

Novo Resources Corp.

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Novo Resources Begins Second Phase Drilling at its Beatons Creek Gold Project, Western Australia

VANCOUVER, September 5, 2012 - **Novo Resources Corp.** (“Novo Resources” or the “Company”) (CNSX: NVO; OTCQX: NSRPF) is pleased to announce second phase drilling has begun at its Beatons Creek Gold Project in Western Australia. Over the next two months, the Company will conduct step-out and infill reverse circulation drilling (*see attached map showing proposed drill program*) at Grants Hill where recent drill results (*see press release dated August 21, 2012*) encountered an approximately 15- to 35-meter thick, shallowly dipping gold-bearing conglomerate sequence.

“Results from our first phase of drilling at Beatons Creek were very encouraging,” stated Dr. Quinton Hennigh, President and CEO of Novo Resources. “Over the next two months, we plan to determine if the gold-bearing conglomerate sequence continues to the northwest where recent mapping suggests bedding flattens. If so, we expect to see this same package of rocks at shallow depth under a larger area. Later this year, we plan to test shallow gold-bearing conglomerates on Golden Crown Hill as well as south of Grants Hill where they are projected to extend onto recently acquired Creasy joint venture ground.”

- The Company is currently awaiting results from metallic screen assays being conducted on 566 samples from 43 recently completed drill holes at Grants Hill. Leachwell analyses from these holes were announced in a news release dated August 21, 2012. A NI 43-101 technical report on the Pilbara projects is currently being prepared and will include metallic screen assays from first phase drilling. Completion of this report is expected in October, 2012.
- The second phase drilling encompasses about 7,500 meters of step-out and infill holes in the Grants Hill area where recent reverse circulation drilling encountered near-surface gold-bearing conglomerate beds with an aggregate thickness of about 15 to 35 meters. These beds dip shallowly westward at about 12-15 degrees. Recent mapping suggests bedding may flatten further west. If so, these conglomerates may occur at depths of less than 100 meters over a broader area.
- The third phase drilling encompasses about 2,000 meters of proposed holes targeting Golden Crown Hill, an area where historic RAB drilling reportedly encountered gold-bearing conglomerate beds at depths less than 50 meters. This phase is planned to begin in November.
- Near the end of the year, the fourth phase drilling encompassing about 2,000 meters of holes will test extensions of gold-bearing conglomerates south of Grants Hill onto newly acquired Creasy joint venture ground.
- Scout drilling on new targets in the Nullagine and Marble Bar areas will occur later this year as time permits.

- Should drilling return favourable results, additional drilling is proposed for 2013 to test extensions of gold-bearing conglomerates further into the basin.

About Beatons Creek

The Beatons Creek Tenements cover extensive exposures of the Beatons Creek conglomerates, a series of Archaean age pyritic conglomerates hosting gold mineralization similar to that of the Witwatersrand Basin in the Republic of South Africa. Shallow gold reefs were first identified and mined in this area beginning in the late 1800's. Novo Resources current drill program is the first modern, systematic exploration on the property.

Dr. Quinton Hennigh, the Company's Chief Executive Officer, President and Director and a Qualified Person as defined by National Instrument 43-101, has approved the technical contents of this news release. Novo Resources personnel have performed work at Beatons Creek under the supervision of Dr. Hennigh.

About Novo Resources Corp.

Novo's focus is to evaluate, acquire and explore natural resource properties and make strategic investments in gold exploration companies. The Company presently has joint ventures earning a 70% interest two exploration properties, Beatons Creek and Marble Bar, situated in Western Australia. For more information, please contact Leo Karabelas at (416) 543-3120 or e-mail leo@novoresources.com

On Behalf of the Board of Directors,

Novo Resources Corp.

“Quinton Hennigh”

Quinton Hennigh
CEO and President

The Canadian National Stock Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of the content of this news release.

Forward-looking information

Some statements in this news release contain forward-looking information (within the meaning of Canadian securities legislation), including without limitation statements as to the planned activities and timing of the second, third and fourth work programs. These statements address future events and conditions and, as such, involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the statements. Such factors include, without limitation, the ability to complete the drilling program as currently contemplated, the receipt of successful results as drilling proceeds, customary risks of the mineral resource exploration industry as well as Novo Resources having sufficient cash to fund the planned drilling and other activities.