



NEWS RELEASE

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FOR IMMEDIATE RELEASE

KILO ANNOUNCES DRILL RESULTS FROM MASTERS PROJECT, INCLUDING 28.6 G/T GOLD OVER 0.75 M

Toronto, Ontario. – December 17, 2009 – Kilo Goldmines Ltd. (TSX Venture: KGL) (“**Kilo**” or the “**Company**”) is pleased to report assay results from diamond drill holes on its 90% owned Masters project in Oriental Province of the Democratic Republic of Congo (“DRC”). Twelve diamond drill holes totaling 2,574.1 metres targeted a 700 metre strike length of a 1,200 metre long gold-in-soil anomaly that includes a 500 metre long active artisanal working. Assays of diamond drill core samples have been received for four of the twelve drill holes and they confirm the presence of gold to a minimum vertical depth of 155 metres beneath the artisanal working and over a minimum strike length of 160 metres. The significant gold intersections include:

DDH	From - To metres	Gold (g/t)	Interval (metre)
M3 DDH01	28.60 – 29.75	1.42	1.15
M3 DDH01	54.52 – 55.27	1.26	0.75
M3 DDH01	121.10 – 121.85	1.59	0.75
M3 DDH03	54.65 - 55.40	2.33	0.75
M3 DDH03	62.90 - 65.90	2.92	3.00
M3 DDH03	73.56 - 74.55	1.70	0.99
M3 DDH03	87.90 - 91.09	1.61	3.19
M3 DDH03	181.65 - 182.40	1.39	0.75
M3 DDH05	44.10 - 44.85	1.62	0.75
M3 DDH05	147.42 – 149.10	1.56	1.68
M3 DDH05	164.85 – 165.60	5.94	0.75
M3 DDH05	170.85 – 173.10	1.02	2.25
M3 DDH05	203.10 – 206.10	1.60	3.00
M3 DDH05	212.10 – 212.85	28.60	0.75
M3 DDH02	27.22 - 33.22	1.09	6.00
M3 DDH02	92.80 - 93.45	1.03	0.65
M3 DDH02	106.95 – 115.74	1.72	8.79

All of the diamond drill holes were drilled on an azimuth of 360° at an inclination of -50°. Drill holes

M3 DDH01, 03 and 05 were collared on the same section line. Drill hole M3 DDH03 was collared 40 metres south of M3 DDH01 and M3 DDH05 was collared 80 metres south of M3 DDH03. Diamond drill hole M3 DDH02 was collared 160 metres due west of M3 DDH03. Assay results indicate that multiple gold bearing zones are present. The gold intervals reported herein are drill core lengths; true thicknesses and orientation(s) of the gold zones are unknown. Assaying of un-sampled drill core on both sides of several of the gold intersections reported on herein will be carried out to verify if the entire drill core length of these gold bearing intersections has been determined.

During the period of June to November 2009 the company completed a total of 6,416.5 metres of diamond drilling in 32 drill holes on 5 target areas. Logging and sampling of the drill core is in progress and results will be reported when received. Figure 1 illustrating the property and areas targeted can be viewed on the website of the Company.

The drill holes on the M1, M3 and M6 targets intersected intermediate metavolcanics and tuffs, felsic volcanics, chert, silicate facies iron formation, clastic metasedimentary rocks, mafic intrusives, and quartz veins. Mineralization consisting of pyrite, pyrrhotite, and minor sphalerite, chalcopyrite and galena is present. The drill holes on the M2 target intersected granite, sheared granite, mafic intrusive, mica schist and quartz veins. Pyrite mineralization is present within the granite. The drill hole that evaluated the M4 target intersected granite with several narrow quartz veins.

Selected sections of the drill core were sawn in half; the sampled half of the core was placed in a plastic bag, a pre-numbered sample tag was inserted and the bag was stapled shut. The Company's quality control procedures include the insertion of commercial standards and blanks with each batch of drill core samples submitted for sample preparation and analysis. The samples were transported from the DRC by a commercial carrier to ALS Chemex in Mwanza, Tanzania, for sample preparation. Following sample preparation a pulp of each sample was couriered to ALS Chemex in Johannesburg, South Africa where gold analysis was carried out by the FA-AA method on a 50 gram charge. ALS Chemex is an internationally accredited laboratory.

The diamond drilling program was planned and supervised by geological consultant, Stanley Robinson. Stanley Robinson, M.Sc., P.Geol is the qualified person under National Instrument 43-101 who has reviewed the scientific and technical information contained in this release.

FOR FURTHER INFORMATION CONTACT:

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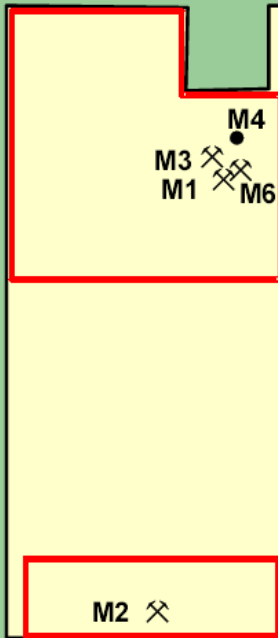
Website: www.kilogoldmines.com

This news release may contain forward looking statements concerning future operations of Kilo Goldmines Ltd. All forward looking statements concerning the Company's future plans and operations, including management's assessment of the Company's project expectations or beliefs may be subject to certain assumptions, risks and uncertainties beyond the Company's control. Investors are cautioned that any such statements are not guarantees of future performance and that actual performance and exploration and financial results may differ materially from any estimates or projections.

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

FIGURE 1:

**Map of the MASTERS PROJECT
areas explored, number of drill holes
and metres drilled on each target**



Diamond Drilling Summary June to November 2009		
Target	Drill Holes	Metres
M1	8	1,802.9
M2	10	1,781.7
M3	12	2,574.1
M4	1	138.7
M6	1	119.1
Totals	32	6,416.5



Artisanal Workings



Soil sampled area



KGL Masters sprl PRs
(Permis de Recherches)

0 5 10 15 20 25 30km

