fine-grained porphyry.										
		274.60 275.70 Slightly bleached, trace pyrite.	293709	274.60	275.70	1.10	.001					
278.00	284.70	TRACHYTE Same as above porphyry.										
284.70	316.80	BASIC SYENITE Dark green medium-grained basic syenite. Fresh, massive.										
316.80	318.70	TRACHYTE Narrow lens of trachyte.										
318.70	351.80	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.										
351.80	581.10	TRACHYTE Grey medium-grained trachyte. Natural upper contact.	293710	581.00	584.00	3.00	.001					
581.10	662.00	PORPHYRY Dark brown fine to medium-grained porphyry. Bleached upper contact.										
662.00	732.30	TRACHYTE Dark olive green coarse-grained trachyte. Natural upper contact. 702.10 702.60 5" bullish carb vein, dip 52 deg to CA.	293711	701.00	702.80	1.80	.001					
732.30	755.00	TUFF Dark grey/green fine-grained ash tuff.										
		739.40 741.00 SHEAR ZONE Strongly foliated tuff, dip 30 deg to CA.	293712	739.40	741.00	1.60	.001	750'		P-2837 P-2838		
755.00	798.70	PORPHYRY Dark brown medium-grained porphyry.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		755.50 756.50 Tuff/porphyry contact. 2-3% pyrite in tuff.	293713	755.50	756.50	1.00	.005	.005	.005			
798.70	826.50	TUFF Dark green fine-grained ash tuff. Natural upper contact. 813.50 814.00 Chlorite/carb fault, dip 30 deg to CA. 2-3% pyrite. 819.00 819.10 Chlorite shear, dip 29 deg to CA.	293714	813.00	814.50	1.50	.001					
			293715	818.00	819.50	1.50	.001					
826.50	1063.60	BASIC SYENITE Dark green medium-grained basic syenite. 832.90 833.00 Chlorite/carb shear, dip 35 deg to CA.	293716	832.20	833.20	1.00	.001					
			293717	1017.50	1019.10	1.60	.001					
		1018.60 1019.00 Bleached shear zone, dip 80 deg to CA. Trace pyrite.										
		1019.001021.00 Bleached syenite.	293718	1019.10	1021.00	1.90	.001					
			293719	1021.00	1022.50	1.50	.001					
		1040.501043.10 INTERMEDIATE DYKE Light green fine-grained dyke. Chilled contacts.										
		1043.701045.40 Bleached fractured syenite, 4% bullish carb veins. trace pyrite.	293720	1043.70	1045.40	1.70	.001					
		1058.001060.00 Felsic Rib 1059.80 1059.82 Chlorite fault, dip 31 deg to CA.	293721	1058.00	1060.00	2.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
1063.60	1199.80	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.										
1199.80	1600.00	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.										
		1199.801202.50 Weak foliation at 50 deg to CA.	293722	1199.80	1202.50	2.70	.001					
			293723	1214.00	1217.00	3.00	.001					
			293724	1217.00	1219.00	2.00	.001					
		1219.001246.20 NARROWS ZONE Moderately foliated basic syenite increasing in intensity down section.	293725	1219.00	1221.50	2.50	.001					
			293726	1221.50	1224.00	2.50	.003					
			293727	1224.00	1226.20	2.20	.005					
		1225.20 1225.25 Chlorite/carb shear, dip 48 deg to CA.										
			293728	1226.20	1228.00	1.80	.023					
			293729	1228.00	1230.50	2.50	.043	.044	.042			
		1230.10 1230.40 Bullish quartz/chlorite vein, dip 32 deg to CA.										
			293730	1230.50	1233.00	2.50	.004					
		1231.80 1232.30 Felsic rib, 3% pyrite.										
			293731	1233.00	1234.30	1.30	.003					
		1234.30 1236.30 8% pyrite.	293732	1234.30	1236.30	2.00	.131					
			293733	1236.30	1238.00	1.70	.347	.339	.354	293734	blank	.002
		1236.70 1237.00 Silicified, 8-10% pyrite, dip 55 deg to CA.							17 1.0			
			293735	1238.00	1240.00	2.00	.095					
		1240.00 1241.30 Sheared basic syenite, 1 speck VG at 1241.0'. Dip 47 deg to CA.	293736	1240.00	1241.30	1.30	.131	.132	.13			
			293737	1241.30	1243.00	1.70	.019					
			293738	1243.00	1245.00	2.00	.001					
			293739	1245.00	1246.10	1.10	.001					
			293740	1246.10	1249.00	2.90	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		1353.001364.00	293741	1353.00	1356.00	3.00	.001				
		Foliated waekly sheared basic syenite.	293742	1356.00	1359.00	3.00	.017				
		Dip 42 deg to CA.	293743	1359.00	1360.00	1.00	.002				
			293744	1360.00	1362.00	2.00	.001				
			293745	1362.00	1364.00	2.00	.001				
			293746	1376.10	1377.20	1.10	.001	.001	.001		
		1376.50 1376.60									
		Chlorite/carb shear, dip 30 deg to CA. Barren.									
		1437.70 1442.00									
		Felsic Rib									
		1537.501539.10	291499	1537.50	1539.10	1.60	.024				
		Slightly bleached, 3-4% pyrite.									
			291500	1550.00	1551.00	1.00	.001				
		1550.10 1550.20									
		1" bullish chlorite/carb/qtz vein, dip 55 deg to CA.									
		1600.001600.00									
		End of Hole									
		END OF HOLE									
		Total number of samples : 46									
		Total length sampled : 83.80									

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO
April 1 2010

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Established 1928

Assay Certificate

9W-3751-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: DEC-22-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 56 CORE samples submitted DEC-11-09 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au 2nd oz/ton	Au2nd Ck oz/ton
293864	0.065	0.062	-	-
293865	0.009	-	-	-
293866	0.011	-	-	-
293867	0.012	-	-	-
293868	0.011	-	-	-
293869	0.715	0.808	0.726	0.700
293870	0.005	-	-	-
293871	0.005	-	-	-
293872	0.007	-	-	-
293873	0.035	0.035	-	-
293874	0.051	-	-	-
293875	0.062	-	-	-
293876	0.065	-	-	-
293877	0.001	0.001	-	-
293878	0.055	0.084	-	-
293879	0.027	-	-	-
293880	0.019	-	-	-
293881	0.002	-	-	-
293882	0.006	-	-	-
293883	0.022	-	-	-
293884	0.022	-	-	-
293885	0.027	-	-	-
293886	0.015	-	-	-
293887	0.016	-	-	-
293702	0.001	0.001	-	-
293703	0.001	-	-	-
BLANK	<0.001	-	-	-
STD OxH66	0.036	-	-	-

P-2837

51-1519

45-1210

Jan.6, 10: Au 2nd and check on sample 293869.

Certified by Dennis Clutterbuck

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

Assay Certificate

9W-3585-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: DEC-04-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 35 1/2 CORE samples submitted NOV-25-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
293704	<0.001	-
293705	<0.001	-
293706	<0.001	<0.001
293707	<0.001	-
293708	<0.001	-
293709	<0.001	-
293710	<0.001	-
293711	<0.001	-
293712	<0.001	-
293713	0.005	0.005
293714	<0.001	-
293715	<0.001	-
293716	<0.001	-
293717	<0.001	-
293718	<0.001	-
293719	<0.001	-
293720	<0.001	-
293721	<0.001	-
293951	0.004	-
293952	0.002	-
293953	<0.001	-
293954	0.002	-
293955	0.004	0.003
293956	0.022	0.018
293957	0.005	-
293958	0.002	-
293959	0.002	-
293960	0.001	0.001
293961	0.002	-
293962	0.001	-

P-2837

P-2838

45 - 1210 SC

Certified by Dennis Clute

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

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3617-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: DEC-08-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 41 1/2 CORE samples submitted NOV-27-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
293722	<0.001	-
293723	<0.001	-
293724	<0.001	-
293725	<0.001	-
293726	0.003	-
293727	0.005	-
293728	0.023	-
293729	0.044	0.042
293730	0.004	-
293731	0.003	-
293732	0.131	-
293733	0.339	0.354
293734	0.002	-
293735	0.095	-
293736	0.132	0.130
293737	0.019	-
293738	<0.001	-
293739	<0.001	-
293740	<0.001	-
293741	0.001	-
293742	0.017	-
293743	0.002	-
293744	<0.001	-
293745	<0.001	-
293746	<0.001	<0.001
291499	0.024	-
291500	<0.001	-
293305	0.005	-
293306	0.130	0.128
293307	<0.001	-

49 - 1210
SC

P-2838

Certified by Denis Chubey

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1211 Zone no: Contractor: Cabo B-20#3 Started: 21/10/2009
Canton : TECK Completed: 07/11/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14767.00N Azimuth: 322°30' 0"
Station: 1+62 N Longitude: 13705.00E Dip: 41° 0' 0"
Reference system : Elevation: -4489.00 Depth:1715.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
30.00 F	41° 0' 0"	321°30' "
200.00 F	40° 6' 0"	321°48' "
400.00 F	38°12' 0"	321°54' "
600.00 F	37°36' 0"	322°30' "
800.00 F	36°42' 0"	321°24' "
1000.00 F	34°54' 0"	322°42' "
1200.00 F	34°36' 0"	321°30' "
1450.00 F	33°36' 0"	322°30' "
1700.00 F	33° 6' 0"	322°30' "

Comments : Core stored at Macassa Mine

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

Logged by : SF & JJ Date logged: 07/11/2009 Hole no: 45-1211

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
0.00	67.80	TRACHYTE: Grey-brown. Massive, fine to coarse gr'd w/ fair to well developed pseudoleucite crystals. 1-3% qtz carb stgs & mnr bullish veining.										
		46.70 49.70 Wkly bl'd w/ 2-5% vfg-mg py.	293901	46.70	49.70	3.00	.001					
		67.40 68.40 Trachyte/porphyry contact.	293902	67.40	68.40	1.00	.001					
67.80	121.80	SYENITE PORPHYRY: Brown. Massive, fine to medium gr'd w/ fairly well developed feldspar phenos. 1-2% qtz carb stgs & mnr bullish veining. Natural contact @ 55 deg TCA.										
		104.10 105.40 Wkly bl'd w/ up to 4% fg-mg py.	293903	104.10	105.40	1.30	.001					
		105.40 108.40 As above.	293904	105.40	108.40	3.00	.001					
		108.40 110.90 As above.	293905	108.40	110.90	2.50	.001					
		121.20 122.50 Porphyry/trachyte contact.	293906	121.20	122.50	1.30	.001					
121.80	361.70	TRACHYTE: Continuation of the above unit. Natural, shallow contact.										
		160.00 170.00 11' of core.										
		361.50 362.70 sample across TRA-porphyry contact; porphyry wk'ly bl'd and sil'd with 1% fg'd disseminated py	293907	361.50	362.70	1.20	.001					
361.70	376.40	SYENITE PORPHYRY: Dark grey to brown, massive, mg'd-cg'd text'd porphyry; mod'ly developed phenos; minor mafic xenos; sharp upper contact dipping 78 DTCA										
		372.70 375.70 1-2% fg'd disseminated py in wk'ly bl'd	293908	372.70	375.70	3.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		porphyry										
		375.70 376.70 sample across porphyry-trachyte contact; 1-2% fg'd py in porphyry	293909	375.70	376.70	1.00	.001					
376.40	620.40	TRACHYTE: Greenish-grey, massive, fg'd text'd trachyte with vcg'd pseudoleucites; sharp upper contact dipping 56 DTCA	293910	476.00	477.00	1.00	.001					
		476.40 476.50 1/4" white qtz-crb vein with 1-2% fg'd py along contacts; minor amounts of 1/8" long needled black minerals, look like tourmaline, occurs within voids in vein; dip is @ 52 DTCA										
		619.90 620.90 Trachyte/porphyry contact.	293911	619.90	620.90	1.00	.001					
620.40	672.90	SYENITE PORPHYRY: Purlish-brown. Massive, fine to medium gr'd w/ faint feldspar phenos. 1-2% qtz carb stgs. Natural contact @ 34-54 deg TCA.										
		672.40 673.40 Porphyry/trachyte contact.	293912	672.40	673.40	1.00	.001					
672.90	845.30	TRACHYTE: Continuation of the above unit. Contact appears to be bound by a bx'd qtz carb vein & chl slip @ 50 deg TCA.										
		834.80 836.90 Chloritized trachyte w/ qtz carb stgs & tr-1% py.	293913	834.80	836.90	2.10	.001					
		844.80 845.80 Trachyte/tuff contact.	293914	844.80	845.80	1.00	.001					
845.30	873.40	TUFF: Dark grey-brown. Massive, fine to medium gr'd lapilli and sandy-natured tuff w/ 1-3% qtz carb stgs/vnlets. Natural contact @ 58 deg TCA.										
		860.50 861.50 Fresh tuff w/ localized bleaching & py'd.	293915	860.50	861.50	1.00	.013	.012	.013			

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		867.50 868.50 As above.	293916	867.50	868.50	1.00	.011					
		872.90 873.90 Tuff/porphyry contact.	293917	872.90	873.90	1.00	.001					
873.40	898.70	SYENITE PORPHYRY: Maroon. Massive, fine to medium gr'd w/ fairly well developed feldspar phenos. 1% qtz carb stgs. Natural contact @ 44 deg TCA.										
		890.10 891.20 Fresh porphyry w/ local bl'd & py'd associated w/ qtz carb chl stgs & veining.	293918	890.10	891.20	1.10	.019	.020	.018			
		898.20 899.20 Porphyry/tuff contact.	293919	898.20	899.20	1.00	.001					
898.70	918.90	TUFF: Continuation of the above unit. Natural contact @ 28-35 deg TCA.										
		918.40 919.40 Tuff/syenite contact.	293920	918.40	919.40	1.00	.001					
918.90	1046.00	BASIC SYENITE: Due to the similarity w/ the tuff, this contact is an approximation. Contact appears to be at least partially bound by qtz carb veining. Dip is @ 24 deg TCA. The syenite is dark greenish-grey. Massive, fine to medium gr'd w/ fairly well developed augite phenos. Mnr felsic ribbing up to 2". 1% qtz carb stgs & mnr bullish veining.							1000'		P-2837 P-2838		
		1039.101044.80 FELSIC RIB										
		1045.601046.60 Syenite/porphyry contact. 1045.90 1046.05 1.5" Qtz carb vein @ 47 deg TCA.	293921	1045.60	1046.60	1.00	.001					
1046.00	1105.30	SYENITE PORPHYRY: Beige-brown to maroon. Massive, fine to medium gr'd w/ faintlly developed feldspar phenos. 1-3%										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)							
		qtz carb stgs. Contact is bound by a 1.5" qtz carb vein @ 47 deg TCA.											
		1064.501065.50 Wkly bl'd w/ up to 3% vfg-mg py.	293922	1064.50	1065.50	1.00	.001						
		1071.601074.40 As above, w /mnr fragments of IDK. 1074.20 1074.70 5" Lense of IDK @ 41 deg TCA.	293923	1071.60	1074.40	2.80	.001						
		1104.801105.80 Porphyry/syenite contact.	293924	1104.80	1105.80	1.00	.001						
1105.30	1123.50	BASIC SYENITE: Continuation of the above unit. Natural contact @ 48 deg TCA.											
		1123.001124.00 Syenite/porphyry contact.	293925	1123.00	1124.00	1.00	.001						
1123.50	1176.90	SYENITE PORPHYRY: Continuation of the above unit. Faint phenocryst development. Natural contact @ 44-65 deg TCA.											
		1145.201146.20 Wkly bleached w/ carb/silicic breccia.	293926	1145.20	1146.20	1.00	.001						
1176.90	1184.70	INTERMEDIATE DYKE: Light green-grey. Massive, fine to medium gr'd w/ well preserved chilled margins. Contact @ 43-50 deg TCA.											
1184.70	1245.40	SYENITE PORPHYRY: Continuation of the above unit. Sharp, generally irregular contact.											
		1244.901245.90 Porphyry/syenite contact.	293927	1244.90	1245.90	1.00	.002						
1245.40	1628.00	BASIC SYENITE: Dark green-grey. Massive, fine to medium gr'd w/ generally poor augite pheno. development. 1% qtz carb stgs, mnr bullish veining & felsic ribs up to 4". Natural contact @ 52 deg TCA.											

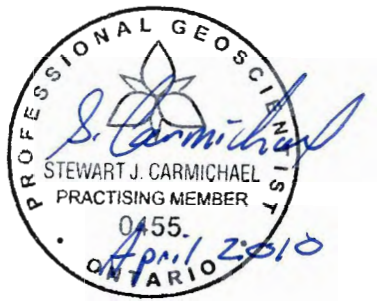
FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		1245.901248.70 Fresh syenite. Chk sample.	293928	1245.90	1248.70	2.80	.002					
		1248.701249.70 Wkly alt'd felsic ribbing w/ 1-2% fg-mg py.	293929	1248.70	1249.70	1.00	.021					
		1249.701252.30 Fresh syenite. Chk sample.	293930	1249.70	1252.30	2.60	.001					
		1252.30 1255.95 SHEAR ZONE: Wkly to mod sheared syenite w/ local sections of weak bleaching, py & ankeritic veining.	293931	1252.30	1254.40	2.10	.008					
			293932	1254.40	1256.10	1.70	.015			293933	Blank	.001
		1268.301269.70 Wkly alt'd syenite w/ felsic ribs & 1-2% disseminated py. Chk sample.	293934	1268.30	1269.70	1.40	.001					
		1269.701271.10 Weakly to mod bleached w/ 3-5% diss. py.	293935	1269.70	1271.10	1.40	.106	.109	.102			
		1271.101272.40 Wkly alt'd. Chk sample.	293936	1271.10	1272.40	1.30	.001					
		1271.60 1271.90 Weak discing.										
		1283.301284.30 Fresh syenite w/ local bl'd & 1-2% diss. py.	293937	1283.30	1284.30	1.00	.014					
			293751	1300.00	1301.50	1.50	.002					
		1301.501302.50 Fresh syenite w/ local bl'd & py.	293938	1301.50	1302.50	1.00	.136					
			293752	1302.50	1304.00	1.50	.001					
			293753	1304.00	1306.50	2.50	.031					
			293754	1306.50	1309.00	2.50	.001					
			293755	1309.00	1311.10	2.10	.001					
		1311.101312.20 Wkly mineralized. Chk sample.	293939	1311.10	1312.20	1.10	.147					
			293940	1312.20	1313.70	1.50	.234	.248	.220			
		1312.301315.30 MINERALIZED ZONE: Weakly to mod bleached syenite w/ up to										

19
4.3'

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		8% fg-mg disseminated py.										
		1313.20 1313.30 WEAK BREAK: Wkly bx'd, mineralized chloritic break @ 40 deg TCA.	293941	1313.70	1315.40	1.70	.169					
		1315.401316.60 Weakly mineralized. Chk sample.	293942	1315.40	1316.60	1.20	.011					
		1327.451330.05 Felsic rib										
		1338.50 1338.80 4" of ground core.										
		1354.00 1361.40 SHEAR ZONE: Lack of prominent augite pheno. development. Dip taken in a section of weakly to mod bx'd & mylonized chloritic + carb shearing @ 47 deg TCA. Local bl'd & py w/ qtz veining.										
		1354.301356.30 Weakly bleached w/ mnr qtz carb veining & up to 5% fg-mg disseminated py. *Due to ground & broken core, placement is suspect.*	293943	1354.30	1356.30	2.00	.037					
		1356.301358.60 Weakly alt'd. Chk sample.	293944	1356.30	1358.60	2.30	.006					
		1358.601359.60 Sapling the section of the shear zone w/ mylonized chl carb.	293945	1358.60	1359.60	1.00	.01					
		1366.001367.80 Sampling the weak shear & some felsic ribbing.	293946	1366.00	1367.80	1.80	.001					
		1367.35 1367.50 WEAK SHEAR: Weak chloritic shear @ 44 deg TCA.										
		1447.751449.55 Felsic Rib.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		1456.601457.60 Relatively fresh syenite w/ mnr carb veining & 1% sulphides. 1472.901476.75 Felsic Rib. 1488.251490.50 Felsic Rib. 1490.751495.40 Felsic Rib. 1542.95 1543.60 Weak to mod foliation @ 47-55 deg TCA. 1544.99 1545.00 CHLORITE SLIP: Discreet, slightly ground chloritic slip @ 80 deg TCA. 1573.301574.30 Weakly bleached w/ healed chlorite breccia @ 64 deg TCA & up to 4% fg-mg py. 1624.201625.20 Basic syenite w/ a weakly mineralized felsic rib. 1625.25 1625.60 Mnr amounts of weak discing. 1627.601628.60 Sampling the syenite/dyke contact. 1% py.	293947	1456.60	1457.60	1.00	.002					
			293948	1573.30	1574.30	1.00	.032					
			293949	1624.20	1625.20	1.00	.001					
			293950	1627.60	1628.60	1.00	.001					
1628.00	1629.80	MAFIC/LAMPROPHYRIC DYKE: Dark grey. Massive, fine to medium gr'd w/ a somewhat foliated, natural contact @ 58 deg TCA. 1628.601630.30 As above.	293701	1628.60	1630.30	1.70	.001					
1629.80	1715.00	BASIC SYENITE: Continuation of the above unit. Contact is somewhat obscured due to lost core. Somewhat foliated, natural contact.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)
		1715.001715.00				
		EOH				
		END OF HOLE				
		Total number of samples : 55				
		Total length sampled : 83.00				



Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3458-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: NOV-23-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 39 CORE samples submitted NOV-13-09 by .

Sample Number	Au oz/ton	Au Check oz/ton	Au Check oz/ton
293032	0.014	0.015	-
293033	0.004	-	-
293901	0.001	-	-
293902	<0.001	-	-
293903	<0.001	-	-
293904	<0.001	-	-
293905	<0.001	-	-
293906	<0.001	-	-
293907	<0.001	-	-
293908	<0.001	-	-
293909	<0.001	-	-
293910	<0.001	-	-
293911	<0.001	-	-
293912	<0.001	-	-
293913	<0.001	-	-
293914	<0.001	-	-
293915	0.012	0.013	-
293916	0.011	-	-
293917	<0.001	-	-
293918	0.020	0.018	-
293919	<0.001	-	-
293920	<0.001	-	-
293921	<0.001	-	-
293922	<0.001	-	-
293923	<0.001	-	-
293924	<0.001	-	-
293925	<0.001	-	-
293926	<0.001	-	-
291897	9.800	8.094	8.180
BLANK	<0.001	-	-
STD OxH66	0.037	-	

P-2837 P-2837 P-2838 50-1108 49-1211

Certified by Denis Charles

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

Assay Certificate

9W-3521-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: NOV-25-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 28 1/2 CORE samples submitted NOV-18-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
293092	<0.001	0.001
293093	0.002	-
293094	0.029	0.028
293095	<0.001	-
293096	0.008	-
293097	0.001	-
293098	0.002	-
293927	0.002	-
293928	0.002	-
293929	0.021	-
293930	<0.001	-
293931	0.008	-
293932	0.015	-
293933	<0.001	-
293934	0.004	-
293935	0.109	0.102
293936	<0.001	-
293937	0.014	-
293938	0.136	-
293939	0.147	-
293940	0.248	0.220
293941	0.169	-
293942	0.011	-
293943	0.037	-
293944	0.006	-
293945	0.010	-
293946	0.001	-
293947	0.002	-
BLANK	<0.001	-
STD OxH66	0.038	-

U7-1372

P-2838

U5-1211

Certified by Dennis Clarke

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Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3532-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: NOV-25-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 4 1/2 CORE samples submitted NOV-19-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
293948	0.028	0.036
293949	0.001	-
293950	<0.001	-
293701	<0.001	-
BLANK	<0.001	-
STD OxH66	0.038	-

P-2838

4/5·1211

Certified by Denis Chute

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Assay Certificate

9W-3617-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: DEC-08-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 41 1/2 CORE samples submitted NOV-27-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
293308	<0.001	-
293309	<0.001	-
293310	<0.001	-
293311	<0.001	-
293312	<0.001	<0.001
293313	0.002	-
293751	0.002	-
293752	<0.001	-
293753	0.031	-
293754	<0.001	-
293755	<0.001	-
BLANK	<0.001	-
STD OxH66	0.038	-

47-1769

P-2838

45-1211

Certified by Dennis Clutchey

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1212 Zone no: Contractor: CABO Started: 18/11/2009
Canton : TECK Completed: 30/11/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14764.00N Azimuth: 305° 0' 0"
Station: 1+62 N Longitude: 13703.00E Dip: 13° 0' 0"
Reference system : Elevation: -4491.00 Depth:1500.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
200.00 F	12°12' 0"	307°12' "
400.00 F	12°30' 0"	308°18' "
600.00 F	12° 0' 0"	305°48' "
800.00 F	11°54' 0"	309°18' "
1000.00 F	11°42' 0"	309°24' "
1200.00 F	11°18' 0"	308° 0' "
1500.00 F	11°24' 0"	309°54' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 02/01/2009 Hole no: 45-1212

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
0.00	27.80	TRACHYTE Dark green coarse-grained trachyte. Fresh, massive.										
27.80	55.30	PORPHYRY Grey medium-grained porphyry. Natural contacts.										
55.30	59.70	TRACHYTE Same as unit above porphyry. Natural contact.										
59.70	88.30	PORPHYRY Grey medium-grained porphyry.										
		86.70 89.00 Porphyry/trachyte contact, 4-5% pyrite in porphyry.	293756	86.70	89.00	2.30	.002	.001	.002			
88.30	146.50	TRACHYTE Dark grey/green coarse-grained trachyte. Fresh, massive.										
146.50	250.70	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact. 220.55 220.70 1.5" bullish qtz/chlorite vein, dip 74 deg to CA.	293757	220.00	221.00	1.00	.001					
250.70	276.70	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.										
276.70	410.90	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.										
410.90	497.00	PORPHYRY Dark brown fine-grained porphyry. Natural upper contact.										
497.00	520.00	TUFF Dark green fine-grained ash tuff. Natural upper contact.										
520.00	550.40	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		520.50 521.50 2 x 1/4" glassy qtz veins. Barren.	293758	520.50	521.50	1.00	.001					
550.40	566.20	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.						570'		P-2837 P-2838		
566.20	580.90	BASIC SYENITE										
580.90	589.60	PORPHYRY										
589.60	598.40	BASIC SYENITE										
598.40	614.30	BI-MODAL PORPHYRY Dark brown medium-grained porphyry. Moderately well developed bi-modal texture. Natural contacts.										
614.30	841.20	BASIC SYENITE										
		797.50 802.60 Felsic Rib										
			293759	809.50	812.30	2.80	.001					
			293760	812.30	815.00	2.70	.007					
			293761	815.00	816.10	1.10	.004					
		815.80 816.00 2" bleached syenite, 3-4% pyrite, dip 45 deg to CA.										
		816.10 817.80 40% bullish qtz/carb veining. Trace pyrite.	293762	816.10	817.80	1.70	.001					
			293763	817.80	819.00	1.20	.001					
		818.00 818.50 Bullish carb vein, barren.										
			293764	819.00	821.00	2.00	.001					
841.20	844.90	DIABASE DYKE Magnetic, chilled contacts.										
844.90	972.70	BASIC SYENITE Same as unit above diabase.										
		935.00 938.00 Felsic rib, 3% diss pyrite.	293765	935.00	938.00	3.00	.048	.044	.051			

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
972.70	1089.00	PORPHYRY Dark brown fine-grained porphyry. Natural upper contact.										
		1036.701038.50 Bleached porphyry, minor qtz/car stringers, nil pyrite.	293766	1036.70	1038.50	1.80	.038					
			293767	1088.00	1089.10	1.10	.012	.012	.011			
		1088.40 1089.00 Bleached porphyry mineralized with 8% pyrite leading to syenite contact.										
1089.00	1445.50	BASIC SYENITE Dark green medium-grained syenite. Upper contact mineralized.	293768	1140.00	1143.00	3.00	.001					
			293769	1143.00	1146.00	3.00	.001					
			293770	1146.00	1149.00	3.00	.003					
			293771	1149.00	1150.40	1.40	.019					
		1149.40 1150.20 Slightly altered, 8% pyrite, dip 62 deg to CA.										
			293772	1150.40	1153.00	2.60	.001					
			293773	1153.00	1156.00	3.00	.001					
			293774	1156.00	1157.50	1.50	.009	.009	.009			
		1157.00 1157.20 2" mineralized with 8% pyrite.										
			293775	1157.50	1160.00	2.50	.001					
		1160.001161.50 2-3% diss pyrite.	293776	1160.00	1161.50	1.50	.034	.033	.034			
			293777	1161.50	1164.00	2.50	.047					
			293778	1164.00	1165.50	1.50	.051					
		1164.70 1164.90 8% pyrite. Mineralization cut by dyke.										
		1164.90 1165.50 5" intermediate dyke.										
		1165.50 1165.80 10% diss pyrite.	293779	1165.50	1166.50	1.00	.070	.072	.068	293780	blank	.001
			293781	1166.50	1169.00	2.50	.008					
		1169.001176.60 SHEAR ZONE Strongly foliated chlorite shear zone,	293782	1169.00	1171.50	2.50	.001					
			293783	1171.50	1174.00	2.50	.001					
			293784	1174.00	1176.60	2.60	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		dip 61 deg to CA.	293785	1176.60	1179.00	2.40	.001				
		1187.501192.60									
		Felsic Rib									
			293786	1225.00	1227.00	2.00	.001				
			293787	1227.00	1228.00	1.00	.001				
		1227.40 1227.50									
		Shear, dip 70 deg to CA.									
			293788	1228.00	1230.50	2.50	.001				
		1230.001232.80	293789	1230.50	1232.80	2.30	.001				
		Sheared foliated syenite, dip 64 deg to CA.	293790	1232.80	1235.50	2.70	.034	.033			
		1234.001285.60									
		FELSIC RIB									
		Vaery large rib, may be felsic syenite.									
			293791	1299.40	1301.50	2.10	.001				
		1299.90 1300.00									
		1" chlorite/carb shear, dip 52 deg to CA.									
		1324.501340.00									
		Felsic Rib									
			293792	1401.40	1402.50	1.10	.001				
		1402.501410.30	293793	1402.50	1405.00	2.50	.001				
		SHEAR ZONE	293794	1405.00	1407.00	2.00	.001				
		Slightly bleached foliated basic syenite.									
		Dip 60-64 deg to CA.									
		1407.00 1409.00	293795	1407.00	1409.00	2.00	.001	.001	.001		
		Shear Zone, dip 64 deg to CA.									
			293796	1409.00	1410.30	1.30	.001				
1445.50	1449.50	DIABASE DYKE									
		Chilled contacts.									
1449.50	1466.90	BASIC SYENITE									
		Continuation of unit above diabase.									
1466.90	1472.00	DIABASE DYKE									
		Fine-grained diabse. Chilled contacts.									
1472.00	1500.00	BASIC SYENITE									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)
		1500.00 1500.00 End of Hole END OF HOLE Total number of samples : 40 Total length sampled : 82.20				



Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3691-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: DEC-15-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 46 1/2 CORE samples submitted DEC-04-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
295801	0.019	-
293802	<0.001	-
295803	0.010	-
295804	0.002	-
295805	<0.001	-
295806	0.001	-
295807	0.031	0.028
295808	0.003	-
295809	<0.001	-
295810	0.005	-
295811	0.003	-
293756	0.001	0.002
293757	<0.001	-
293758	<0.001	-
293759	<0.001	-
293760	0.007	-
293761	0.004	-
293762	<0.001	-
293763	<0.001	-
293764	<0.001	-
293765	0.044	0.051
293766	0.038	-
293767	0.012	0.011
293768	<0.001	-
293769	<0.001	-
293770	0.003	-
293771	0.019	-
293772	<0.001	-
293773	<0.001	-
293774	0.009	0.009

P-2837

P-2838

Certified by Denis Chute

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

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-3691-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: DEC-15-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 46 1/2 CORE samples submitted DEC-04-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
293775	0.001	-
293776	0.033	0.034
293777	0.047	-
293778	0.051	-
293779	0.072	0.068
293780	<0.001	-
293781	0.008	-
293782	0.001	-
293783	<0.001	-
293784	<0.001	-
293785	<0.001	-
293786	<0.001	-
293787	<0.001	-
293788	<0.001	-
293789	<0.001	-
293790	0.033	0.034
BLANK	<0.001	-
STD OxH66	0.038	-

P-2838

45 H 12

Certified by Denis Chubb

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Assay Certificate

9W-3796-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: JAN-04-10

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 25 1/2 CORE samples submitted DEC-17-09 by .

P-2838

Sample Number	Au oz/ton	Au Check oz/ton
293791	<0.001	-
293792	<0.001	-
293793	<0.001	-
293794	<0.001	-
293795	0.001	<0.001
293796	<0.001	-
295931	<0.001	-
295932	0.001	-
295933	<0.001	-
295934	0.002	-
295935	<0.001	-
295936	0.002	-
295937	<0.001	-
295938	<0.001	-
295939	<0.001	-
295940	0.009	-
295941	0.644	0.640
295942	0.025	-
295943	0.008	-
295944	0.004	-
295945	0.006	-
295946	0.055	-
295947	0.005	-
295948	0.004	-
295949	0.024	-
BLANK	<0.001	-
STD OxH66	0.037	-

45-1712

47-1444

Certified by Denis Chubb

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CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1213 Zone no: Contractor: CABO Started: 30/11/2009
Canton : TECK Completed: 10/12/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630 Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14764.00N Azimuth: 302° 0' 0"
Station: 1+62 N Longitude: 13703.00E Dip: 19° 0' 0"
Reference system : Elevation: -4491.00 Depth:1600.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
200.00 F	19° 6' 0"	304°30' "
400.00 F	18°36' 0"	306°18' "
600.00 F	18°24' 0"	307°30' "
800.00 F	17°30' 0"	307°42' "
1000.00 F	17°30' 0"	307° 6' "
1200.00 F	17° 6' 0"	308°36' "
1400.00 F	17°18' 0"	308°36' "
1600.00 F	17°48' 0"	311°24' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 29/12/2009 Hole no: 45-1213

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
0.00	34.50	TRACHYTE Dark olive green coarse-grained trachyte.					
34.50	62.60	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.	297251	55.00	56.50	1.50	.001
		55.75 55.76 Tight chlorite shear, dip 44 deg to CA.					
62.60	64.50	TRACHYTE Same as above porphyry.					
		63.10 66.10 Trachyte/porphyry contact, 2-3% pyrite in both trachyte and porphyry.	297252	63.10	66.10	3.00	.001
64.50	66.10	PORPHYRY 2-3% diss pyrite.					
66.10	77.60	TRACHYTE					
77.60	104.10	PORPHYRY					
		103.00 105.00 Porphyry/trachyte contact. 2-3% pyrite.	297253	103.00	105.00	2.00	.001
104.10	215.10	TRACHYTE					
		183.00 188.00 Slightly altered, 1-2% pyrite.	297254 297255	183.00 186.00	186.00 188.00	3.00 2.00	.001 .001
215.10	222.40	PORPHYRY Brick red medium-grained porphyry.					
222.40	223.10	TRACHYTE Naarow lens of trachyte.					
223.10	257.60	BASIC SYENITE Dark green coarse-grained basic syenite. Fresh, massive.					
257.60	285.80	PORPHYRY Dark brown coarse-grained porphyry. Sharp natural upper contact.					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
285.80	353.00	BASIC SYENITE Same as syenite above porphyry.										
353.00	465.70	TRACHYTE Sharp natural upper contact.										
465.70	492.00	TUFF Dark green fine-grained ash tuff. Natural upper contact.										
492.00	603.50	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.						510'	P-2837 P-2838			
603.50	609.10	TUFF Naarow lens of ash tuff.										
609.10	627.60	PORPHYRY Continuation of unit above tuff.										
627.60	633.00	BASIC SYENITE										
633.00	650.10	TUFF Dark green fine-grained ash tuff. 637.60 637.80 1" chlorite/carb shear, dip 34 deg to CA. Trace pyrite.	297256	636.10	638.10	2.00	.001					
650.10	679.00	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.										
679.00	682.70	PORPHYRY										
682.70	1037.20	BASIC SYENITE 733.50 733.70 Strong chlorite/carb shear, dip 44 deg to CA. 1-2 pyrite. 848.20 850.20 Intermediate Dyke. 854.30 854.90 Intermediate Dyke	297257	733.00	734.00	1.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		926.00 928.50 Weakly sheared/foliated syenite. Nil pyrite.	297258	926.00	928.50	2.50	.006	.005	.007			
		997.30 999.00 Weakly sheared/foliated basic syenite. Nil pyrite.	297259	997.30	999.00	1.70	.005					
1037.20	1183.60	PORPHYRY Dark brown fine-grained porphyry. Natural upper contact.										
1183.60	1190.20	BASIC SYENITE Dark grren fine-grained basic syenite. Weak foliation throughout. Trace pyrite.	297260 297261 297262	1183.60 1186.00 1188.50	1186.00 1188.50 1190.20	2.40 2.50 1.70	.001 .001 .001					
1190.20	1196.30	PORPHYRY Dark brown medium-grained porphyry. Sheared lower contact.	297263	1196.00	1197.00	1.00	.001					
1196.30	1334.80	BASIC SYENITE Uppper contact with porphyry sheared. 1196.30 1196.40 Strong chlorite/carb shear at contact. Dip 67 deg to CA.										
		1197.701206.00 Felsic Rib	297264 297265	1206.00 1208.00	1208.00 1209.00	2.00 1.00	.001 .002					
		1208.40 1208.42 Tight qtz/chlorite shear, dip 52 deg to CA. Trace pyrite.	297266 297267 297268	1209.00 1212.00 1214.00	1212.00 1214.00 1216.20	3.00 2.00 2.20	.002 .006 .024					
		1216.201230.30 MINERALIZED ZONE (Narrows) Slightly altered, lighter grey in color basic syenite. Locally mineralized with up to 4-5% pyrite. 1216.60 1216.80 8% pyrite	297269 297271	1216.20 1217.20	1217.20 1219.50	1.00 2.30	.089 .019			297270	blank	.001

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
			297272	1219.50	1220.70	1.20	.037					
			297273	1220.70	1222.00	1.30	.066	.068	.064			
		1221.75 1221.80 Chlorite fault, dip 54 deg to CA.										
			297274	1222.00	1224.50	2.50	.004					
			297275	1224.50	1227.00	2.50	.007					
			297276	1227.00	1228.60	1.60	.002					
			297277	1228.60	1230.30	1.70	.011					
			297278	1230.30	1233.00	2.70	.001					
			297279	1233.00	1236.00	3.00	.001					
			297280	1236.00	1239.00	3.00	.001					
			297281	1300.00	1303.00	3.00	.001					
			297282	1303.00	1305.50	2.50	.001	.001	.001			
			297283	1305.50	1307.00	1.50	.001					
			297284	1307.00	1308.30	1.30	.001					
		1307.60 1308.30 Minor bullish qtz/carb stringers.	297285	1308.30	1310.00	1.70	.001					
			297286	1310.00	1311.50	1.50	.001					
1334.80	1344.00	DIABASE DYKE Chilled contacts.										
1344.00	1420.00	BASIC SYENITE Continuation of unit above diabase.										
		1344.001352.10 Felsic Rib										
1420.00	1428.80	DIABASE DYKE Chilled contacts.										
1428.80	1600.00	BASIC SYENITE Same as unit above diabase.										
		1600.001600.00 End of Hole										
		END OF HOLE										
		Total number of samples : 35 Total length sampled : 70.80										

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Established 1928

Assay Certificate

0W-0049-RA1

A10-053

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 15-Jan-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 46 core samples submitted 07-Jan-10 by Stewart Carmichael

Sample Number	Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
293797	0.023	0.019		
293798	0.007			
293799	< 0.001			
293800	< 0.001			
297251	0.001			
297252	0.001			
297253	< 0.001			
297254	< 0.001			
297255	< 0.001			
297256	< 0.001			
297257	< 0.001			
297258	0.005	0.007		
297259	0.005			
297260	< 0.001			
297261	< 0.001			
297262	< 0.001			
297263	< 0.001			
297264	< 0.001			
297265	0.002			
297266	0.002			
297267	0.006			
297268	0.024			
297269			0.097	0.080
297270	< 0.001			
297271	0.019			

P-2837

P-2838

Certified by Denis Chartre

Denis Chartre

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Telephone (705) 642-3244 Fax (705) 642-3300

Swastika Laboratories Ltd

ed 1928

Assaying - Consulting - Representation

Assay Certificate

0W-0049-RA1

A10-053

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 15-Jan-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 46 core samples submitted 07-Jan-10 by Stewart Carmichael

Sample Number	Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
297272			0.037	
297273			0.068	0.064
297274	0.004			
297275	0.007			
297276	0.002			
297277	0.011			
297278	< 0.001			
297279	< 0.001			
297280	< 0.001			
297281	< 0.001			
297282	< 0.001	< 0.001		
297283	< 0.001			
297284	< 0.001			
297285	< 0.001			
297286	< 0.001			
294730			0.019	
294731	< 0.001			
294732	0.002			
294733	0.012			
294734	< 0.001			
294735	0.018	0.016		

P-2838

45 - 1213

53 - 1520

5604

Certified by Denis Chartre

Denis Chartre

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CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1214 Zone no: Contractor: CABO Started: 14/12/2009
Canton : TECK Completed: 22/12/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14762.00N Azimuth: 292° 0' 0"
Station: 1+62 N Longitude: 13703.00E Dip: -9° 0' 0"
Reference system : Elevation: -4493.00 Depth:1600.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
200.00 F	-8°48' 0"	295°18' "
400.00 F	-7°42' 0"	299°18' "
600.00 F	-6°48' 0"	299° 6' "
800.00 F	-6°12' 0"	300°36' "
1000.00 F	-5°24' 0"	305°24' "
1200.00 F	-4°42' 0"	307° 6' "
1400.00 F	-3°54' 0"	304°36' "
1600.00 F	-3° 6' 0"	304°12' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 22/01/2010 Hole no: 45-1214

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
0.00	25.50	TRACHYTE Dark grey/green coarse-grained trachyte.										
25.50	73.50	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.										
		25.60 27.50 2-3% diss pyrite.	299643	25.60	27.50	1.90	.001					
73.50	83.30	TRACHYTE										
83.30	89.40	PORPHYRY										
89.40	102.40	TRACHYTE										
102.40	144.00	TUFF Dark green fine-grained ash and lapilli tuff. Natural upper contact.										
144.00	198.60	BASIC SYENITE Dark green medium-grained basic syenite. Poorly defined upper contact.										
198.60	205.70	PORPHYRY Natural contacts.										
205.70	246.60	BASIC SYENITE Same as above porphyry.										
246.60	275.80	PORPHYRY										
275.80	392.90	BASIC SYENITE 289.70 289.90 Chlorite/carb shear, dip 40 deg to CA. Trace cpy.	299644	289.00	290.00	1.00	.001					
392.90	415.90	PORPHYRY							476		P-2837	
415.90	480.40	BASIC SYENITE									P-2838	
480.40	496.50	PORPHYRY										
496.50	526.90	BASIC SYENITE										
526.90	534.90	PORPHYRY										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
534.90	760.00	BASIC SYENITE									
760.00	763.70	INTERMEDIATE DYKE Chilled contact.									
763.70	766.10	BASIC SYENITE									
766.10	768.10	INTERMEDIATE DYKE Chilled contact.									
768.10	942.70	BASIC SYENITE	299645	874.00	875.10	1.10	.001				
			299646	875.10	876.10	1.00	.013	.012	.013		
		875.20 875.30 1" chlorite shear, 6-8% pyrite, dip 50 deg to CA.									
			299647	876.10	877.10	1.00	.001				
		916.20 942.70 FELSIC RIB									
942.70	1069.70	PORPHYRY Sharp natural upper contact.									
1069.70	1339.30	BASIC SYENITE Dark green coarse-grained basic syenite. Natural upper contact.									
		1130.001131.10 1% diss pyrite.	299648	1130.00	1131.10	1.10	.004				
			299649	1144.50	1145.50	1.00	.001				
			299650	1145.50	1146.50	1.00	.012				
		1145.70 1145.72 Pyritic shear, dip 35 deg to CA.									
			299451	1146.50	1149.50	3.00	.001				
			299452	1149.50	1151.00	1.50	.001				
		1151.001152.00 2-3% pyrite.	299453	1151.00	1152.00	1.00	.005	.005	.005		
			299454	1152.00	1154.50	2.50	.001				
			299455	1154.50	1157.00	2.50	.001				
			299456	1157.00	1160.00	3.00	.001				
			299457	1160.00	1161.10	1.10	.001				
		1161.101162.10 MINERALIZED ZONE Bleached altered basic syenite. Locally									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		mineralized with up to 10% pyrite.									
		1161.10 1161.90	299458	1161.10	1162.10	1.00	.098				
		8-10% pyrite.	299459	1162.10	1163.80	1.70	.304	.325	.282		
		1162.50 1162.70									
		Chlorite carbonate shear, dip 67 deg to CA.									
			299460	1163.80	1166.00	2.20	.001				
			299461	1166.00	1169.00	3.00	.001				
			299462	1169.00	1170.50	1.50	.001				
			299463	1170.50	1173.00	2.50	.001				
			299464	1173.00	1174.60	1.60	.003				
			299465	1174.60	1175.70	1.10	.001	.001	.001		
			299466	1175.70	1178.00	2.30	.001				
			299467	1178.00	1180.50	2.50	.001				
			299468	1180.50	1183.00	2.50	.001				
			299469	1225.00	1226.20	1.20	.001				
		1225.45 1225.46									
		Weak chlorite shear, dip 41 deg to CA.									
			299470	1240.00	1241.00	1.00	.001	.001	.001		
			299471	1241.00	1243.00	2.00	.001				
		1241.701243.00									
		Strong chlorite shear, dip 38 deg to CA.									
		Trace pyrite.									
			299472	1243.00	1246.00	3.00	.001				
			299473	1246.00	1249.00	3.00	.001				
			299474	1249.00	1252.00	3.00	.001				
			299475	1252.00	1254.00	2.00	.001				
		1253.50 1253.70									
		Chlorite shear, dip 46 deg to CA.									
		1284.101311.00									
		Felsic Rib									
1339.30	1344.80	DIABASE DYKE									
		Fine-grained massive diabase. Chilled contacts.									
1344.80	1600.00	BASIC SYENITE	299476	1426.10	1427.20	1.10	.007	.007	.007		
		Same as unit above diabase.									
		1426.70 1426.80									
		1" carb vein, dip 33 deg to CA.									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
		2-3% pyrite.					
			299477	1433.00	1434.00	1.00	.001
		1433.20 1433.30 Weak chlorite shear, dip 58 deg to CA.					
		1600.001600.00 End of Hole					
		END OF HOLE					
		Total number of samples : 35 Total length sampled : 62.90					



Swastika Laboratories Ltd

Assaying - Consulting - Representation

Established 1928

Assay Certificate

Certificate Number: 10-209

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 29-Jan-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 57 core samples submitted 25-Jan-10 by Stewart Carmichael

Sample Number		Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
299646	1	0.012	0.013		
299647	1	< 0.001			
299648	1	0.004			
299649	1	< 0.001			
299650	1	0.012			
299451		< 0.001			
299452		< 0.001			
299453	1	0.005	0.005		
299454		< 0.001			
299455		< 0.001			
299456		< 0.001			
299457	1	< 0.001			
299458	1			0.098	
299459				0.325	0.282
299460		< 0.001			
299461		< 0.001			
299462		0.001			
299463		< 0.001			
299464		0.003			
299465	1	< 0.001	< 0.001		
299466		< 0.001			
299467		< 0.001			
299468		< 0.001			
299469	1	< 0.001			
299470	1	< 0.001	< 0.001		

45-1214

P-2838

45-1214

SC

47 ?

45-1214

1. No Reject

Certified by Denis Chartre

Denis Chartre

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

Assay Certificate

Certificate Number: 10-209

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 29-Jan-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 57 core samples
submitted 25-Jan-10 by Stewart Carmichael

Sample Number		Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
299471		< 0.001			
299472		< 0.001			
299473		< 0.001			
299474		< 0.001			
299475		< 0.001			
299476	1	0.007	0.007		
299477	1	< 0.001			
Blank Value		< 0.001			
OxH66		0.037			

U.S. + 12.14

1. No Reject

Certified by Denis Chartre

Denis Chartre

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1215 Zone no: Contractor: CABO Started: 31/08/2009
Canton : TECK Completed: 15/09/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : 4500 Section: 1630E Working offic Macassa

Collar coordonate : Line : 16+30 E Latitude: 14765.00N Azimuth: 286° 0' 0"
Station: 1+62 N Longitude: 13704.00E Dip: -16° 0' 0"
Reference system : Elevation: -4491.00 Depth:1607.00

Deviation tests :

Depth	Dip	Az Truth
50.00 F	-14°36' 0"	285°48' "
300.00 F	-13°48' 0"	289° 6' "
500.00 F	-13° 6' 0"	289°48' "
700.00 F	-11°54' 0"	292°24' "
900.00 F	-11°42' 0"	290°18' "
1150.00 F	-11°48' 0"	297°24' "
1300.00 F	-11°42' 0"	298°30' "
1600.00 F	-11° 6' 0"	298° 0' "

Comments : Core stored at Macassa #3 shaft

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

Logged by : SF/SC Date logged: 21/09/2009 Hole no: 45-1215

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
0.00	25.10	TRACHYTE: Brown to beige-brown. Massive, fine to coarse gr'd w/ fair to well developed pseudoleucite crystals.										
		24.60 25.60 Trachyte/syenite contact.	287552	24.60	25.60	1.00	.001					
25.10	27.50	BASIC SYENITE: Mnr unit of basic syenite. Natural, chilled contact @ 55 deg TCA.										
		25.60 26.90 Fresh syenite. Chk sample.	287553	25.60	26.90	1.30	.001					
		26.90 27.90 Syenite/porphyry contact.	287554	26.90	27.90	1.00	.001					
27.50	72.20	SYENITE PORPHYRY: Brown to grey-brown. Massive, fine to med gr'd w/ fair to well devl'd feldspar phenos. Natural contact @ 49 deg TCA.										
		71.60 72.60 Porphyry/trachyte contact.	287555	71.60	72.60	1.00	.001					
		72.00 72.20 Irregular, fully healed chl fault breccia @ contact b/w P & TRA. Dip is generally irregular; @ ~78 deg TCA.										
72.20	95.70	TRACHYTE: Continuation of the above unit. Contact bound by an irregular fault breccia @ 64-77 deg TCA.										
		79.10 81.50 Weakly bl'd w/ up to 3% fg-mg py.	287556	79.10	81.50	2.40	.001					
		81.50 83.60 As above, w/ mnr qtz carb veining.	287557	81.50	83.60	2.10	.001					
		83.60 84.70 Sampling the breccia; trachyte is weakly bl'd w/ up to 3% py.	287558	83.60	84.70	1.10	.001					
		84.00 84.10 Mnr chlorite breccia; generally @ 42 deg TCA.										

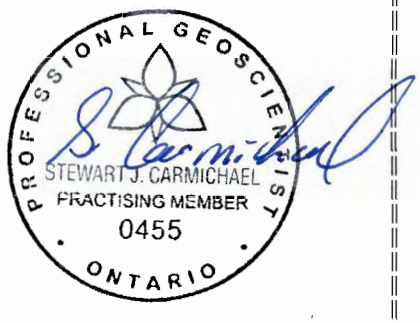
FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		95.10 96.10 Trachyte/porphyry contact.	287559	95.10	96.10	1.00	.001					
95.70	103.20	SYENITE PORPHYRY: Continuation of the above unit. Natural contact @ 59-62 deg TCA.										
		102.70 103.70 Porphyry/trachyte contact.	287560	102.70	103.70	1.00	.001					
103.20	127.30	TRACHYTE: Continuation of the above unit. Natural contact w/ mnr breccia. Dip is @ 71 deg TCA.										
		126.80 127.80 Trachyte/syenite contact.	287561	126.80	127.80	1.00	.001	.001	.001			
127.30	197.30	BASIC SYENITE: Dark grey to black. Massive, fine to medium gr'd w/ genrally poor augite phenocryst development. Natural contact @ 54 deg TCA.										
197.30	202.30	SYENITE PORPHYRY: Greyish-brown. Massive, fine to medium gr'd w/ fair to well developed feldspar phenos. Natural contact @ 46-55 deg TCA.										
202.30	253.70	BASIC SYENITE: Continuation of the above unit. Natural contact @ 50-61 deg TCA.										
253.70	285.50	SYENITE PORPHYRY: Continuation of the above unit. Natural contact sub-vertical TCA. 257.90 258.40 Mnr, weak chlorite/spec hem & carb breccia. Leading edge is @ 40 deg TCA.										
285.50	383.80	BASIC SYENITE: Green-grey. Massive, fine to medium gr'd w/ fair to well developed augite phenos. Felsic ribs up to 1/2". Natural contact @ 47-68 deg TCA. 292.50 293.00 Weak chlorite carb breccia @ 47-60 deg TCA.	287562	292.40	293.40	1.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
383.80	400.40	SYENITE PORPHYRY: Brown. Massive, fine to medium gr'd w/ fair to well developed feldspar phenos. Mnr bullish veining. Natural contact @ 64 deg TCA.										
400.40	482.90	BASIC SYENITE: Continuation of the above unit. Natural contact @ 77 deg TCA.										
482.90	488.10	SYENITE PORPHYRY: Continuation of the above unit. Natural contact @ 67-75 deg TCA.										
488.10	560.60	BASIC SYENITE: Continuation of the above unit. Natural contact @ 35 deg TCA. 513.60 513.70 1" chlorite/carb shear, dip 54 deg to CA.	287563	513.10	514.10	1.00	.009		540'	P-2837 P-2838		
560.60	570.70	PORPHYRY Medium-grained fresh feldspar porphyry. Natural contact.										
570.70	906.00	BASIC SYENITE Same as unit above porphyry. 754.30 755.60 Intermediate dyke. Dark green, fine-grained. 763.40 766.80 MAFIC DYKE Dark green fine-grained dyke. Appears to be more mafic than intermediate dyke above.										
906.00	911.30	PORPHYRY Dark brown fine-grained porphyry. Natural contacts.										
911.30	983.70	BASIC SYENITE Same as unit above porphyry. 967.70 983.70 FELSIC RIB Light brown medium-grained felsic rib.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		Gradational upper contact.									
983.70	1111.50	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact with felsic rib.	287564	1021.00	1022.00	1.00	.002				
		1021.50 1021.70 2" bleached porphyry, 1-2% pyrite.									
			287565	1031.00	1033.00	2.00	.003				
		1031.50 1031.52 1/2" qtz/chlorite vein, dip 27 deg to CA. Trace pyrite.									
1111.50	1212.20	BASIC SYENITE Dark green coarse-grained basic syenite. Natural upper contact.									
		1139.001154.50 Felsic Rib									
		1169.001170.00 Weakly sheared, trace pyrite.	287566	1169.00	1170.00	1.00	.005	.004	.006		
		1173.001174.80 Weakly sheared, trace pyrite.	287567	1173.00	1174.80	1.80	.001				
1212.20	1217.90	DIABASE DYKE Fine-grained magnetic with chilled contacts.									
1217.90	1223.60	BASIC SYENITE									
1223.60	1227.20	DIABASE DYKE									
1227.20	1278.80	BASIC SYENITE	287568	1227.20	1228.20	1.00	.093	.093	.092		
		1228.001229.00 12" diabase dyke.									
		1229.001230.30	287569	1229.00	1230.30	1.30	.103	.097	.108		
		Bleached basic syenite, trace pyrite.	287570	1230.30	1233.00	2.70	.027				
		1233.001234.20	287571	1233.00	1234.20	1.20	.088	.086	.089		
		Slightly bleached, 1-2% pyrite.	287572	1234.20	1236.30	2.10	.003				
			287573	1236.30	1238.50	2.20	.004				
			287574	1257.00	1258.00	1.00	.001				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		1257.50 1257.60 1" chlorite fault, dip 64 deg to CA.										
		1261.801270.00 Felsic Rib										
1278.80	1284.70	DIABASE DYKE Fine-grained diabase, chilled contacts.										
1284.70	1607.00	BASIC SYENITE Same as unit above diabase.										
		1327.001330.00 Fresh syenite.	287592	1327.00	1330.00	3.00	.001					
		1330.001332.50 As above; some foliation noted, @ 60 deg TCA.	287593	1330.00	1332.50	2.50	.001					
		1332.501335.00 As above; some foliation noted, @ 50-60 deg TCA.	287594	1332.50	1335.00	2.50	.001					
			287595	1335.00	1337.50	2.50	.001					
		1336.001346.50 Felsic Rib	287596	1337.50	1340.00	2.50	.001					
		1338.35 1338.70 Mnr amnts of discing.										
		1339.00 1339.40 3.5" Bx'd carb chl vein @ 30-38 deg TCA.	287575	1374.00	1375.60	1.60	.001					
		1375.601381.00 ALTERATION ZONE Dark orange altered basic syenite. Trace pyrite.	287576	1375.60	1377.10	1.50	.001					
		1376.30 1376.31 Tight chlorite fault, dip 60 deg to CA.	287577	1377.10	1379.00	1.90	.001					
			287578	1379.00	1381.00	2.00	.001					
			287579	1381.00	1384.00	3.00	.001					
			287580	1384.00	1387.00	3.00	.001					
			287581	1435.00	1436.50	1.50	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
		1436.501437.80	287582	1436.50	1437.80	1.30	.001				
		BREAK	287583	1437.80	1440.00	2.20	.001	.001	.001		
		Strongly sheared and deformed basic syenite. Chloritc alteration/shearing, 1" bullish qtz/carb vein. Trace pyrite. Dip 48 deg to CA.									
		1489.601490.60	287584	1489.60	1490.60	1.00	.005				
		Slightly bleached, 1% pyrite.									
		1510.001528.50	287585	1510.00	1513.00	3.00	.002				
		SHEAR ZONE	287586	1513.00	1514.00	1.00	.001				
		Moderately foliated basic syenite, slightly bleached with chloritic alteration. Trace pyrite.									
		1513.40 1513.45									
		1/4" qtz vein, dip 48 deg to CA.									
		Bleached contacts. Trace pyrite.									
			287587	1514.00	1517.00	3.00	.001				
		1515.80 1515.90									
		1" shear, dip 44 deg to CA.									
			287588	1517.00	1520.00	3.00	.001				
			287589	1520.00	1523.00	3.00	.001	.001	.001		
			287590	1523.00	1526.00	3.00	.001				
			287591	1526.00	1528.50	2.50	.001				
		1607.001607.00									
		End of Hole									
		END OF HOLE									
		Total number of samples : 45									
		Total length sampled : 82.70									



Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-2984-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: OCT-09-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 45 1/2 CORE samples submitted OCT-01-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
287552	<0.001	-
287553	<0.001	-
287554	<0.001	-
287555	<0.001	-
287556	<0.001	-
287557	<0.001	-
287558	<0.001	-
287559	<0.001	-
287560	<0.001	-
287561	<0.001	<0.001
287562	<0.001	-
287563	0.009	-
287564	0.002	-
287565	0.003	-
287566	0.004	0.006
287567	<0.001	-
287568	0.093	0.092
287569	0.097	0.108
287570	0.027	-
287571	0.086	0.089
287572	0.003	-
287573	0.004	-
287574	<0.001	-
287575	<0.001	-
287576	<0.001	-
287577	<0.001	-
287578	<0.001	-
287579	<0.001	-
287580	<0.001	-
287581	<0.001	-

~~45-215~~

45-215

P-2837

P-2838

Certified by Dennis Lutes

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

Assay Certificate

9W-2984-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: OCT-09-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 45 1/2 CORE samples submitted OCT-01-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
287582	<0.001	-
287583	<0.001	<0.001
287584	0.005	-
287585	0.002	-
287586	<0.001	-
287587	<0.001	-
287588	<0.001	-
287589	<0.001	<0.001
287590	<0.001	-
287591	<0.001	-
287592	<0.001	-
287593	<0.001	-
287594	<0.001	-
287595	<0.001	-
287596	<0.001	-
BLANK	<0.001	-
STD OxH66	0.038	-

Certified by

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1216 Zone no: Contractor: CABO Started: 03/08/2009
Canton : TECK Completed: 12/08/2009
Lot : Rang : Claim no: P-2837

Puit # : Level : 4500 Section: 1600 East Working officMacassa

Collar coordonate : Line : 16+30 E Latitude: 14765.00N Azimuth: 316°30' 0"
Station: 1+62 N Longitude: 13704.00E Dip: 28° 0' 0"
Reference system : Elevation: -4491.00 Depth:1510.60

REFLEX

Deviation tests :

Depth	Dip	Az Truth
50.00 F	28° 0' 0"	313° 6' "
100.00 F	27°42' 0"	314°48' "
200.00 F	27°18' 0"	315°48' "
400.00 F	27° 0' 0"	314°48' "
700.00 F	26° 0' 0"	317°18' "
900.00 F	25°42' 0"	315°24' "
1100.00 F	25°24' 0"	316°48' "
1300.00 F	25°24' 0"	316°48' "
1510.00 F	25° 0' 0"	317°48' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 12/08/2009 Hole no: 45-1216

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
0.00	44.40	TRACHYTE Dark green medium-grained trachyte. Fresh, massive.										
44.40	83.50	PORPHYRY Dark brown fine-grained porphyry. Natural contacts.										
83.50	121.30	PORPHYRY Dark brown medium-grained porphyry. Natural contacts.										
121.30	261.10	TRACHYTE Same as unit above porphyry. 221.60 221.62 Chlorite shear, dip 30 deg to CA. Barren.										
261.10	311.90	BASIC SYENITE Dark green fine to medium-grained basic syenite. Natural upper contact.										
311.90	339.00	PORPHYRY Dark grey/brown fine-grained porphyry. Natural contacts.										
339.00	487.60	TRACHYTE Grey coarse-grained fresh trachyte. Natural upper contact.										
487.60	521.60	TUFF Dark green fine-grained ash tuff. Natural upper contact.										
521.60	590.60	PORPHYRY Dark brwon medium-grained porphyry. Natural upper contact.										
590.60	605.30	TRACHYTE										
605.30	638.80	TUFF Dark green fine-grained ash tuff. Natural upper contact.										
		638.00 640.00 Tuff/porphyry contact. 1-2% coarse pyrite.	280834	638.00	640.00	2.00	.002					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
638.80	657.40	PORPHYRY Dark brown medium-grained porphyry.										
657.40	670.00	TUFF Dark green fine-grained ash tuff.	280835	665.50	668.00	2.50	.001	.001				
			280836	668.00	670.00	2.00	.001					
		668.50 668.60 Chlorite shear, dip 23 deg to CA. Barren.										
670.00	723.50	BASIC SYENITE Dark green fine to medium-grained basic syenite. Natural upper contact.						730'		P-2837 P-2838		
723.50	731.80	PORPHYRY Dark brown medium-grained porphyry. Natural contacts.										
731.80	906.30	BASIC SYENITE Same as unit above porphyry.	280837	738.60	739.60	1.00	.005					
		739.00 739.10 1" chlorite/actinolite/carb vein, dip 28 deg to CA.										
			280838	853.00	854.00	1.00	.003					
		853.55 853.60 1/2" mineralizd with 8% pyrite.										
			280839	862.50	863.50	1.00	.031					
		862.65 862.67 1/2" 8% pyrite.										
			280840	873.00	874.00	1.00	.062					
			280841	874.00	875.50	1.50	.09					
		874.50 874.90 Shear zone, 5% diss pyrite, dip 24 deg to CA.										
		887.00 893.00 Syenite, 3-4% pyrite.	280842	887.00	889.00	2.00	.097					
			280843	889.00	891.00	2.00	.069	.069	.068			
			280844	891.00	893.00	2.00	.033					
		891.75 891.76 Tight chlorite shear, dip 33 deg to CA. 6% pyrite.										
			280845	906.00	907.00	1.00	.01					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
906.30	908.10	INTERMEDIATE DYKE Approaching lamprophyric composition with 2% biotite phenocrysts. Mineralized upper contact. 906.30 906.35 Contact with dyke mineralized with 8-10% pyrite. Dip 50 deg to CA.										
908.10	1005.30	BASIC SYENITE Continuation of unit above dyke.										
1005.30	1009.40	INTERMEDIATE DYKE Grey/green fine-grained dyke. Chilled contacts.										
1009.40	1009.70	BASIC SYENITE Narrow continuation of unit above dyke.										
1009.70	1074.20	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.										
1074.20	1510.60	BASIC SYENITE Dark green medium-grained syenite. Natural upper contact.										
		1075.001076.50 Slightly bleached, 1-2% pyrite.	280846	1075.00	1076.50	1.50	.005					
			280847	1148.00	1150.00	2.00	.028					
			280848	1150.00	1152.50	2.50	.118	.12	.116			
			280849	1152.50	1155.00	2.50	.08					
		1155.001158.40 MINERALIZED ZONE (Narrows) Foliated basic syenite mineralized with up to 8% pyrite. Locally silicified. 1155.80 1156.20 Silicified, 10% pyrite	280850	1155.00	1157.00	2.00	.345			283601	.001	
			283602	1157.00	1158.40	1.40	.188	.186	.189	13/8.4		
			283603	1158.40	1160.00	1.60	.004					
		1159.00 1159.50 Chlorite fault, dip 50 deg to CA.										
			283604	1160.00	1162.50	2.50	.001					
			283605	1162.50	1165.00	2.50	.001					
			283606	1165.00	1167.50	2.50	.001					
			283607	1167.50	1170.00	2.50	.001					
			283608	1313.00	1316.00	3.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)		
			283609	1316.00	1318.60	2.60	.001	
			283610	1318.60	1320.00	1.40	.001	
		1318.90 1319.00 1" chlorite shear, dip 36 deg to CA. 1% coarse pyrite.						
		1510.601510.60 End of Hole						
		END OF HOLE						
		Total number of samples : 26 Total length sampled : 49.50						



Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

9W-2498-RA1

Company: **KIRKLAND LAKE GOLD INC.**

Date: SEP-02-09

Project:

Attn: S. CARMICHAEL

We hereby certify the following Assay of 27 HALF CORE samples submitted AUG-27-09 by .

Sample Number	Au oz/ton	Au Check oz/ton
280834	0.002	-
280835	<0.001	<0.001
280836 P-2837	<0.001	-
280837	0.005	-
280838 P-2838	<0.003	-
280839	0.031	-
280840	0.062	-
280841	0.090	-
280842	0.097	-
280843	0.069	0.068
280844	0.033	-
280845	0.010	-
280846	0.005	-
280847	0.028	-
280848	0.120	0.116
280849	0.080	-
280850	0.345	-
283601	<0.001	-
283602	0.186	0.189
283603	0.004	-
283604	0.001	-
283605	<0.001	-
283606	0.001	-
283607	<0.001	-
283608	<0.001	-
283609	<0.001	-
283610	<0.001	-
BLANK	<0.001	-
STD OxH66	0.037	-

45-1210

Certified by Denis Christie

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1233 Zone no: Contractor: CABO Started: 04/02/2010
Canton : TECK Completed: 09/02/2010
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630 E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14764.80N Azimuth: 315° 0' 0"
Station: 1+62 N Longitude: 13706.00E Dip: 0° 0' 0"
Reference system : Elevation: -4493.50 Depth: 300.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
30.00 F	0°42' 0"	314°18' "
100.00 F	0°42' 0"	314°18' "
200.00 F	0° 6' 0"	317°18' "
300.00 F	0° 0' 0"	322°48' "

Comments : Abandoned due to excess deviation
Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 11/03/2010 Hole no: 45-1233

FROM (F)	TO (F)	DESCRIPTION
0.00	23.00	TRACHYTE Dark olive green coarse-grained trachyte.
23.00	44.70	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.
44.70	73.80	TRACHYTE
73.80	79.30	PORPHYRY
79.30	80.90	TRACHYTE
80.90	83.20	PORPHYRY
83.20	110.00	TUFF Dark green fine-grained ash and lapilli tuff.
110.00	134.70	TRACHYTE Dark green coarse-grained trachyte. Natural upper contact.
134.70	233.80	BASIC SYENITE Dark green medium-grained basic syenite.
233.80	261.00	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.
261.00	300.00	BASIC SYENITE Same as unit above porphyry.
		300.00 300.00 End of Hole Abandoned and re-drilled as 45-1233A due to excesive deviation.
		END OF HOLE
		Total number of samples : 0 Total length sampled : 0.00

Sample	FROM (F)	TO (F)	Length (F)

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO
April 2010

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1233A Zone no: Contractor: CABO Started: 09/02/2010
Canton : Completed: 10/03/2010
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630 E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14769.00N Azimuth: 312° 0' 0"
Station: 1+62 N Longitude: 13706.00E Dip: 0° 0' 0"
Reference system : Elevation: -4493.50 Depth:3000.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
50.00 F	-0°36' 0"	312°30' "
100.00 F	-0°42' 0"	310°24' "
200.00 F	-0°24' 0"	313° 6' "
300.00 F	-0°30' 0"	310°42' "
400.00 F	-0°12' 0"	311°54' "
500.00 F	-0° 6' 0"	310°48' "
600.00 F	0° 0' 0"	310°12' "
700.00 F	0°18' 0"	312° 6' "
800.00 F	0°18' 0"	311°54' "
900.00 F	0° 0' 0"	311° 0' "
1000.00 F	0°48' 0"	314°18' "
1100.00 F	2° 0' 0"	314°24' "
1200.00 F	3°24' 0"	316°24' "
1300.00 F	4°12' 0"	314° 0' "
1400.00 F	5°12' 0"	314°54' "
1500.00 F	5°54' 0"	315°48' "
1600.00 F	6°30' 0"	318°18' "
1700.00 F	7°12' 0"	315°30' "
1800.00 F	7°42' 0"	317°36' "
1900.00 F	7°36' 0"	320° 6' "
2000.00 F	8° 6' 0"	320°30' "
2100.00 F	8°42' 0"	320°54' "
2200.00 F	9°12' 0"	321°30' "
2300.00 F	9°30' 0"	319°42' "

Comments : Core stored at Macassa Mine
From 1,810-3,000' hole is on claim 342832, lease
#107737.
Water debit: Plug: Car érée: BQ
Cement : Core size: Localisation :
Description :

Logged by : S. Carmichael Date logged: 08/03/2010 Hole no: 45-1233A

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1233A Zone no: Contractor: CABO Started: 09/02/2010
Canton : Completed: 10/03/2010
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630 E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14769.00N Azimuth: 312° 0' 0"
Station: 1+62 N Longitude: 13706.00E Dip: 0° 0' 0"
Reference system : Elevation: -4493.50 Depth:3000.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
2400.00 F	10°30' 0"	320°30' "
2500.00 F	10°24' 0"	322°42' "
2600.00 F	10°36' 0"	323°48' "
2700.00 F	10°36' 0"	325° 6' "
2800.00 F	10° 0' 0"	326° 6' "

Comments : Core stored at Macassa Mine
From ~~1,010~~ 1780 -3,000' hole is on claim 342832, lease #107737.
Water debit: Plug: Car érée: BQ
Cement : Core size: Localisation :
Description :

Logged by : S. Carmichael Date logged: 08/03/2010 Hole no: 45-1233A

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
0.00	22.80	TRACHYTE Dark grey/green coarse-grained trachyte.					
22.80	66.80	PORPHYRY Dark grey fine to medium-grained porphyry. Natural upper contact.					
66.80	74.50	TRACHYTE Same as unit above porphyry.					
74.50	79.50	PORPHYRY Narrow medium-grained porphyry dyke. Natural contacts.					
79.50	97.30	TRACHYTE Same as unit above porphyry. Natural contacts. 92.00 92.10 Chlorite/carb shear, dip 49 deg to CA. Barren.	301641	91.50	92.50	1.00	.001
97.30	118.70	TUFF Dark green fresh lapilli tuff. Natural upper contact, sheared lower contact. 117.70 118.20 Sheared tuff, dip 51 deg to CA. Trace pyrite.	301642	117.50	118.70	1.20	.001
118.70	132.40	TRACHYTE					
132.40	200.00	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.					
200.00	205.50	PORPHYRY Narrow porphyry dyke. Natural upper contacts.					
205.50	224.30	BASIC SYENITE Same as unit above porphyry. Natural upper contact.					
224.30	261.80	PORPHYRY Dark grey/brown medium-grained porphyry. Natural upper contact.					
261.80	340.80	BASIC SYENITE Dark green medium-grained syenite. Natural upper	301643	299.00	300.00	1.00	.001

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		contact. 299.30 299.40 Shear, dip 58 deg to CA. Trace to 1% pyrite.										
340.80	366.00	TRACHYTE Olive green coarse-grained trachyte. Natural upper contact.										
366.00	407.50	PORPHYRY Dark brown fine to medium-grained porphyry. Natural contacts.										
407.50	454.80	TRACHYTE Dark olive green coarse-grained trachyte. Natural upper contact.										
454.80	471.40	TUFF Dark green fine-grained ash tuff. Natural contacts.										
471.40	493.80	BASIC SYENITE Dark green fresh basic syenite.										
493.80	508.60	PORPHYRY Dark brown fresh medium-grained porphyry.										
508.60	511.50	BASIC SYENITE										
511.50	518.10	PORPHYRY Dark brown medium-grained porphyry dyke. Natural contacts.							good		P-2837	
518.10	750.90	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.									P-2838	
750.90	752.80	INTERMEDIATE DYKE Dark green fine-grained dyke. 2% biotite/amphibole phenocrysts.										
752.80	762.20	BASIC SYENITE Continuation of unit above intermediate dyke.										
762.20	766.40	MAFIC DYKE Dark green fine-grained mafic dyke.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
766.40	896.00	BASIC SYENITE Dark green coarse-grained basic syenite. 822.55 822.80 Weak carb altered syenite, 6% pyrite.	301644	821.10	822.10	1.00	.009				
896.00	958.70	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.									
958.70	1590.50	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.									
		1074.00 1074.10 Chlorite/carb shear, dip 38 deg to CA.	301645	1074.00	1075.40	1.40	.001				
			301646	1075.40	1078.00	2.60	.007				
			301647	1078.00	1081.00	3.00	.001				
			301648	1081.00	1084.00	3.00	.008				
			301649	1084.00	1087.00	3.00	.001				
			301650	1087.00	1090.00	3.00	.001	.001	.001		
			301651	1090.00	1093.00	3.00	.005				
			301652	1093.00	1095.00	2.00	.001				
			301653	1095.00	1097.00	2.00	.001				
			301654	1097.00	1099.00	2.00	.001				
		1099.00 1101.40 Chlorite shear, dip 65 deg to CA. Narrows Zone	301655	1099.00	1101.40	2.40	.001				
			301656	1101.40	1103.50	2.10	.001				
			301657	1103.50	1106.00	2.50	.001				
			301658	1106.00	1108.50	2.50	.001				
			301659	1108.50	1111.00	2.50	.001				
			301660	1111.00	1114.00	3.00	.001	.001	.001		
			301661	1114.00	1117.00	3.00	.001				
			301662	1117.00	1120.00	3.00	.001				
			301663	1120.00	1123.00	3.00	.001				
			301664	1335.00	1336.00	1.00	.019	.02	.017		
		1335.60 1335.62 1/4" qtz stringer, dip 60 deg to CA. Trace to 1% pyrite.									
1590.50	1596.10	DIABASE Dark green fine-grained diabase dyke. Chilled contacts.									

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
1596.10	1785.80	BASIC SYENITE Same as unit above diabase.										
1785.80	1817.00	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.						1,780'	P-2838 L-3428 32 Lease 107737			
1817.00	1824.20	BASIC SYENITE Same as unit above porphyry. Natural upper contact.										
1824.20	1976.20	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.										
		1839.601841.00 Bleached porphyry. 1840.55 1840.60 Chlorite fault/weak break, dip 53 deg to CA. Trace pyrite.	301665	1839.60	1841.00	1.40	.001					
1976.20	1993.00	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact. 1992.10 1993.00 Chlorite shear marking syenite/porphyry contact. Dip 50 deg to CA.	301666	1992.00	1993.50	1.50	.001					
1993.00	1997.30	PORPHYRY Narrow porphyry dyke. Sheared upper contact with basic syenite. Natural lower contact.										
1997.30	2188.00	BASIC SYENITE Same as unit above porphyry.										
2188.00	2218.60	PORPHYRY Dark brown fine-grained porphyry. Natural contacts.										
2218.60	2401.10	BASIC SYENITE Same as unit above porphyry.	301667	2226.00	2229.00	3.00	.001					
		2229.002230.00 Sheared fine-grained syenite, dip 59 deg to CA.	301668	2229.00	2230.00	1.00	.001					

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		2229.60 2229.70 1" carb vein, dip 59 deg to CA.										
			301669	2230.00	2232.50	2.50	.001					
		2350.002360.00	301670	2350.00	2352.50	2.50	.001	.001	.001			
		DEFORMATION ZONE Dark orange altered basic syenite. Sheared, fractured and locally brecciated throughout.	301671	2352.50	2354.00	1.50	.001					
		2353.00 2353.20 FAULT Strong chlorite fault, dip 29 deg to CA.										
			301672	2354.00	2356.50	2.50	.001					
			301673	2356.50	2359.00	2.50	.001					
			301674	2359.00	2360.30	1.30	.001					
2401.10	2405.30	MAFIC DYKE Dark green fine-grained mafic dyke. Chilled contacts.										
2405.30	2409.50	BASIC SYENITE										
2409.50	2413.80	MAFIC DYKE Same as dyke at 2401.1'.										
2413.80	2475.80	BASIC SYENITE Same as unit above mafic dyke.	301858	2436.00	2438.00	2.00						
		2438.00 2438.40 Strong brecciated fault, dip 60 deg to CA. Chloritic.	301859	2438.00	2439.00	1.00						
			301860	2439.00	2440.20	1.20						
2475.80	2488.00	GREYWACKE Dark green poorly bedded greywacke. Natural upper contact.	301861	2475.80	2478.10	2.30						
2488.00	2514.30	CONGLOMERATE Dark grren chloritc foliated polymictic conglomerate.										
2514.30	2519.50	GREYWACKE										
2519.50	2571.30	CONGLOMERATE Same as unit above greywacke.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)
2571.30	2598.00	GREYWACKE Dark grey/green bedded wacke and siltstone.				
2598.00	2602.50	PORPHYRY Dark brown fine to medium-frained porphyry.	301862	2602.00	2603.30	1.30
2602.50	2710.30	GREYWACKE Same as unit above porphyry. Sheared upper contact. 2602.50 2602.70 Chlorite/carb shear, dip 52 deg to CA.				
2710.30	2722.20	SANDSTONE Light brown/buff clean sandstone. Near porphyry in appearance. With fine rounded quartz grains. Occasional chloritic mud drapes.				
2722.20	2784.00	CONGLOMERATE Light buff colored greywacke and conglomerate. Strongly foliated with stretched polymicitc clasts. Foliation at 50 deg to CA. 2732.00 2732.05 1/2" qtz/chlorite vein, dip 49 deg to CA. 2% pyrite.	301863	2731.50	2732.50	1.00
			301864	2753.00	2754.50	1.50
		2754.00 2754.10 Carb shear, dip 50 deg to CA. 3-4% pyrite.				
			301865	2764.70	2765.90	1.20
		2765.50 2765.65 1.5" quartz vein, dip 38 deg to CA. Weakly pyritic contacts.				
			301866	2765.90	2767.10	1.20
2784.00	2827.80	GREYWACKE Buff well laminated wacke and minor mudstone. 2798.60 2798.70 1" mud gouge fault. Dip 56 deg to CA.				
2827.80	2852.80	Porphyry/Qtz Porphyry. Light green buff sericitic medium to coarse-grained porphyry. Up to 1% qtz				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)
		phenocrysts.				
2852.80	2869.40	GREYWACKE Light grey laminated greywacke. Natural upper contact.				
2869.40	2885.20	MAFIC DYKE Dark green fine-grained dyke. Non-magnetic, not diabase.				
2885.20	2933.80	GREYWACKE Dark green fine-grained massive wacke. Almost tuff-like but with occasional conglomerate clast.				
2933.80	2953.20	MUDSTONE Light brown/buff finely laminated mudstone.				
		2940.002947.60 ALTERATION ZONE Buff sericitized sheared/foliated mudstone. 10% bullisg carb flooding and laminations. Trace pyrite.	301867	2940.00	2942.50	2.50
			301868	2942.50	2944.50	2.00
			301869	2944.50	2945.80	1.30
		2945.80 2947.60 Sericitic ductile shear, dip 60 deg to CA.	301870	2945.80	2947.60	1.80
2953.20	3000.00	VOLCANICS Light grey fine-grained calc-alkalic basalt. Becoming coarser-grained down section into a porphyritic flow. Upper portion may in part be flow-top breccia.				
		3000.003000.00 End of Hole				
		END OF HOLE				
		Total number of samples : 47 Total length sampled : 94.20				

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO

Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-726

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 19-Mar-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 49 core samples submitted 12-Mar-10 by Stewart Carmichael

Sample Number	Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
301641	< 0.001			
301642	< 0.001			
301643	< 0.001			
301644	0.009			
301645	0.001			
301646	0.007			
301647	< 0.001			
301648	0.008			
301649	< 0.001			
301650	< 0.001	< 0.001		
301651	0.005			
301652	< 0.001			
301653	< 0.001			
301654	< 0.001			
301655	< 0.001			
301656	< 0.001			
301657	< 0.001			
301658	< 0.001			
301659	< 0.001			
301660	< 0.001	< 0.001		
301661	< 0.001			
301662	< 0.001			
301663	< 0.001			
301664	0.020	0.017		
301665	< 0.001			

49 - 1233A

P-28-38

Certified by Denis Chartre

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

CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1234 Zone no: Contractor: CABO Started: 04/01/2010
Canton : TECK Completed: 19/01/2010
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14763.90N Azimuth: 304° 0' 0"
Station: 1+62 N Longitude: 13709.90E Dip: 32° 0' 0"
Reference system : Elevation: -4491.30 Depth:1500.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
200.00 F	31°42' 0"	308° 0' "
400.00 F	29°54' 0"	305°30' "
600.00 F	29° 6' 0"	311°48' "
800.00 F	28° 0' 0"	312°18' "
1000.00 F	28°42' 0"	311°30' "
1250.00 F	26°48' 0"	311°48' "
1500.00 F	26°48' 0"	310°48' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 26/12/2010 Hole no: 45-1234

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)	
0.00	57.20	TRACHYTE Dark grey/green coarse-grained trachyte. Fresh, massive.					
57.20	89.20	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.					
89.20	114.70	TRACHYTE Same as unit above porphyry. Natural upper contact. 98.60 98.70 1" bullish qtz/carb vein, 1% pyrite. Dip 78 deg to CA. 114.00 116.60 Trachyte/porphyry contact. 1-2% pyrite.	299520 299521	98.30 114.00	99.30 116.60	1.00 2.60	.001 .001
114.70	116.60	PORPHYRY Narrow porphyry dyke. 1-2% pyrite at upper contact.					
116.60	278.10	TRACHYTE Same as unit above porphyry. 259.50 259.60 1" chlorite fault, dip 51 deg to CA.	299522	259.00	260.40	1.40	.001
278.10	280.70	PORPHYRY Narrow porphyry dyke.					
280.70	307.50	TRACHYTE Same as unit above porphyry. Natural upper contact.					
307.50	329.30	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.					
329.30	587.10	TRACHYTE Dark olive grren coarse-grained trachyte. Natural upper contact. 586.50 587.50 Trachyte/porphyry contact. Bleached, 2-3% pyrite.	299523	586.50	587.50	1.00	.001

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
587.10	645.60	PORPHYRY Dark brown medium-grained porphyry. Bleached weakly mineralized upper contact.										
		644.50 646.00 Porphyry/trachyte contact. Bleached, 2% pyrite.	299524	644.50	646.00	1.50	.001					
645.60	745.00	TRACHYTE Slightly buff/green coarse-grained trachyte. Upper contact weakly mineralized.						670'		P.2837 P.2838		
		721.00 723.20 Slightly altered, trace pyrite.	299525	721.00	723.20	2.20	.001					
		725.00 727.00 Slightly altered, 1% pyrite.	299526	725.00	727.00	2.00	.001					
			299527	732.00	733.00	1.00	.001					
		732.25 732.35 1" chlorite/carb fault, dip 52 deg to CA. Chloritic alteration extends 4" into trachyte. Trace pyrite.										
745.00	762.00	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.										
762.00	782.30	TRACHYTE										
782.30	842.60	TUFF Dark grey fine-grained ash tuff. Natural upper contact.										
		815.00 818.00 Weakly carb altered tuff, 1% pyrite.	299528	815.00	818.00	3.00	.014	.013	.014			
		834.00 842.60 Foliated tuff, weak carb alteration. Trace pyrite.	299529	834.00	837.00	3.00	.001					
			299530	837.00	840.00	3.00	.001					
			299531	840.00	842.60	2.60	.001					
842.60	845.90	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.										
845.90	1086.60	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
		963.00 965.10										
		INTERMEDIATE DYKE										
		Dark green aphanitic dyke. Chilled										
		contacts.										
		1027.101030.60										
		MAFIC DYKE										
		Dark green fine-grained dyke. 1% carb										
		altyered phenos. Chilled contacts.										
			299532	1033.00	1035.00	2.00	.001					
			299533	1035.00	1036.50	1.50	.001					
			299534	1036.50	1039.00	2.50	.001					
			299535	1039.00	1040.00	1.00	.001					
		1039.40 1040.00										
		Strong chlorite/carb fault, dip 64										
		deg to CA.										
			299536	1040.00	1041.00	1.00	.001					
1086.60	1213.70	PORPHYRY										
		Brown medium-grained porphyry. Fresh, massive.										
		Natural upper contact.										
1213.70	1500.00	BASIC SYENITE	299537	1260.00	1263.00	3.00	.001					
		Dark green medium-grained basic syenite. Natural	299538	1263.00	1266.00	3.00	.001					
		upper contact.	299539	1266.00	1269.00	3.00	.004	.004	.004			
			299540	1269.00	1270.70	1.70	.007					
		1270.701282.90	299541	1270.70	1273.00	2.30	.016					
		NARROWS	299542	1273.00	1274.60	1.60	.274	.277	.27	299543	blank	.001
		Moderately foliated basic syenite with										
		localized pyrite mineralization. Overall										
		appearance weak.										
		1273.50 1274.50										
		8-10% pyrite, carb altered, dip 51										
		deg to CA.										
			299544	1274.60	1275.60	1.00	.013					
			299545	1275.60	1278.00	2.40	.001					
			299546	1278.00	1280.00	2.00	.001					
		1280.00 1280.30	299547	1280.00	1281.00	1.00	.023					
		Strong chlorite shear, dip 35 deg to										
		CA. 6% pyrite.										
			299548	1281.00	1282.90	1.90	.001					
		1282.70 1282.72										
		Chlorite shear, dip 49 deg to CA.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
			299549	1282.90	1285.00	2.10	.001	.001	.001		
			299550	1360.00	1363.00	3.00	.001				
			299178	1363.00	1366.00	3.00	.001				
			299179	1366.00	1367.00	1.00	.001				
			299180	1367.00	1368.00	1.00	.02				
		1367.20 1367.60 Chlorite/carb shear, dip 50 deg to CA. 6-8% pyrite.									
			299181	1368.00	1370.00	2.00	.014				
		1429.001446.00 Felsic Rib									
		1464.001480.40 Felsic Rib									
		1500.001500.00 End of Hole									
		END OF HOLE									
		Total number of samples : 34 Total length sampled : 67.30									

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0455
ONTARIO
April 27/10

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-489

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 25-Feb-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 41 core samples
submitted 22-Feb-10 by Stewart Carmichael

Sample Number	Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
299520	0.001			
299521	< 0.001			
299522	< 0.001			
299523	< 0.001			
299524	< 0.001			
299525	< 0.001			
299526	< 0.001			
299527	< 0.001			
299528	0.013	0.014		
299529	< 0.001			
299530	< 0.001			
299531	< 0.001			
299532	< 0.001			
299533	< 0.001			
299534	< 0.001			
299535	< 0.001			
299536	< 0.001			
299537	< 0.001			
299538	< 0.001			
299539	0.004	0.004		
299540	0.007			
299541	0.016			
299542			0.277	0.270
299543	< 0.001			
299544	0.013			

P-2837

P

P-2838

45-1234

Certified by Denis Chartre

Denis Chartre

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

Assay Certificate

Certificate Number: 10-489

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 25-Feb-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 41 core samples submitted 22-Feb-10 by Stewart Carmichael

Sample Number	Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
299545	< 0.001			
299546	< 0.001			
299547	0.023			
299548	< 0.001			
299549	< 0.001	< 0.001		
299550	< 0.001			
299178	< 0.001			
299179	< 0.001			
299180	0.020			
299181	0.014			
299119	< 0.001			
299120	0.001			
299121	0.009			
299122	0.002			
299123	0.001	0.002		
299124	0.003			
Blank Value	< 0.001			
OxF65	0.023			

45 - 1234

34 - 434

Certified by Denis Chartre

Denis Chartre

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
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CEGEP Rouyn-Noranda
DRILLING LOG

Property: 45LEVELUG

Hole no: 45-1235 Zone no: Contractor: CABO Started: 20/01/2010
Canton : TECK Completed: 04/02/2010
Lot : Rang : Claim no: P-2837

Puit # : Level : -4500 Section: 1630 E Working offic#1 Winze

Collar coordonate : Line : 16+30 E Latitude: 14767.20N Azimuth: 337° 0' 0"
Station: 1+62 N Longitude: 13712.30E Dip: 39° 0' 0"
Reference system : Elevation: -4490.70 Depth:1570.00

REFLEX

Deviation tests :

Depth	Dip	Az Truth
100.00 F	37°54' 0"	336°42' "
300.00 F	36°48' 0"	338° 6' "
500.00 F	35°36' 0"	337°18' "
600.00 F	35°12' 0"	337°54' "
700.00 F	35° 6' 0"	342° 0' "
900.00 F	34°24' 0"	340°54' "
1100.00 F	34°42' 0"	344°36' "
1200.00 F	35°36' 0"	345° 6' "

Comments : Core stored at Macassa Mine

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

Logged by : S. Carmichael Date logged: 02/03/2010 Hole no: 45-1235

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)						
0.00	45.50	TRACHYTE Light grey coarse-grained trachyte.										
45.50	58.30	TUFF Dark green fine-grained ash and lapilli tuff. Natural contacts.										
58.30	130.50	PORPHYRY Dark brown/grey fine-grained porphyry. Natural upper contact.										
130.50	181.10	TRACHYTE Dark olive green coarse-grained trachyte. Natural upper contact.										
181.10	196.40	PORPHYRY Dark brown medium-grained trachyte. Natural upper contact.										
		194.50 197.30 Porphyry/trachyte contact. 2% pyrite in porphyry.	301613	194.50	197.30	2.80	.001					
196.40	313.90	TRACHYTE Dark grey/green coarse-grained trachyte.										
313.90	319.60	PORPHYRY Narrow porphyry dyke. Natural contacts.										
319.60	383.70	TRACHYTE Same as unit above porphyry.										
383.70	408.80	PORPHYRY Dark brown medium-grained porphyry. Natural upper contact.										
408.80	557.20	TRACHYTE Dark brown coarse-grained trachyte. Natural upper contact.										
557.20	596.60	TUFF Dark green fine-grained ash tuff. Upper contact approximated.										
596.60	698.50	PORPHYRY Dark brown fine to medium-grained porphyry. Natural upper contact.										

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
698.50	754.60	TUFF Dark green fine-grained ash tuff. Natural upper contact.									
754.60	840.50	BASIC SYENITE Dark green medium-grained basic syenite. Natural upper contact.									
840.50	847.60	TUFF(?) dark green lapilli tuff, almost appears as mafic dyke.									
847.60	866.70	PORPHYRY Dark brown medium-grained porphyry.									
866.70	1047.50	BASIC SYENITE Dark green medium-grained syenite. Natural upper contact. 927.50 927.60 Chlorite fault, dip 80 deg to CA.	301614	923.00	925.10	2.10	.001				
			301615	925.10	927.10	2.00	.001				
			301616	927.10	928.50	1.40	.022				
			301617	928.50	930.00	1.50	.077	.074	.08		
1047.50	1118.60	PORPHYRY Dark brown fine-grained porphyry. Natural upper contact.									
1118.60	1120.00	INTERMEDIATE DYKE Light green fine-grained dyke. Chilled contacts.									
1120.00	1123.60	BASIC SYENITE Dark green medium-grained basic syenite.									
1123.60	1128.40	PORPHYRY Narrow porphyry dyke.									
1128.40	1570.00	BASIC SYENITE Same as unit above porphyry dyke. Natural upper contact. 1179.10 1179.30 2" chlorite shear, dip 39 deg to CA. 4-5% pyrite.	301618	1179.00	1180.00	1.00	.001				
			301619	1180.00	1181.20	1.20	.001				
		1181.20 1181.50 Chlorite shear, dip 55 deg to CA. Trace pyrite.	301620	1181.20	1182.30	1.10	.001				

FROM (F)	TO (F)	DESCRIPTION	Sample	FROM (F)	TO (F)	Length (F)					
			301621	1320.00	1323.00	3.00	.001				
			301622	1323.00	1326.00	3.00	.001	.001	.001		
			301623	1326.00	1329.00	3.00	.001				
			301624	1329.00	1331.50	2.50	.018	.018	.018		
			301625	1331.50	1332.50	1.00	.072				
		1331.90 1331.91 Pyritic slip, dip 51 deg to CA.									
		1332.30 1332.50 Bullish qtz/chlorite/carb vein, dip 28 deg to CA.									
			301626	1332.50	1334.00	1.50	.001				
			301627	1334.00	1336.00	2.00	.002				
			301628	1393.00	1395.50	2.50	.001				
			301629	1395.50	1397.10	1.60	.001				
			301630	1397.10	1400.00	2.90	.001				
			301631	1400.00	1401.70	1.70	.001				
		1401.701412.50 NARROWS ZONE Dark green foliated basic syenite. Very weak, generally trace pyrite.	301632	1401.70	1403.50	1.80	.001	.001	.001		
			301633	1403.50	1404.50	1.00	.001				
			301634	1404.50	1406.50	2.00	.001				
			301635	1406.50	1408.00	1.50	.001				
		1407.40 1407.50 Chlorite/carb shear, dip 56 deg to CA.									
			301636	1408.00	1410.50	2.50	.001				
			301637	1410.50	1412.50	2.00	.001				
			301638	1412.50	1415.00	2.50	.001				
			301639	1415.00	1417.50	2.50	.001				
			301640	1417.50	1420.00	2.50	.001				
		1570.001570.00 End of Hole									
		END OF HOLE									
		Total number of samples : 28 Total length sampled : 56.10									



Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-626

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 12-Mar-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 28 core samples
submitted 05-Mar-10 by Stewart Carmichael

Sample Number		Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
301613		< 0.001			
301614		< 0.001			
301615		< 0.001			
301616	1	0.022			
301617	1			0.074	0.080
301618	1	< 0.001			
301619	1	< 0.001			
301620	1	< 0.001			
301621		< 0.001			
301622		< 0.001	< 0.001		
301623		< 0.001			
301624		0.018	0.018		
301625	1			0.072	
301626	1	< 0.001			
301627		0.002			
301628		< 0.001			
301629	1	< 0.001			
301630		< 0.001			
301631	1	< 0.001			
301632	1	< 0.001	< 0.001		
301633	1	< 0.001			
301634		< 0.001			
301635	1	< 0.001			
301636		< 0.001			
301637		< 0.001			

45 - 1235

Certified by Denis Chartre

1. No Reject

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

Assay Certificate

Certificate Number: 10-626

Company: **Kirkland Lake Gold Mines Inc.**

Project:

Report Date: 12-Mar-10

Attn: Stewart Carmichael

We hereby certify the following Assay of 28 core samples submitted 05-Mar-10 by Stewart Carmichael

Sample Number	Au FA-AAS Toz/t	Au Chk FA-AAS Toz/t	Au FA-GRAV Toz/t	Au Chk FA-GRAV Toz/t
301638	< 0.001			
301639	< 0.001			
301640	< 0.001			
Blank Value	< 0.001			
OxF65	0.024			

Certified by Denis Chartre

1. No Reject

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

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

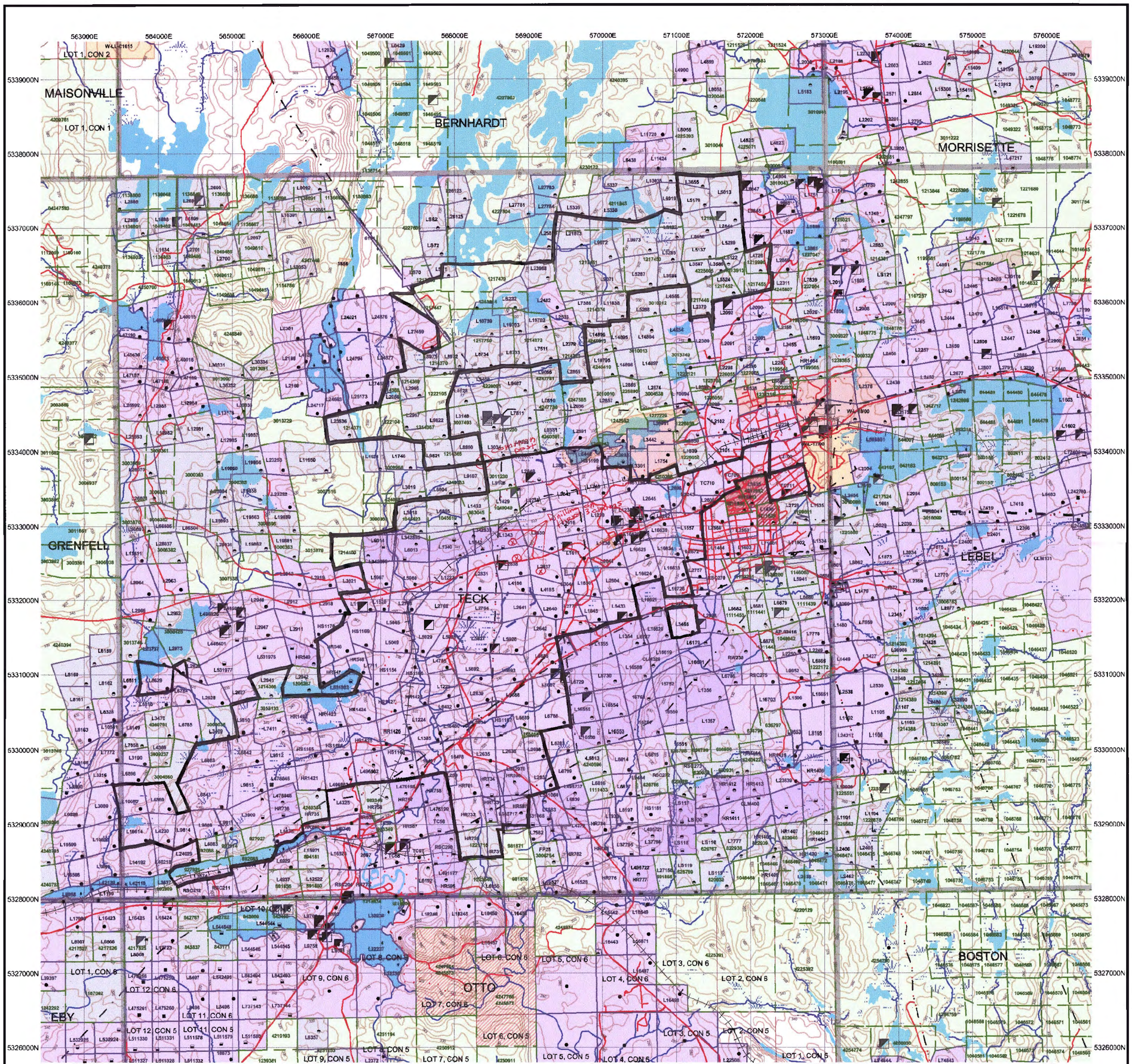
Date / Time of Issue: Thu Apr 08 14:10:03 EDT 2010

TOWNSHIP / AREA
TECK

PLAN
G-3719

ADMINISTRATIVE DISTRICTS / DIVISIONS

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



UTM Zone 17
1000m grid

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

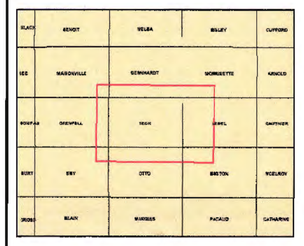
Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

License of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- LUP Land Use Permit
- OIC Order in Council (Not open for staking)
- WPLA Water Power Lease Agreement
- 1234567 Mining Claim
- 1234567 Filed Only Mining Claims

RECEIVED
APR 20 2010
GEOSCIENCE ASSESSMENT OFFICE



LAND TENURE WITHDRAWALS

1234 Acres Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

Nt IMPORTANT NOTICES

Scale 1:20000

700m 0m 2.1km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
3856	Wsm	Jan 1, 2001	MNR RES. FILE 101409
3859	Ws	Jan 1, 2001	20/11/59 S.R.O. 180484
4034	Wsm	Jan 1, 2001	PENDING APPLICATION UNDER PUBLIC LANDS ACT (SURFACE RIGHTS)
4037	Wsm	Jan 1, 2001	400 FT SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES & RIVERS
ConReserve	Wsm	Apr 6, 2001	Mesconville Bernhardt Muskeg Maple Moraine Conservation Reserve
P PLA	Ws	Jan 23, 2002	Pending Application Sec. 30(b) and 29(2). Surface Rights Only.
W 20/79	Wsm	Jan 1, 2001	SECTION 3680 NR W 20/79 8-3-79 SR & MR 160705
W 20/79	Wsm	Mar 5, 2001	SECTION 3680 NR W 20/79 8-3-79 SR & MR 160705
W 56/80	Wm	Jan 3, 1980	SECTION 3680 NR W 56/80 3-1-80 M.R.O. 160705
W-L-12/10	Wm	Feb 19, 2010	W-L-12/10 M.R.O. withdrawal s.35 Mining Act RSO 1990, February 19, 2010 Click to link to withdrawal order.
W-L-14/98	Wsm	Apr 17, 1998	SEC.35 W-L-14/98 17/04/98 M+S 195150
W-L-16/05	Wsm	Mar 31, 2005	W-L-16/05 M&S withdrawal S.35 Mining Act RSO 1990, March 31th, 2005 Click to link to withdrawal order.
W-L-17/00	Wsm	May 27, 2000	W-L-17/00 M&S withdrawal S.35 Mining Act RSO 1990, April 27, 2000 Click to link to withdrawal order.
W-L-18/00	Wsm	Apr 27, 2000	W-L-18/00 M&S withdrawal S.35 Mining Act RSO 1990, April 27, 2000 Click to link to withdrawal order.
W-L-46/98	Ws	Oct 27, 1998	W-L-46/98 M&S withdrawal S.35 Mining Act RSO 1990, October 27, 1998 Click to link to withdrawal order.
W-LL-C1615	Wsm	May 11, 1999	W-LL-C1615-99 29/04/00 M+S Notice: area is now regulated as Con. Res. consult Recorder's Office for new boundary as it goes beyond this Withdrawal Order W-LL-P1621 ONT M&S withdrawal S.35 Mining Act RSO 1990, 01/02/04 Boundary generally depicts area withdrawn. Click to view actual area.
W-LL-P1621	Wsm	Feb 1, 2004	

IMPORTANT NOTICES

Areas under which special regulation, limitations or conditions exist that affect normal prospecting, staking and mineral development activities.

Type	Description
Nh	DISTURBANCE OF THESE REHABILITATED MINING LANDS REQUIRES WRITTEN CONSENT OF THE DIRECTOR, MINE REHABILITATION, SECTION 167(4) OF THE MINING ACT.
Npla	APPLICATION FOR SRO, PUBLIC LANDS ACT, SEE SECTION 28(3) AND 39(8) OF THE MINING ACT.

General Information and Limitations

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre (933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/misrnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5742
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorder's Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licenses, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

L-342833

LEASE #107737

(100.5 Ha)

L-342832

P-2831

P-2838

(18.5 Ha)

P-2764

P-2830

P-2837

(16.4 Ha)

45-1233A 3,000'

45-1214 1,600'

45-1213 1,620'

45-1212 1,680'

45-1207 1,700'

45-1210 1,680'

45-1216 1,350'

45-1211 1,215'

45-1208 1,704'

45-1209 1,500'

45-1215 1,827'

45-1234 1,500'

45-1235 1,570'

45-1233 300'

#1 Winze, Macassa -4500 level

N

W

E

S

45-1207 Dip +21°, Az. 312°
45-1208 Dip +35°, Az. 334°
45-1209 Dip +29°, Az. 328°
45-1210 Dip +34°, Az. 312°
45-1211 Dip +41°, Az. 322.5°
45-1212 Dip +13°, Az. 305°
45-1213 Dip +19°, Az. 302°
45-1214 Dip -9°, Az. 292°
45-1215 Dip -16°, Az. 286°
45-1216 Dip +28°, Az. 316.5°
45-1233 Dip 0°, Az. 315°
45-1233A Dip 0°, Az. 312°
45-1234 Dip +32°, Az. 304°
45-1235 Dip +39°, Az. 337°

LEGEND

- Basic Syenite
- Feldspar Porphyry
- Tuff
- Trachyte
- Conglomerate
- Greywacke
- Mudstone
- Basalt

All assays reported in ounces of gold per ton over core length in feet

50 0 50 100 200 feet

SCALE 1"=100 FT

PROFESSIONAL GEOSCIENTIST
STEWART CARMICHAEL
PRACTISING MEMBER
ONTARIO

APPROVAL DEPT.	APPROVED BY	DATE
Engineering		
Geology		
Ventilation		
Rock mechanic		
Superintendent		
Construction		

TITLE: PLAN VIEW, -4500 LEVEL, #1 WINZE
NARROWS DRILLING PROGRAM

DRAW.: S. CARMICHAEL | SCALE: 1"=100'
APPROVED: | NO: 1
DATE: 10/04/08 | FILE:

32+00 N | 30+00 N | 28+00 N | 26+00 N | 24+00 N | 22+00 N | 20+00 N | 18+00 N | 16+00 N | 14+00 N

−3200 el

−3400 el

−3600 el

−3800 el

−4000 el

−4200 el

−4400 el

−4600 el

−4800 el

−5000 el

−5200 el

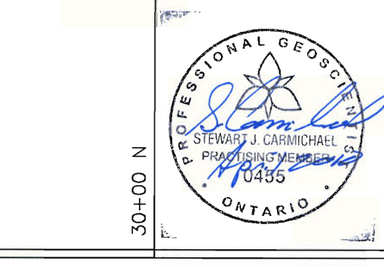
−5400 el

L−342832

P−2838

3,000'
45−1233A
KINOJEVIS?
Shr@60
Mafic Dyke
FltMud@56
Shr@50Py
1.5"Qv@38
Sandstone +
1/2"Qv@49
Shr@52
Flt@60
Flt@29
Deformation Zone
Shr@59
Shr@50
Chl Flt@53
Diabase

1,600'
45−1210
1,500'
45−1224
1,510'
45−1216
1,500'
45−1207
1,600'
45−1213
1,500'
45−1212
1,409.5'
45−1214



KIRKLAND LAKE GOLD INC.

DRILL HOLE SECTION 12+00 EAST, NORTH HALF
SECTION LOOKING GRID EAST (057°)
NEAR 200' FAR 200'

TECK TOWNSHIP, LARDER LAKE MINING DIVISION

50 0 50 100 200 feet

SCALE 1"=100 FT

LEGEND

TIMISKAMING
- CONGLOMERATE
- GREYWACKE
- MUDSTONE
- TUFF
- TRACHYTE

INTRUSIVES
- PORPHYRY
- BASIC SYENITE

KINOJEVIS?
- BASALT

All assays reported in ounces of gold per ton over core length in feet

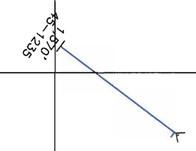
DATE	APRIL 22, 2010	DRAWN BY: SC			
DWG No. 9		NTS: 42A/01			

24+00 N | 22+00 N | 20+00 N | 18+00 N | 16+00 N | 14+00 N | 12+00 N | 10+00 N | 8+00 N | 6+00 N | 4+00 N | 2+00 N | D

−3200 el

−3400 el

−3600 el



−3800 el

P−2837

−4000 el

P−2830

−4200 el

−4400 el

−4600 el

−4800 el

−5000 el

−5200 el

−5400 el

24+00 N | 22+00 N | 20+00 N | 16+00 N | 14+00 N | 12+00 N | 10+00 N | 8+00 N | 6+00 N | 4+00 N | 2+00 N

KIRKLAND LAKE GOLD INC.

DRILL HOLE SECTION 20+00 EAST
SECTION LOOKING GRID EAST (057°)
NEAR 100' FAR 100'

TECK TOWNSHIP, LARDER LAKE MINING DIVISION

50 0 50 100 200 feet

SCALE 1"=100 FT

DATE	APRIL 22, 2010	DRAWN BY: SC			
DWG No. 8		NTS: 42A/01			

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
0435
ONTARIO

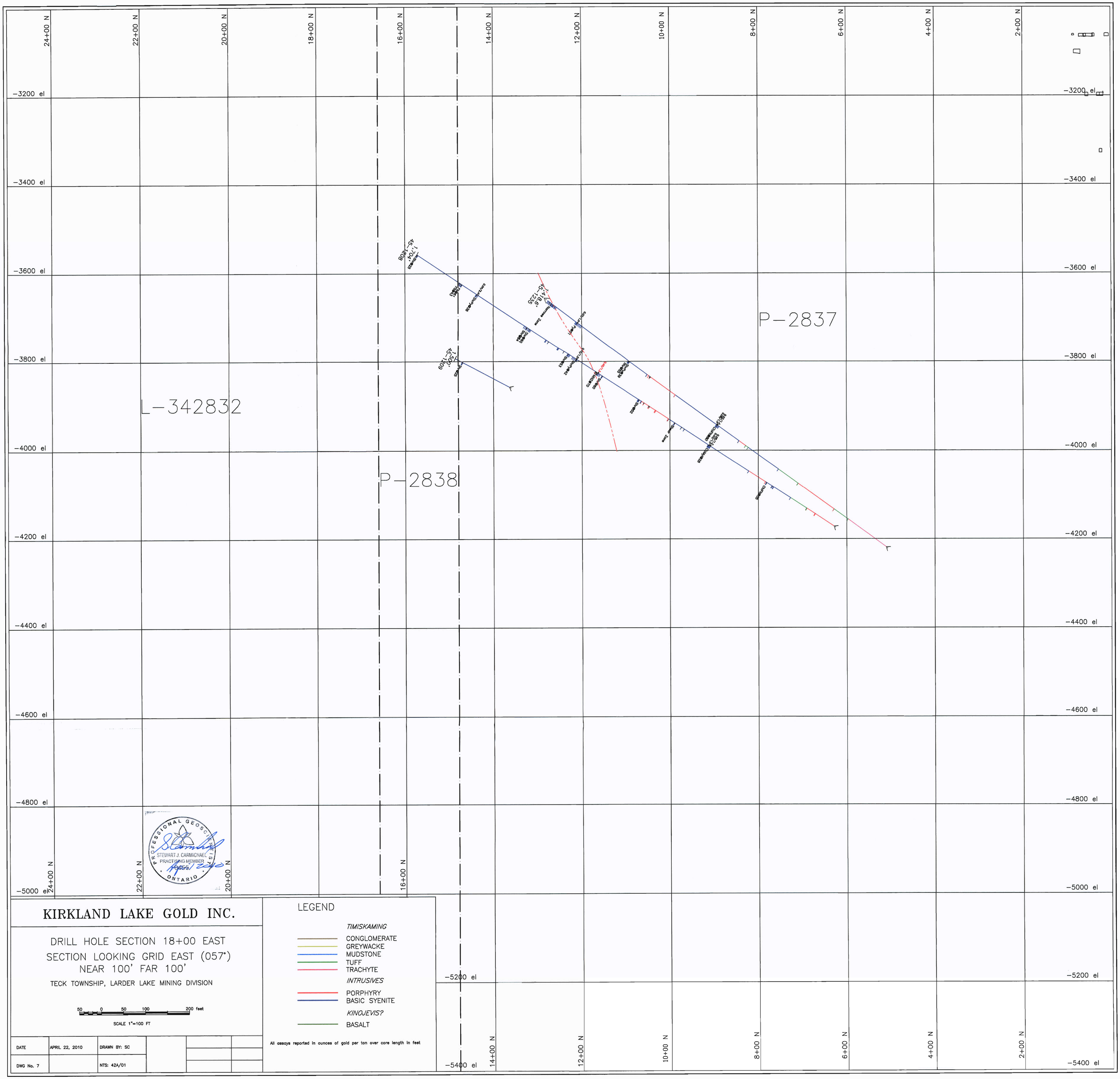
LEGEND

TIMISKAMING
- CONGLOMERATE
- GREYWACKE
- MUDSTONE
- TUFF
- TRACHYTE

INTRUSIVES
- PORPHYRY
- BASIC SYENITE

KINOJEVIS?
- BASALT

All assays reported in ounces of gold per ton over core length in feet



PROFESSIONAL GEOSCIENTISTS ONTARIO
STEWART J. CARMICHAEL
PRACTISING MEMBER

KIRKLAND LAKE GOLD INC.

DRILL HOLE SECTION 18+00 EAST
SECTION LOOKING GRID EAST (057°)
NEAR 100' FAR 100'

TECK TOWNSHIP, LARDER LAKE MINING DIVISION

50 0 50 100 200 feet

SCALE 1"=100 FT

DATE	APRIL 22, 2010	DRAWN BY: SC			
DWG No. 7		NTS: 42A/01			

LEGEND

TIMISKAMING
- CONGLOMERATE
- GREYWACKE
- MUDSTONE
- TUFF
- TRACHYTE

INTRUSIVES
- PORPHYRY
- BASIC SYENITE

KINOJEVIS?
- BASALT

All assays reported in ounces of gold per ton over core length in feet

24+00 N | 22+00 N | 20+00 N | 18+00 N | 16+00 N | 14+00 N | 12+00 N | 10+00 N | 8+00 N | 6+00 N | 4+00 N | 2+00 N

−3200 el
−3400 el
−3600 el
−3800 el
−4000 el
−4200 el
−4400 el
−4600 el
−4800 el
−5000 el
−5200 el
−5400 el

L−342832

P−2838

P−2837

45-171
1,715'
45-1211

45-1209
1,361.4'

45-1216
705.4'

45-1210
651.7'

45-1208
561.9'

45-1207
543.8'

45-1213
342.2'

45-1212
573.8'

45-1233A
490.7'

45-1233
300.0'...

45-1214
234.9'

45-1215
205.5'

4500 Level #1 Winze

PROFESSIONAL GEOSCIENTIST
ONTARIO
STEWART J. CARMICHAEL
PRACTISING MEMBER
APR 25 2010

KIRKLAND LAKE GOLD INC.

DRILL HOLE SECTION 16+00 EAST
SECTION LOOKING GRID EAST (057°)
NEAR 100' FAR 100'

TECK TOWNSHIP, LARDER LAKE MINING DIVISION

50 0 50 100 200 feet
SCALE 1"=100 FT

DATE	APRIL 22, 2010	DRAWN BY: SC			
DWG No. 6		NTS: 42A/01			

LEGEND

TIMISKAMING
- CONGLOMERATE
- GREYWACKE
- MUDSTONE
- TUFF
- TRACHYTE

INTRUSIVES
- PORPHYRY
- BASIC SYENITE

KINOJEVIS?
- BASALT

All assays reported in ounces of gold per ton over core length in feet

24+00 N | 22+00 N | 20+00 N | 18+00 N | 16+00 N | 14+00 N | 12+00 N | 10+00 N | 8+00 N | 6+00 N | 4+00 N | 2+00 N

−3200 el
−3400 el
−3600 el
−3800 el
−4000 el
−4200 el
−4400 el
−4600 el
−4800 el
−5000 el
−5200 el
−5400 el

L−342832

P−2838

P−2837

45-1210, 1600'

45-1216, 1510'

45-1234, 1212'

45-1207, 1434'

45-1213, 948'

45-1212, 985.5'

45-1233A, 1278.6'

45-1214, 651'

45-1215, 537.8'



KIRKLAND LAKE GOLD INC.

DRILL HOLE SECTION 14+00 EAST
SECTION LOOKING GRID EAST (057°)
NEAR 100' FAR 100'

TECK TOWNSHIP, LARDER LAKE MINING DIVISION

50 0 50 100 200 feet

SCALE 1"=100 FT

DATE	APRIL 22, 2010	DRAWN BY: SC			
DWG No. 5		NTS:			

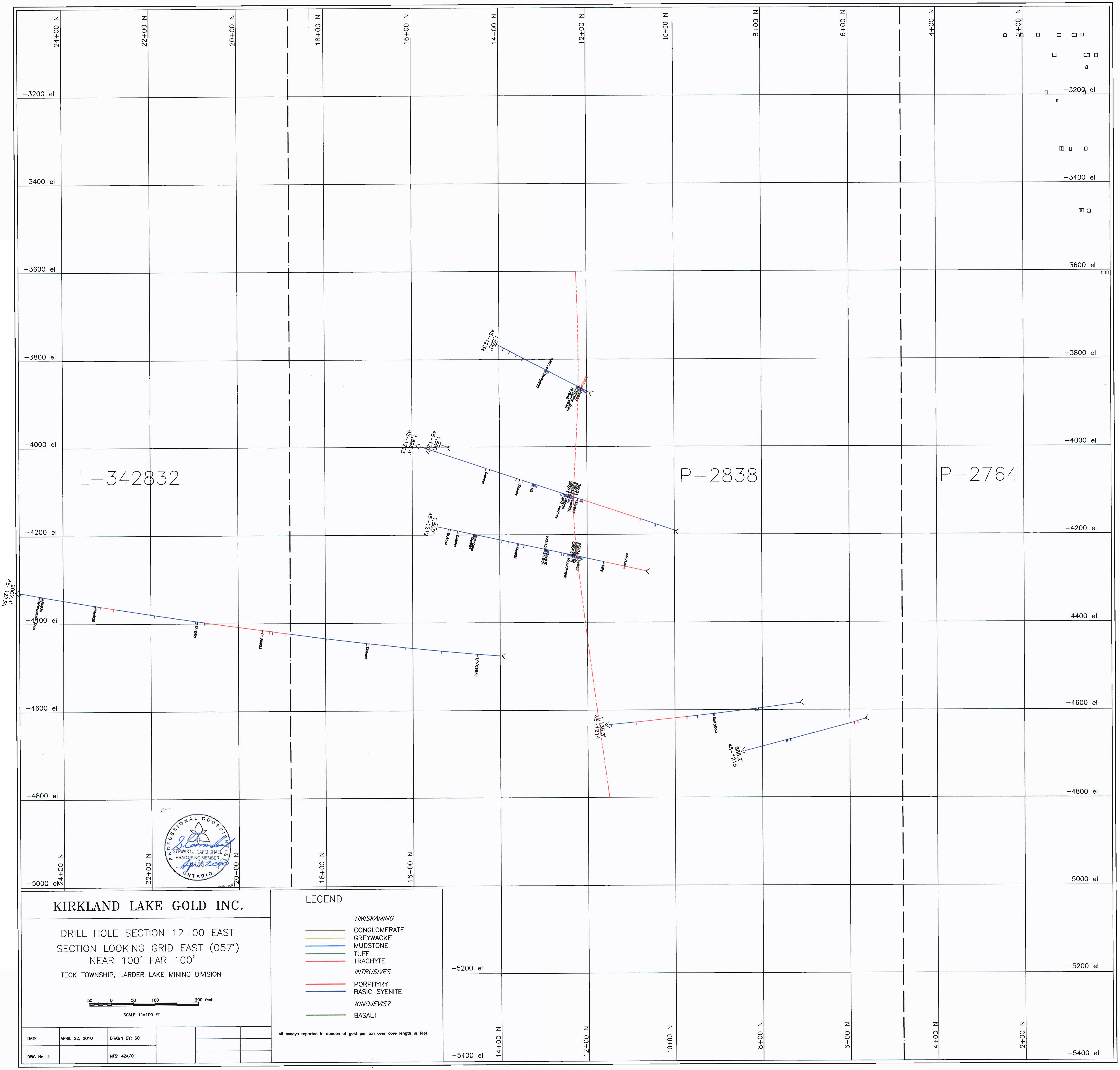
LEGEND

TIMISKAMING
- CONGLOMERATE
- GREYWACKE
- MUDSTONE
- TUFF
- TRACHYTE

INTRUSIVES
- PORPHYRY
- BASIC SYENITE

KINOJEVIS?
- BASALT

All assays reported in ounces of gold per ton over core length in feet


KIRKLAND LAKE GOLD INC.
DRILL HOLE SECTION 12+00 EAST
SECTION LOOKING GRID EAST (057°)
NEAR 100' FAR 100'
TECK TOWNSHIP, LARDER LAKE MINING DIVISION
50 0 50 100 200 feet
SCALE 1"=100 FT
DATE APRIL 22, 2010
DRAWN BY: SC
DWG No. 4
NTS: 42A/01
LEGEND
TIMISKAMING
CONGLOMERATE
GREYWACKE
MUDSTONE
TUFF
TRACHYTE
INTRUSIVES
PORPHYRY
BASIC SYENITE
KINOJEVIS?
BASALT
All assays reported in ounces of gold per ton over core length in feet
L-342832
P-2838
P-2764
24+00 N
22+00 N
20+00 N
18+00 N
16+00 N
14+00 N
12+00 N
10+00 N
8+00 N
6+00 N
4+00 N
2+00 N
-3200 el
-3400 el
-3600 el
-3800 el
-4000 el
-4200 el
-4400 el
-4600 el
-4800 el
-5000 el
-5200 el
-5400 el
45-1234
45-1207
45-1213
45-1212
45-1233A
45-1214
45-1215
PROFESSIONAL GEOSCIENTISTS
STEWART J. CARMICHAEL
PRACTISING MEMBER
ONTARIO

24+00 N | 22+00 N | 20+00 N | 18+00 N | 16+00 N | 14+00 N | 12+00 N | 10+00 N | 8+00 N | 6+00 N | 4+00 N | 2+00 N

−3200 el

−3400 el

−3600 el

−3800 el

−4000 el

L−342832

P−2838

P−2764

1,600'
45−1213

−4200 el

−4400 el

−4600 el

−4800 el

1,600'
45−1214

1,264.6'
45−1215

−5000 el

−5200 el

−5400 el



KIRKLAND LAKE GOLD INC.

DRILL HOLE SECTION 10+00 EAST
SECTION LOOKING GRID EAST (057°)
NEAR 100' FAR 100'

TECK TOWNSHIP, LARDER LAKE MINING DIVISION

50 0 50 100 200 feet

SCALE 1"=100 FT

DATE	APRIL 22, 2010	DRAWN BY: SC			
DWG No. 3		NTS: 42A/01			

LEGEND

TIMISKAMING
- CONGLOMERATE
- GREYWACKE
- MUDSTONE
- TUFF
- TRACHYTE

INTRUSIVES
- PORPHYRY
- BASIC SYENITE

KINOJEVIS?
- BASALT

All assays reported in ounces of gold per ton over core length in feet

L-342832

P-2838

P-2764

45-1214 1,600' N

45-1215 1607' N

KIRKLAND LAKE GOLD INC.

DRILL HOLE SECTION 8+00 EAST
SECTION LOOKING GRID EAST (057°)
NEAR 200' FAR 200'

TECK TOWNSHIP, LARDER LAKE MINING DIVISION

50 0 50 100 200 feet

SCALE 1"=100 FT

DATE	APRIL 22, 2010	DRAWN BY: SC			
DWG No. 2		NTS: 42A/01			

LEGEND

TIMISKAMING
- CONGLOMERATE
- GREYWACKE
- MUDSTONE
- TUFF
- TRACHYTE

INTRUSIVES
- PORPHYRY
- BASIC SYENITE

KINOJEVIS?
- BASALT

All assays reported in ounces of gold per ton over core length in feet

PROFESSIONAL GEOSCIENTIST
STEWART J. CARMICHAEL
PRACTISING MEMBER
ONTARIO
April 2010