

# Media Release

**Claude Resources Inc.**  
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Claude Resources Inc.  
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Trading Symbols  
TSX – CRJ  
NYSE Amex – CGR

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## Claude Resources Drills 161.86 Metres at 1.29 Grams of Gold and 8.0 Grams of Silver per Tonne at Amisk Gold Project

Claude Resources Inc. (TSX-CRJ; NYSE Amex-CGR) (“Claude” or the “Company”) continues to demonstrate potential with further drill intercepts from its exploration program at the Amisk Gold Project in northeastern Saskatchewan, Canada.

A total of 11 holes were completed and assayed from the 2010 winter drill program. The intercepts tested from surface to approximately 300 metres depth with mineralization intercepted in all holes. The results from the remaining six holes as well as those previously released are presented below.

Hole	Easting	Northing	Az/Dip	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)
AL-10-274	9783	5102	180/-45	23.50	29.45	5.95	3.32	7.5
			<i>incl</i>	28.00	29.45	1.45	11.83	20.4
AL-10-274	9783	5102	180/-45	106.80	189.30	82.50	0.72	6.8
			<i>incl</i>	187.30	188.10	0.80	16.44	145.6
AL-10-276	10004	5097	180/-65	39.60	92.60	53.00	0.55	3.3
AL-10-276	10004	5097	180/-65	97.10	193.30	96.20	1.05	7.8
			<i>incl</i>	175.55	177.05	1.50	9.76	20.1
AL-10-277	10002	5097	215/-65	22.90	260.30	237.40	0.98	8.5
			<i>incl</i>	126.90	128.80	1.90	9.99	86.8
			<i>incl</i>	211.60	214.60	3.00	13.29	56.6
AL-10-279	9978	5059	215/-45	10.40	129.50	119.10	0.92	5.1
			<i>incl</i>	23.70	25.20	1.50	13.12	14.7
AL-10-280	9932	5009	180/-45	10.55	43.25	32.70	0.86	4.0
AL-10-281	9944	5082	180/-65	6.14	56.98	50.84	0.80	4.7
AL-10-281	9944	5082	180/-65	87.14	249.00	161.86	1.29	8.0
			<i>incl</i>	112.67	114.23	1.56	10.44	13.1
			<i>incl</i>	195.00	203.81	8.81	8.41	42.8
			<i>incl</i>	211.64	215.74	4.10	8.08	13.7
AL-10-271*	9648	5045	180/-55	190.73	200.30	9.57	1.02	5.4
AL-10-272*	9726	5151	180/-55	196.02	212.10	16.08	1.24	15.2

AL-10-273*	9654	5223	180/-55	300.65	334.95	34.30	0.49	2.9
AL-10-275*	9921	4925	64/-45	10.65	45.50	34.85	2.91	4.3
			<i>incl</i>	12.18	13.00	0.82	13.27	8.0
			<i>incl</i>	15.27	16.11	0.84	39.22	15.2
			<i>incl</i>	32.00	33.00	1.00	28.89	26.5
AL-10-278*	9976	5059	180/-45	11.30	98.00	86.70	1.03	6.0
			<i>incl</i>	44.00	46.00	2.00	14.94	4.4

*\*Previously released on May 12, 2010.*

*Note: Intervals noted are intercepted width not true width, have been calculated using a 0.3 g/tonne cut-off and are uncut. They may include internal dilution.*

“These 11 holes from the winter drill program have successfully confirmed near-surface, potentially bulk-mineable gold and silver mineralization. A significant number of the holes ended in mineralization. To date we have tested a strike length of 550 metres, with the potential to expand the system to the west, southwest and down dip to the northeast. These results are very encouraging and we look to expand on them through the summer program,” stated Brian Skanderbeg, Vice President Exploration.

A summer exploration program, inclusive of resampling of historic core and further diamond drilling, is scheduled to begin in June.

The 12,100 hectare Amisk Gold Project is located in Saskatchewan, 20 kilometres southwest of Flin Flon, Manitoba. Claude Resources holds a 65 percent working interest in the project, with St. Eugene Mining Corporation Ltd. holding the remainder. Claude also holds a 16.3 percent interest in St. Eugene's issued and outstanding common shares as of May 31<sup>st</sup>, 2010.

A plan map of the Amisk Gold Project, detailed map showing historic and current drill collar locations and a cross section through the deposit can be viewed at Claude's website. [www.clauderresources.com](http://www.clauderresources.com).

Brian Skanderbeg, P.Geo. M.Sc., Claude's Vice-President Exploration, is the Qualified Person who has reviewed and approved the contents of this news release. Drill core was halved and samples averaging 1.0 to 1.5 meters were submitted to TSL Laboratories in Saskatoon, Saskatchewan, an ISO approved facility. Rigorous quality assurance and quality control procedures have been implemented including the use of blanks, standards and duplicates (1 in 20 samples). Core samples were analyzed by a 30 gram gold fire assay with an atomic absorption, conventional gravimetric and/or screen fire techniques.

Claude Resources Inc. is a public company based in Saskatoon, Saskatchewan, whose shares trade on the Toronto Stock Exchange (TSX-CRJ) and the NYSE Amex (NYSE Amex-CGR). Claude is a gold exploration and mining company with an asset base located entirely in Canada. Since 1991, Claude has produced approximately 890,000 ounces of gold from its Seabee mining operation in northeastern Saskatchewan. The Company also owns 100 percent of the 10,000 acre Madsen property in the prolific Red Lake gold camp of northwestern Ontario and has a 65 percent working interest in the Amisk Gold Project in northeastern Saskatchewan.

## **CAUTION REGARDING FORWARD-LOOKING INFORMATION**

This Press Release may contain statements which constitute ‘forward-looking’ statements, including statements regarding the plans, intentions, beliefs and current expectations of the Company, its directors, or its officers with respect to the future business activities and operating performance of the Company. The words “may”, “would”, “could”, “will”, “intend”, “plan”, “anticipate”, “believe”, “estimate”, “expect” and similar expressions, as they relate to the Company, or its management, are intended to identify such forward-looking statements. Investors are cautioned that any such forward-looking statements are not guarantees of future business activities or performance and involve risks and uncertainties, and that the Company’s future business activities may differ materially from those in the forward-looking statements as a result of various factors. Such risks, uncertainties and factors are described in the periodic filings with the Canadian securities regulatory authorities, including the Company’s Annual Information Form and quarterly and annual Management’s Discussion and Analysis, which may be viewed on SEDAR at [www.sedar.com](http://www.sedar.com). Should one or more of these risks or uncertainties materialize, or should assumptions underlying the forward-looking statements prove incorrect, actual results may vary materially from those described herein as intended, planned, anticipated, believed, estimated or expected. Although the Company has attempted to identify important risks, uncertainties and factors which could cause actual results to differ materially, there may be others that cause results not to be as anticipated, estimated or intended. The Company does not intend, and does not assume any obligation, to update these forward-looking statements.

## **CAUTIONARY NOTE TO US INVESTORS CONCERNING RESOURCES ESTIMATES**

The resource estimates in this document were prepared in accordance with National Instrument 43-101, adopted by the Canadian Securities Administrators. The requirements of National Instrument 43-101 differ significantly from the requirements of the United States Securities and Exchange Commission (the “SEC”). In this document, we use the terms “measured,” “indicated” and “inferred” resources. Although these terms are recognized and required in Canada, the SEC does not recognize them. The SEC permits US mining companies, in their filings with the SEC, to disclose only those mineral deposits that constitute “reserves”. Under United States standards, mineralization may not be classified as a reserve unless the determination has been made that the mineralization could be economically and legally extracted at the time the determination is made. United States investors should not assume that all or any portion of a measured or indicated resource will ever be converted into “reserves.” Further, “inferred resources” have a great amount of uncertainty as to their existence and whether they can be mined economically or legally, and United States investors should not assume that “inferred resources”.

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