

FOR IMMEDIATE RELEASE

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MIDLANDS CONFIRMS KANIAGO SOIL ZONES ARE ON DIRECT STRIKE WITH SIGNIFICANT GOLD DEPOSITS ON THE ASANKRANGWA GOLD BELT – GHANA

- 2 Zones are in a 030° NE soil gold corridor which is 7 km in strike length and on direct strike with the 1.7 million oz Esaase Gold Deposit of Keegan Resources and Abore Open Pit Mine

TSX-V:MEX

Toronto, Canada February 4th, 2008: Midlands Minerals Corporation (“Midlands” or the “Company”) is pleased to announce its Phase 2 in-fill soil survey at the Kaniago project confirms 5 gold soil anomalies (as reported in the February 13, 2007 press release) are on direct strike with important gold deposits surrounding the property. The Kaniago Project is located 20 kilometres south of Keegan Resources’ 1.7 million oz Esaase Gold Deposit on the Asankrangwa Gold Belt and is contiguous to Obotan Open Pit Mine with 2.8 million oz of gold, Adubiaso Open Pit Mine to the south, and Abore Open Pit Mine with 295,400 oz gold to the north.

- Zones 3 and 5 (reported on February 13, 2007) are in a 030° NE soil gold corridor, 7 kilometres in strike length and on direct strike with Abore Open Pit Mine and Keegan Resources’ Esaase Gold Deposit;
- Zone 1 is located on the eastern part of the project and is on strike with the Obotan Open Pit Mine;
- Zone 2 C is the northern extension of the Adubiaso Open Pit Mine previously operated by Resolute Mining.

Please click the link below to view map

www.midlandsminerals.com/press_releases/images/Kaniago_Gold_Project_02_08.pdf

The anomalous Zones 3 and 5 are part of a soil gold corridor oriented 030° NE crossing the western part of the Kaniago Property (please refer to the map above). The Kaniago soil corridor is in direct strike with the Abore Open Pit Mine which is interpreted to be on a regional gold trend with Keegan Resources’ Esaase Gold Deposit. Zone 1 is located in the eastern part of the Kaniago Project and is on strike with the Obotan Open Pit Mine and several other gold showings which form the Obotan gold trend. Each zone is significant in size and together, they are part of an important regional gold trend hosting several gold deposits. With these results, very large drill target areas have been identified on the Kaniago project.

On strike with Abore Open Pit Mine (295,400 oz gold) and Keegan Resources’ Esaase Gold Deposit (1.7 million oz gold)

Zone	Anomaly	Coordinates Center	Dimensions	Anomalous Values ppb Au
Zone 3	3A	607150E 703990N	920m x 300m	53 to 320
	3B	607620E 705430N	1.62 km x 200m	51 to 890
	3C	608710E 706660N	500m x 150m	50 to 640

Zone 5	5A	610500E 708980N	1.15 km x 170m	52 to 300
	5B	610090E 708220N	780 m x 100m	56 to 610
	5C	609790E 707400N	700m x 75m	58 to 98
	5D	610840E 708950N	1.57km x 100m	60 to 160
	5E	610450E 707800N	750m x 50m	64 to 72
	5G	611298E 708798N	275m x 220 m	50 to 92
	5H	611020E 708200N	314m x 75m	51 to 56
	5I	610640E 707620N	740m x 75 m	61 to 120

On strike with Obotan Open Pit Mine (2.8 million oz gold)

Zone	Main Anomaly	Coordinates Center	Dimensions	Anomalous Values ppb Au
Zone 1	1	615960E 706190N	1.36km x 345m	53 to 1230

On strike with Adubiaso Open Pit Mine operated by Resolute in 2001

Zone	Anomaly	Coordinates Center	Dimensions	Anomalous Values ppb Au
Zone 2	2C	611930E 705500N	850m x 170m	56 to 180

The Phase 2 soil survey was a follow-up to previous encouraging results obtained from the Phase I soil survey which was done at 400 meter spacing and 100 meter intervals as reported on February 13, 2007. Phase 2 was an in-fill survey with sample stations at 50 meters along lines spaced 200 meters between Phase I survey lines. A total of 2,857 samples were collected of which 1,240 soil samples were collected in Phase 1 and 1,617 soil samples in Phase 2. Samples were sent to the SGS Laboratory at Tarkwa in Ghana. Preparation of each sample consisted of drying and sieving at -80 mesh, from which a split of at least 1000gm of the sample was pulverized to -200 mesh in a homogenizing mill. 50 gm portions of each sample were analyzed for gold by Fire Assay.

Phase I results outlined a total of 5 anomalous zones with two zones (Zones 3 and 5) showing continuity over a 7 kilometre strike length in the western part of the property. The Phase 2 soil survey confirmed all anomalous zones and added detail to their distribution geometry.

Anomalies are defined by values above 50 ppb Au and up to 1320 ppb Au. The anomalies are grouped into zones determined by soil high background values which are determined statistically by the 75 percentile gold value population. The distribution of the zones permits the delineation of corridors that are on strike with the regional gold trend composed of mines and gold showings.

“We are pleased with these results from the Kaniago project. The proximity of Kaniago to past open pit gold producers and the evidence that significant soil anomalies are located on important gold trends, together provide good reason for encouragement,” said Kim Harris, President and Chief Executive Officer.

PLANNED EXPLORATION PROGRAM FOR 2008 - GHANA

Kaniago

Drilling is planned in the second half of 2008.

Sian/Praso

The resource estimation on Sian is currently underway following encouraging drilling results. A NI 43-101 revised resource estimate is expected by the middle of April, 2008. The next phase of drilling on Sian will be underway by the first week in March 2008. Up to 30 RC holes are planned.

The company’s major efforts are focused on the 160 square kilometre Sian/Praso gold project where there is already a 200,000 oz gold deposit (indicated resource of 1,355,000 tonnes @ 2.3 g/t Au and an inferred resource of 562,325 tonnes @ 5.7 g/t Au). The Sian project has a 30 year mining lease, infrastructure, a complete CIL gold processing plant, and power, roads buildings and water are in place. This fully permitted past open pit gold producer is located on the prolific Ashanti Goldbelt, 30 kilometres northeast of Newmont Mining’s 8.4 million oz Akyem gold deposit. The Sian gold mineralization type is a silica-carbonate alteration with disseminated pyrite similar to that found at Newmont’s Akyem gold deposit.

Sian produced gold between 2001 and 2004 with a gold recovery rate of 91%. Midlands’ goal is to increase the tonnage on Sian and move the project to a feasibility study by the end of 2008 with gold production expected by the end of 2010.

The scientific and technical information contained in this press release has been reviewed by Marc Boisvert, P.Eng., Vice President Exploration, who is a Qualified Person within the meaning of National Instrument 43-101.

About Midlands Minerals

Midlands operates in Ghana and Tanzania, two stable low risk countries with a history of gold mining. The Company has a diversified portfolio of high quality gold and diamond properties located near major gold deposits and on known prolific gold producing belts. The Company has a highly qualified management and technical team with extensive experience in the countries in which the Company operates.

On behalf of the Board

Kim Harris
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The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of the content of this news release.

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Certain statements contained in this news release constitute forward-looking statements. Such forward-looking statements involve a number of known and unknown risks, uncertainties and other factors, which may cause the actual results, performance or achievements of the company to be materially different from actual results and achievements expressed or implied by such forward-looking statements. Forward-looking statements consist of statements that are not purely historical, including any statements regarding beliefs, plans, expectations or intentions regarding the future. No assurance can be given that any of the events anticipated by the forward-looking statements will occur or, if they do occur, what benefits the Company will obtain from them. These forward-looking statements reflect management's current views and are based on certain expectations, estimates and assumptions which may prove to be incorrect.

The Company adds a cautionary statement to the effect that the potential quantity and grades referred to in this press release are conceptual in nature and there has been insufficient exploration to define a mineral resource. Further, the Company is uncertain if further exploration will result in discovery of a mineral resource. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date the statements were made. Readers are also advised to consider such forward looking statements while considering the risks inherent in the business of mineral exploration. For more information, investors should review the Company's filings that are available at www.sedar.com.