



NORTHERN
G O L D MINING INC.

Northern Gold Drills 102.5 metres of 1.38 g/t Gold including 32.0 Metres of 2.25 g/t and 2.0 Metres of 12.33 g/t on the Garrison Property east of Timmins

- GAR-09-03: 34.0 m grading 1.05 g/t Au
- GAR-09-04: 102.5 m grading 1.38 g/t Au including 32.0 m grading 2.25 g/t and 2.0 m grading 12.33 g/t
- GAR-09-05: 151.0 m grading 0.88g/t and 83.0 m grading 1.00 g/t Au

Toronto, Ontario (January 25, 2010): Northern Gold Mining Inc. (“Northern Gold” or “the Company”) (TSX-V: NGM) announces drill results from holes GAR-09-03, GAR-09-04, and GAR-09-05 of the fall 2009 diamond drill program on the Garrcon zone of its Garrison gold property in Northern Ontario. Drilling commenced on October 26, 2009 and was completed on December 11, 2009. A total of 2,333 metres (“m”) was drilled in eleven holes, focused on confirming high grade gold (“Au”) mineralization at the Garrcon Zone in the North, Shaft, and South sub-zones.

Analyses have now been received for the first five holes, with multiple occurrences of visible gold observed as fine dissemination in each of the first eight holes logged to date. Visible gold was observed in twenty separate intervals in hole GAR-09-04 within the Shaft sub-zone. A broad intersection of the Garrcon Shaft “B” and “C” zones graded 1.38 g/t over 102.5 m, which included higher grade intersections of 12.33 g/t Au across 2.0 m, 19.59 g/t Au across 1.2 m, and 17.99 g/t Au across 0.7 m.

GAR-09-03, GAR-09-04, and GAR-09-05 were designed to test the Shaft sub-zone. Hole GAR-09-03 was drilled south and collared 40 m west of GAR-09-02 and 100 m east of the Garrcon shaft. This drill hole finished in the historic mine workings on the 73 m level, with several flecks of visible gold noted one m from the wall of the workings. GAR-09-04 was drilled south and collared 15 m east of the Garrcon shaft with multiple occurrences of visible gold also noted in the shaft zones. GAR-09-05 was drilled south and stepped out 30 m east of drill hole GAR-09-04 and 45 m east of the Garrcon shaft.

The current diamond drilling program has confirmed a strike length on the Shaft sub-zone of 195 m with a depth beyond 200 m (as previously reported by ValGold in a press release dated November 22, 2006 - 13.5 m grading 3.48 g/t Au). The following table highlights the various high grade intersections in the current three holes:

HOLE ID	FROM	TO	LENGTH	ZONE	GRADE
GAR-09-03	26.0	60.0	34.0m	Shaft Zones	1.05g/t *VG
including	41.5	42.0	0.5m	Shaft B Zone	6.39g/t
including	54.0	60.0	6.0	Shaft B Zone	2.01g/t *VG
GAR-09-03	76.5	78.8	2.3m	Shaft C Zone	1.33g/t *VG
GAR-09-04	9.0	10.0	1.0m		2.60g/t

GAR-09-04	29.0	37.5	8.5m	Shaft A Zone	1.19g/t *VG
GAR-09-04	44.0	50.0	6.0m	Shaft A Zone	1.12g/t *VG
GAR-09-04	76.5	179.0	102.5m	Shaft B+C Zones	1.38g/t *VG
including	113.0	115.0	2.0m	Shaft B Zone	12.33g/t
and	147.0	179.0	32.0m	Shaft C Zone	2.25g/t *VG
including	147.0	148.2	1.2m	Shaft C Zone	19.59g/t *VG
and	151.0	151.7	0.7m	Shaft C Zone	17.99g/t *VG
and	159.0	159.7	0.7m	Shaft C Zone	9.20g/t *VG
and	177.5	178.5	1.0m	Shaft C Zone	10.76g/t *VG
GAR-09-04	186.0	187.0	1.0m		1.86g/t
GAR-09-04	196.8	197.3	0.5m		3.84g/t
GAR-09-04	208.5	211.2	2.7m		1.34g/t *VG
GAR-09-04	236.0	237.0	1.0m		1.18g/t
GAR-09-05	20.0	103.0	83.0m	Shaft A+B Zones	1.00g/t *VG
including	20.0	36.0	16.0m	Shaft A Zone	1.41g/t *VG
and	57.0	63.0	6.0m	Shaft A Zone	3.38g/t
and	101.0	102.0	1.0m	Shaft B Zone	10.22g/t
GAR-09-05	127.0	128.5	1.5m	Shaft C Zone	7.25g/t
GAR-09-05	170.0	171.0	1.0m	Shaft C Zone	12.04g/t *VG
GAR-09-05	207.0	213.0	6.0m		1.50g/t *VG
GAR-09-05	235.0	236.0	1.0m		2.36g/t

Note: All widths are downhole thickness; *VG-visible gold observed in sample interval

“These highly encouraging results have demonstrated that gold occurs in broad mineralized zones with localized high grade sections in the Garrcon zone of the Garrison gold property. Both GAR-09-04 and GAR-09-05 intersected low grade mineralization through the entire shaft zone,” said Martin Shefsky, President and CEO of Northern Gold Mining Inc. Mr. Shefsky continued: “These broad intersections clearly support the potential for the Garrcon zone to host a bulk tonnage resource of up to 30 million tonnes ranging in grade from 1 to 3 grams per tonne gold, as discussed in our NI 43-101 report.” The potential quantity and grade is conceptual in nature and as a result it is uncertain if further exploration will result in the discovery of a mineral resource. It is the goal of the company to work towards obtaining a resource calculation on the Garrcon Zone.

Northern Gold expects to have the remainder of the assays from the drill program available over the next 1-2 months. The Company plans to contract a phase two drill program on the Garrison property’s Garrcon Zone in the next few months, after all assays have been received, compiled, and digitized into the current 3-D model.

Northern Gold Mining Inc. 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 rock samples collected were sent to Swastika Laboratories in Swastika, Ontario, and analyzed using the appropriate gold fire assaying technique. Sample standards and blanks are inserted into the sample stream at regular intervals to ensure at least 1 standard or blank is included in each analytical run at the lab in order to ensure lab integrity. Approximately 5% of sample rejects and/or pulps will be sent to a different lab from the lab which ran the original assay for check assaying.

This Press release has been reviewed by Brad Leonard P.Geo., exploration manager for Northern Gold Mining Inc., who is the “Qualified Person” as defined by NI 43-101 for this project.

Northern Gold Mining Inc. is a Toronto based junior resource company dedicated to gold exploration in the Kirkland Lake mining camp of Northern Ontario. Its focus is the Garrison gold property, which contains an indicated resource of 253,100 tonnes grading 7.77 grams per tonne gold (63,200 ounces) and an inferred resource of 1,555,800 tonnes grading 4.93 grams per tonne gold (246,540 ounces) in four sub-zones of the Jonpol Zone in the northern part of the property, as described in the NI 43-101 report filed by Northern Gold on SEDAR on 21 October 2009.

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