



## PRESS RELEASE

### 811 ZONE DRILLING EXCEEDS EXPECTATIONS

**Toronto, Ontario September 20, 2010** – Wesdome Gold Mines Ltd. (WDO-TSX) is pleased to announce further high grade drilling results from the 811 zone at its 100% owned Eagle River Mine located 50 kilometres due west of Wawa, Ontario. These results compliment initial delineation drilling results released August 26, 2009 and subsequent results released July 6, 2010 ([www.wesdome.com](http://www.wesdome.com)).

The 811 zone has now been traced 300 metres (1,000 feet) below existing workings and remains open at depth. It averages about 150 metres (500 feet) in length and demonstrates strong, consistent grades and widths.

Highlights of the drilling include the following consecutive holes drilled on section 9375E.

- **EU-374**            **70.14 gAu/tonne over 1.97 metres true width**
- **EU-375**            **45.12 gAu/tonne over 1.92 metres true width**
- **EU-376**            **37.03 gAu/tonne over 2.75 metres true width**
- **EU-377**            **38.77 gAu/tonne over 5.82 metres true width**
- **EU-378**            **43.55 gAu/tonne over 4.90 metres true width**

Donovan Pollitt, P.Eng., President commented “This year’s drilling clearly demonstrates much higher grades than previously indicated. This should have a positive impact on our year-end reserve estimates.”

Results for three cross sections are presented in Table 1 with the locations of the drill holes illustrated on the accompanying longitudinal section (Figure 1).

**Table 1**

Section	Hole No.	From (m)	To (m)	Core Length (m)	True Width (m)	Grade (gAu/tonne)	Cut Grade (140 gAu/tonne)
9400E	EU-345	174.00	175.50	1.50	1.45	12.39	12.39
	EU-346	197.65	199.45	1.80	1.56	3.42	3.42
	EU-347	210.20	211.90	1.70	1.47	14.42	14.42
	EU-348	241.40	243.40	2.00	1.73	1.79	1.79
	EU-349	252.40	254.10	1.70	1.47	1.24	1.24
	EU-350	297.10	301.00	3.90	2.51	16.80	16.80
9375E	EU-351	314.40	317.20	2.80	2.42	78.83	72.61
	EU-369	164.10	165.90	1.80	1.69	71.65	59.05
	EU-370	172.50	174.20	1.70	1.47	19.20	19.20
	EU-371	192.50	194.10	1.60	1.50	0.41	0.41
	EU-372	201.50	203.20	1.70	1.47	1.61	1.61
	EU-373	236.00	237.70	1.70	1.47	19.65	19.65
	EU-374	258.60	261.00	2.40	1.97	70.14	42.49
	EU-375	259.95	262.45	2.50	1.92	45.12	43.86

	EU-376	289.90	294.70	4.80	2.75	37.03	26.10
	EU-377	308.30	315.90	7.60	5.82	38.77	36.25
	EU-378	314.60	321.00	6.40	4.90	43.55	37.53
9350E	EU-380	174.50	176.20	1.70	1.47	0.26	0.26
	EU-381	189.40	191.15	1.75	1.52	23.04	23.04
	EU-382	200.75	202.70	1.95	1.49	1.26	1.26
	EU-383	213.05	214.85	1.80	1.47	7.82	7.82
	EU-384	255.40	257.40	2.00	1.53	9.86	9.86
	EU-385	261.60	263.30	1.70	1.47	18.82	18.82
	EU-386	358.80	361.10	2.30	1.48	2.82	2.82

The 811 zone strikes east-west and dips 70 degrees north. It consists of laminated white quartz, minor sulphides and free gold hosted in a sheared quartz diorite stock.

All assays are performed at the Eagle River mine assay office by fire assay on 25 gram sample aliquots. Duplicates, replicates, blanks and standards are routinely incorporated into the sample stream to monitor quality control. George Mannard, P. Geo and Vice President Exploration, Wesdome Gold Mines Ltd. is the "Qualified Person" responsible for the technical content of this Press Release as required by National Instrument 43-101.

#### **ABOUT WESDOME**

Wesdome is an established Canadian gold producer with wholly-owned mining and milling complexes located in Wawa, Ontario and Val d'Or, Québec. Wesdome has been producing gold continually for 20 years on an unhedged basis and to date has produced in excess of 1.0 million ounces. The Company has 100.8 million shares issued and outstanding and trades on the Toronto Stock Exchange under the symbol "WDO".

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Figure 1: Long Section Zone 8

