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Symbol – TSX: **KGI**
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November 9, 2004

**New North- South Structure Discovered;
Hole SV-04-08 Returns 0.50 ounces over 29.0 feet (17 grams over
8.84meters) at 160 Feet Vertical Depth**

Kirkland Lake Gold Inc. (the “Company”) is carrying out a Three Year \$21 million exploration program targeting: unexplored areas not previously mined on the Main Break (an East- West structure seven kilometres long), parallel structures both to the north and south of the Main Break, and North- South structures on the Company’s land holdings in the Kirkland Lake mining camp.

While conducting surface drill program targeting the South Break on the Company’s Macassa property, near-surface mineralization has been intersected 1,400 feet south of the South Break and 2,000 feet south of the Main Break. This is a new discovery and the initial geological interpretation indicates the mineralization may be trending perpendicular to the Main Break with a shallow easterly dip. Highlights of the current results are:

- Drill hole SV-04-08 has intersected 0.50 ounces of gold per ton over 29.0 feet (true width unknown) at a vertical depth of 160 feet below surface, including 0.84 ounces of gold per ton over 15.0 feet.
- Two additional close spaced follow-up holes have intersected the same mineralized zone.
- Mineralization is open in all directions and comprises altered greywacke and conglomerate mineralized with up to 15% finely disseminated pyrite. Visible gold was observed in all three reported drill holes associated with pyrite mineralization.
- Parallel mineralized zones appear to be present.

“After the discovery of the D-Vein, and more recently the Lower D, we thought that additional mineralization associated with north trending structures may be present. This new discovery, while not associated with the D-Vein, verifies this exploration concept.” said Stewart Carmichael, Chief Exploration Geologist.

These new intersections, together with those from holes KM-04-23C, 47-1045 and 45-911A (see News Releases dated October 19th, October 4th and September 20th), are in the unexplored Central and South Central portions of the Kirkland Lake Camp. Understanding the relationship between the new North-South trending structures to the major East-West structures such as the Main and South Breaks, that historically produced most of the 24 million ounces of Kirkland Lake Camp, is one of the strategic goals of the exploration campaign.

Drilling is currently at relatively short step-out drill holes to determine the geometry of the mineralization. Once this has been ascertained, larger step-out drilling will begin. The following table summarizes the latest drilling program results in ounces per ton over feet:

DRILL HOLE No.	VEIN	FROM (feet)	TO (feet)	HOLE DIP (degrees)	AZIMUTH (degrees)	ASSAY (oz. per ton/feet)
SV-04-08	NEW	209.0	238.0	-52	307	0.50/29.0'=TW UNKNOWN,
	INCLUDING	209.0	224.0	-52	307	0.84/15.0'=TW UNKNOWN VG
SV-04-10	NEW	305.0	316.0	-51	328	0.15/11.0'=TW UNKNOWN
	NEW	453.5	464.0	-51	328	0.12/10.5'=TW UNKNOWN VG
	NEW	472.0	478.0	-51	328	0.16/6.0'= TW UNKNOWN
SV-04-11	NEW	185.0	197.0	-63	302	0.16/12.0'=TW UNKNOWN
	INCL.	196.0	197.0	-63	302	0.37/1.0'=TW UNKNOWN, VG
	NEW	203.0	204.0	-63	302	0.25/1.0'=TW UNKNOWN, VG

TW = True Width VG = Visible Gold TELL = Tellurides CUT= cut to 3.50 oz./ton QV = Quartz vein QS = Quartz stringers

The following table summarizes the latest drilling program results in grams per tonne over metres:

DRILL HOLE No.	VEIN	FROM (metres)	TO (metres)	HOLE DIP (degrees)	AZIMUTH (degrees)	ASSAY (grams per tonne/metre)
SV-04-08	NEW	63.72	72.56	-52	307	17.1/8.84m=TW UNKNOWN,
	INCLUDING	63.72	68.29	-52	307	28.8/4.57m=TW UNKNOWN, VG
SV-04-10	NEW	92.99	96.34	-51	328	5.1/3.35m=TW UNKNOWN
	NEW	138.26	141.46	-51	328	4.1/3.20m=TW UNKNOWN VG
	NEW	143.90	145.73	-51	328	5.5/1.83m= TW UNKNOWN
SV-04-11	NEW	56.40	60.06	-63	302	5.5/3.66m=TW UNKNOWN
	INCL.	59.76	60.06	-63	302	12.7/0.30m=TW UNKNOWN, VG
	NEW	61.89	62.20	-63	302	8.57/0.30m=TW UNKNOWN, VG

TW = True Width VG = Visible Gold TELL = Tellurides CUT= cut to 120 gms./tonne QV = Quartz vein QS = Quartz stringers

About the Company

The Company purchased the Macassa Mine and the 1,500 ton per day mill along with four former producing gold properties – Kirkland Lake Gold, Teck-Hughes, Lake Shore and Wright Hargreaves – in December 2001. These properties, which have historically produced some 22 million ounces of gold, extend over seven kilometres between the Macassa Mine on the east and Wright Hargreaves on the west and for the first time will be developed and explored under one owner. This camp is located in the Abitibi Southern Greenstone Belt of Kirkland Lake, Ontario, Canada.

The results of the Company's underground diamond drilling program have been reviewed, verified (including sampling, analytical and test data) and compiled by the Company's geological staff (which includes a 'qualified person', Michael Sutton P.Geo. for the purpose of NI 43-101, *Standards of Disclosure for Mineral Projects*).

The Company has implemented a quality assurance and control (QA/QC) program to ensure sampling and analysis of all exploration work is conducted in accordance with the best possible practices. The drill core is sawn in half with half of the core samples shipped to the Swastika Laboratories in Swastika, Ontario or to the Macassa mine laboratory for analysis. The other half of the core is retained for future assay verification. Other QA/QC includes the insertion of blanks, and the regular re-assaying of pulps/rejects at alternate certified labs (Polymet, Accurassay). Gold analysis is conducted by fire assay using atomic absorption or gravimetric finish. The laboratory re-assays at least 10% of all samples and additional checks may be run on anomalous values.

The Company's Kirkland Lake properties are the subject of a report prepared by Roland H. Ridler, B.A.Sc.(hons.), M.A.Sc., Ph.D.(Econ.Geol.), P.D., entitled *Kirkland Lake Mineral Properties (Macassa Mine, Kirkland Lake Gold, Teck-Hughes, Lake Shore, Wright-Hargreaves* dated November 30, 2001. The Company's Macassa Mine Property is the subject of reserve reports prepared by

- David W. Rennie, P.Eng. and Richard E. Routledge, M.Sc., P.Geol. entitled *Review of Mineral Resources and Mineral Reserves of the Macassa Mine Property, Kirkland Lake, Ontario Prepared for Kirkland Lake Gold Inc* dated December 23, 2002 .
- Michael Sutton P.Geo., and Stewart Carmichael, P.Geo. entitled *Mineral Resources and Mineral Reserves of the Macassa Mine Property, Kirkland Lake, Ontario (Kirkland Lake Gold Inc.) as at April 30, 2003* dated August 30, 2003.
- Michael Sutton P.Geo., and Stewart Carmichael, P.Geo. entitled *Mineral Resources and Mineral Reserves of the Macassa Mine Property, Kirkland Lake, Ontario (Kirkland Lake Gold Inc.) as at April 30, 2004* dated August 31, 2004.

All of these technical reports have been filed on SEDAR (www.sedar.com <<http://www.sedar.com>>).

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Neither the Toronto Stock Exchange nor the AIM Market of the London Stock Exchange has reviewed and neither accepts responsibility for the adequacy or accuracy of this news release.

The reserves and resources disclosed in this news release have been estimated using definitions and procedures which conform to National Instrument 43-101 Standards of Disclosure for Mineral Projects of the Canadian Securities Administrators. These reserves and resources were completed internally by the Company's personnel, while the previous reserves and resources were completed in December 2002 internally by the Company's personnel and were audited by Roscoe Postle Associates Inc. (an independent geological and mining consulting firm). The reserves are not part of the resources. For details on the calculation of reserves and resources, please refer to the disclosure on the Company's website.

Cautionary Note to U.S. investors concerning estimates of Measured and Indicated Resources

This news release uses the terms "measured" and "indicated resources." We advise U.S. investors that while those terms are recognized and required by Canadian regulations, the U.S. Securities and Exchange Commission does not recognize them. U.S. investors are cautioned not to assume that any part or all of mineral deposits in these categories will ever be converted into reserves.

Cautionary Note to U.S. investors concerning estimates of Inferred Resources

This news release uses the term "inferred resources." We advise U.S. investors that while this term is recognized and required by Canadian regulations, the U.S. Securities and Exchange Commission does not recognize it. "Inferred resources" have a great amount of uncertainty as to their existence, and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of an Inferred Mineral Resource will ever be upgraded to a higher category. Under Canadian rules, estimates of Inferred Resources may not form the basis of feasibility or other economic studies. U.S. investors are cautioned not to assume that part or all of an inferred resource exists, or is economically or legally minable.

Cautionary Note to U.S. Investors- The United States Securities and Exchange Commission permits U.S. mining companies, in their filings with the SEC, to disclose only those mineral deposits that a company can economically and legally extract or produce. We use certain terms in press release, such as "measured," "indicated," and "inferred" resources," that the SEC guidelines strictly prohibit U.S. registered companies from including in their filings with the SEC. U.S. Investors are urged to consider closely the disclosure in our Form 20F, File No. 01-31380, which may be secured from us, or from the SEC's website at <http://www.sec.gov/edgar.sht>.