



PRESS RELEASE

**ENCOURAGING EXPLORATION RESULTS AT KIENA
SE Extension of S50 Zone Unexpectedly Encountered**

Toronto, Ontario – March 1, 2007 – Drilling targeting the depth projection of the South Zone from the 330 metre level has unexpectedly encountered broad zones of S50 Zone mineralization including intersections of 4.56 grams of gold per tonne over 13.3 metres, 4.42 grams of gold per tonne over 39.4 metres and 5.12 grams of gold per tonne over 15.9 metres (Table 1).

A series of 7 holes were winged downwards from a single drill setup to target the South Zone at depth. These holes identified widespread sub-economic mineralization in the South Zone giving encouragement the system continues at depth (Table 2).

Table 1 – S50 Zone Extension Intersections

Hole * No.	Azimuth (degrees)	Dip (degrees)	From (m)	To (m)	Corelength (m)	True Width (m)	Cut Grade (34.28gAu/tonne)
4114	169	-10	29.7	43.0	13.3	6.7	4.56
4115	156	-7	38.0	77.4	39.4	27.8	4.42
	including		58.9	77.4	18.5	13.1	6.8
4116	161	-19	107.3	108.9	1.6	1.0	3.85
	and		136.5	141.0	4.5	4.1	1.04
4117	179	-23	33.0	46.0	13.0	7.5	2.71
	and		61.1	77.7	15.9	9.1	5.12
4118	184	-40	130.3	137.3	7.0	6.6	1.70
4119	220	-42	59.2	65.4	6.2	5.3	2.35
4120	255	-34	59.8	68.6	8.8	5.1	2.92

Table 2 – South Zone Intersections

Hole * No.	Azimuth (degrees)	Dip (degrees)	From (m)	To (m)	Corelength (m)	True Width (m)	Cut Grade (34.28gAu/tonne)
4114	169	-10	182.5	185.8	3.3	2.8	4.77
	and		196.0	211.6	15.6	13.5	1.73
	and		217.6	221.8	4.2	3.4	3.43
4115	156	-7	149.2	153.3	4.0	2.8	0.22
	and		249.6	257.0	7.4	6.1	0.41
	and		274.0	278.7	4.7	4.1	0.20
4116	161	-19	198.4	202.5	4.1	3.4	1.47
	and		227.0	231.0	4.0	3.5	3.16
	and		238.0	242.0	3.9	3.4	1.53
4117	179	-23	124.1	132.3	8.2	7.1	1.37
	and		160.7	171.9	11.2	10.5	2.14
	and		174.0	182.3	8.3	6.8	0.88
4118	184	-40	153.0	156.4	3.4	3.3	3.07
	and		161.7	163.6	1.9	1.8	2.79
	and		180.5	181.5	1.0	0.8	2.94

4119	220	-42	111.6	113.9	2.3	2.0	1.14
	and		144.0	144.5	0.5	0.5	5.57
	and		165.3	167.3	2.0	1.8	6.18
4120	255	-34	109.8	118.3	8.5	6.0	1.84
	and		148.9	168.0	19.1	11.0	1.40

The S50 Zone consists of quartz vein stockwork and breccia mineralization hosted by albitized basalt. It forms an open Z-fold with a north-south axis approximately 500 metres long. Its southern edge is believed to be structurally dislocated by the east southeast striking Norbenite Shear which hosts the South Zone. This drilling clearly suggests the potential for identifying further S50 mineralization in close proximity to current underground workings. More drilling will be required to clearly define what is interpreted as a thick northwest plunging mineralized zone.

Assaying is performed by fire assay techniques on 30 gram aliquots at the Kiena mine assay office. Atomic absorption finish is applied to assays less than 3.0 gAu/tonne with gravimetric finish on assays greater than 3.0 gAu/tonne. In addition to internal duplicates, standards and blanks, the geology department inserts blind standards and blanks at a frequency of one in twenty samples. Paul Arscott, O.G.Q., Chief Geologist and George Mannard, P.Geo., Vice-President Exploration, both "Qualified Persons" as per 43-101, have compiled and double-checked all technical information in this press release.

Wesdome Gold Mines Ltd. is an established Canadian gold producer with mining operations and development projects in Wawa, Ontario and Val d'Or, Quebec. The Company has 90.5 million shares issued and trades on the TSX Exchange under the symbol "WDO".

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