

Cartier Resources Files NI 43-101 Technical Report on SEDAR for Resource Estimate of the Pusticamica Gold Deposit on the Benoist Property

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VAL-D'OR, Jan. 29, 2021 - [Cartier Resources Inc.](#) (TSX-V: ECR) ("Cartier") announces that it has filed on SEDAR the technical report titled "NI 43-101 Technical Report and Mineral Resource Estimate for the Benoist Property, Qu?bec, Canada ", bearing the date of signature of the January 28th 2021.

The NI 43-101 compliant report, completed by InnovExplo Inc. for Cartier, includes mineral resource estimate for the Pusticamica Gold Deposit (FIGURE 1) of the Benoist Property, located 70 km northeast of Lebel-sur-Qu?villon in the province of Qu?bec. The report is available on SEDAR and on the Company's website.

Highlights of the Benoist property:

As reported in the December 17, 2020 press release, the resource estimate for the Pusticamica Gold Deposit is as follows:

- 1,455,400 tonnes at an average grade of 2.87 g/t AuEq for a total of 134,400 ounces of gold in the indicated resource
- 1,449,600 tonnes at an average grade of 2.30 g/t AuEq for a total of 107,000 ounces of gold in the inferred resource

The current controlled directional drilling program consists of 4 phases totaling approximately 30,000 m. These phases are:

- Phase I: Delimit by drilling the extension of the mineralization of the Pusticamica deposit between 350 and 650 m
- Phase II: Delimit by drilling the extension of the mineralization of the Pusticamica deposit between 650 and 950 m
- Phase III: Explore the potential peripheral to the Pusticamica deposit to discover additional deposits. A total of 10 drill holes are planned for this phase.
- Phase IV: Define the upper part (30 m to 350 m) of the deposit to increase the resources and collect mineral samples for analysis.

The table below presents the estimated mineral resources to date for the Benoist Property:

Structure	Metric Tonne (t)	Grade Au (g/t)	Grade Cu (%)	Grade Ag (g/t)	Grade AuEq (g/t)	Troy Ounces Au	Pound Cu (lb)	Troy Ounces Ag
Indicated Resource								
Dyke	23,600	2.77	0.02	0.62	2.80	2,100	11,600	500
Pusticamica	1,431,800	2.56	0.19	8.50	2.87	118,000	5,963,200	391,400
Total	1,455,400	2.57	0.19	8.37	2.87	120,100	5,974,800	391,900
Inferred Resource								
Dyke	397,900	2.58	0.01	0.54	2.60	33,000	106,500	6,900
Pusticamica	1,051,700	2.06	0.07	3.26	2.18	69,700	1,679,400	110,300
Total	1,449,600	2.20	0.06	2.51	2.30	102,700	1,785,900	117,200

At this stage, it is reasonable to believe that a crown pillar, somewhere between 500,000 and 700,000 t at grades between 3.5 g/t AuEq and 4.5 g/t AuEq, may be added to the project conditional to the success of a geotechnical drilling program, a rock mechanic study and a resources estimation that follow NI 43-101 and CIM definitions and guidelines. This is based on drilling results and preliminary grade block model covering the crown pillar between 30 m to 100 m below surface. The reader should be cautioned that this potential crown pillar is not a mineral resource estimate and is conceptual in nature. There has been insufficient exploration and engineering works to define this as a mineral resource, and it is uncertain if further exploration and engineering will result in the exploration target being delineated as a mineral resource.

The table of the sensitivity of the cut-off grade on gold resources is presented below:

Cut-off Grade AuEq (g/t)	Metric Tonne (t)	Grade Au (g/t)	Grade Cu (%)	Grade Ag (g/t)	Grade AuEq (g/t)	Troy Ounce Au (oz)	Pound Cu (lb)	Troy Ounce Ag (oz)	Troy Ounce AuEq
Indicated Resource									
1.0	1,921,100	2.20	0.173	7.65	2.48	135,600	7,311,900	472,600	153,100
1.0	1,921,100	2.20	0.17	7.65	2.48	135,600	7,311,900	472,600	153,100
1.5	1,455,400	2.57	0.19	8.37	2.87	120,100	5,974,800	391,900	134,400
2.0	1,037,300	3.00	0.20	9.05	3.33	100,100	4,505,500	301,800	111,000
2.5	706,700	3.49	0.21	9.73	3.84	79,400	3,209,500	221,100	87,200
3.0	479,300	3.99	0.22	10.47	4.36	61,500	2,291,900	161,400	67,100
Inferred Resource									
1.0	3,516,000	1.54	0.07	3.14	1.67	174,500	5,893,700	354,500	188,300
1.5	1,449,600	2.20	0.06	2.51	2.30	102,700	1,785,900	117,200	107,000
2.0	823,500	2.66	0.05	2.17	2.74	70,500	822,200	57,400	72,500
2.5	381,200	3.29	0.03	1.65	3.34	40,300	256,900	20,200	40,900
3.0	198,400	3.87	0.03	1.71	3.93	24,700	143,600	10,900	25,100

The table above illustrates the sensitivity of this mineral resource estimate to different cut-off grades for an underground operation scenario with reasonable prospects for economic extraction. The reader should be cautioned that the figures provided in the Table should not be interpreted as a mineral resource statement. The reported quantities and grade estimates at different cut-off grades are presented in-situ and for the sole purpose of demonstrating the sensitivity of the model.

Additional notes on resource estimates

- These mineral resources are not mineral reserves because their economic viability has not been demonstrated. The resources reported in this mineral resource estimate is uncertain and there can be no assurance that some or all of the resources reported will be converted to indicated mineral resources with further exploration drilling.
- The mineral resource estimate is in accordance with the current standards and guidelines of the Canadian Institute of Mining, Metallurgy and Petroleum (CIM) and NI 43-101 for the publication of mineral resources.
- Resources are presented in-situ for an undiluted underground operation scenario and considered to have reasonable prospects for economic extraction.
- A cut-off grade of 1.5 g/t AuEq was used to estimate mineral resources from calculations made with the following k

- Gold price of US \$ 1,610 / oz;
- Exchange rate of US \$ 1.33 / CAN \$ per troy ounce;
- Cost of mining and hoisting 55 CAN \$/t;
- Milling cost of 22.50 CAN \$/t;
- "G&A" and environmental costs of CAN \$ 9.50 / t including a non-redeemable 0.5% NSR (Net Smelter Return);
- The AuEq conversion formula uses a silver price of US \$ 18.30 / oz and a copper price of US \$ 2.67 / lb;
- Recovery percentage of gold at mill of 90%.

- The estimate was made from a database as May 19th 2020, of 93 drill holes totaling 32,356 m drilled and 14,243 samples collected over a core length of 14,647 m representing 45 % of the drilled core length. For silver, 5,334 samples were collected over 6,537 m. This database contains 453 blank and standard samples, inserted by Cartier on May 25, 2014. This database was validated before starting to estimate resources. The estimate was carried out on 2 m composites (Pusticamica and Dyke), intersected by 2,880 m of drilling, having produced 124 different gold intersections.

- Two mineralized structures (Pusticamica and Dyke) where each of those is divided into North and South domains with a minimum true width of 2.4 m. An in-situ density of 2.88 g/cm³ was applied to all structures. The raw assays were capped at 20 g/t Au for the Pusticamica Structure and 20 g/t Au for the Dyke Structure, while the Ag and Cu values remain uncapped except for the Pusticamica Structure. The grades were capped at 122 g/t Ag. The 1 m composites were calculated inside the structures using the content of the structure value of zero when not assayed.

- Given the nature of the polymetallic mineralization (Au, Cu and Ag), the width of the zones and its wide distribution, the project is expressed in gold equivalent (AuEq) and the assumptions made for its calculation are considered for a preliminary mining scenario. For this mineral resource estimate, a cut-off grade of 1.5 g/t AuEq has been used. The assumptions described below. Specific extraction methods are only used to establish reasonable cut-off grades for various parts of the project. Economic Assessment), PFS (Preliminary Feasibility Study) or FS (Feasibility Study) study has been carried out to establish the technical feasibility of exploiting part of the mineral resource by a method of particular extraction. The cut-off grade is based on existing market conditions and other factors, such as : gold price, exchange rate, mining method, associated costs, etc. The cut-off grade is based on the economic parameters presented in point 4 above. The selection of reasonable forward grades that some or all of the estimated resources could potentially be extracted, is based on a scenario of underground mining. This is also based on the assumption of a scenario of milling and tailings pond on site when there will be a sufficient mineral resource. After evaluating the sensitivity of the project and for homogenization purposes, the QP retained the cut-off grade for this mineral resource estimate.

- The present mineral resource estimate was performed using a block model approach with GEMS (v.6.8.2). The mineral resource (Au, Cu) was obtained by Ordinary Kriging (OK) using rigid limits between structures but soft limits for domains of the same structure. The grades were calculated after interpolation of the different metals.

- The mineral resource estimate presented here is categorized into indicated and inferred resources. The indicated resources are estimated by interpolation using a search ellipsoid that contains a minimum of three drill holes within a 25 m radius. The category of inferred resources is estimated by interpolation using a search ellipsoid which contains a minimum of two drill holes within a radius of 50 m.

- The number of metric tons has been rounded to the nearest hundred and the metal content is presented in troy ounces per tonne to the nearest tenth.

- InnovExplo Inc. is not aware of any environmental, permit, mining claim or legal, tax, socio-political, commercial or other factors that could have a significant impact on the mineral resource estimate.

Features of the Benoist Project

- The Benoist Property hosts the Pusticamica gold deposit, which also contains copper and silver concentrations.
- This mineralization has all the typical characteristics sought by Cartier and as at the Chimo Mine Project could rapidly outline high-tonnage mineralization.
- Cartier holds a 100% interest in the property for which 2.6% net smelter return ("NSR") royalties have been awarded of which 2.1% is redeemable at any time for CAN \$ 2.05M.
- The property, which is accessible year-round via forestry road 3000, is located near the mills of the Langlois and Bachelor mines and the future mill of Osisko Mining's Windfall Project.
- Work to date on the property consists of 93 boreholes totalling 32,356 m, resulting in 14,243 samples collected over a sampled length of 14,647 m.

About Cartier

[Cartier Resources Inc.](#), founded in 2006, is based in Val-d'Or, Quebec. The province has consistently ranked as one of the world's best mining jurisdictions, primarily because of its favourable geology, attractive fiscal environment and pro-mining government.

- The Company has a strong cash position with more than \$12.9 million and a significant corporate and institutional endorsement, including Agnico Eagle Mines, Jupiter Asset Management, and Quebec investment funds.
- Cartier's strategy is to focus on gold projects with features that offer the potential for rapid growth.
- The Company holds a portfolio of exploration projects in the Abitibi Greenstone Belt of Quebec, one of the world's most prolific mining regions.
- The Company's focus is to advance its four key projects through drilling programs. All of the projects were acquired at reasonable costs in recent years and are drill-ready with targets along the geometric extensions of gold deposits.
- Exploration work is currently focused on the Chimo Mine and Benoist properties to maximize value for investors. The Company is preparing the next phase of exploration work, which will entail drilling programs on the Benoist, Fenton and Wilson properties.

Qualified Persons

The scientific and technical information on the Company and the Benoist Project in this news release was prepared and reviewed by Mr. Gaetan Lavallée, P.Geo., Ph.D, Cartier's Vice-President, and Mr. Ronan D'roff, P.Geo, M.Sc., Cartier's Senior Geologist, Project Manager and Geomatician, both qualified persons as defined in NI 43-101. Mr. Lavallée approved the information contained in this press release.

The qualified persons independent of the issuer within the meaning of NI 43-101, responsible for estimating the mineral resources of the Pusticamica gold deposit of the Benoist Property, are Ms. Christine Beausoleil, P.Geo. and Claude Savard, P.Geo., of InnovExplo Inc. Ms. Beausoleil and Ms. Savard declare that they have read this press release and that the scientific and technical information relating to the resource estimate presented therein is consistent.

About InnovExplo

InnovExplo is a consulting firm providing services in mineral exploration, mining geology, mineral resources, mining engineering, the environment, and sustainable development. Since its founding in 2003, InnovExplo has worked on 450 different mandates for 170 junior mineral exploration companies and producers. The firm has produced more than 300 geological or engineering reports for projects covering almost all areas of a mining project, from exploration to operations, mainly including the drafting of NI 43-101 technical reports.

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