

Bonterra Resources Intersects Near-Surface Mineralization Near Its Bachelor Mill Complex at Its 100% Owned Desmaraisville South Project

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Val-d'Or, Dec. 17, 2024 - [Bonterra Resources Inc.](#) (TSXV: BTR) (OTCQX: BONXF) (FSE: 9BR2) ("Bonterra" or the "Company") is pleased to announce initial assay results from its 4,761 meters ("m") diamond drilling campaign at its 100% owned Desmaraisville South Project ("the Project"). The campaign aimed to test several new targets, focusing on: (1) observations from the 2024 fieldwork campaign, (2) follow-up on promising gold-mineralized environments identified in the 16,000 m fall 2023 drill campaign, (3) newly identified geophysical IP targets within the Opawica-Guercheville regional deformation corridor, and (4) the near-surface extension of the Hewfran gold mineralized zone.

All drill holes are located within 5 kilometers ("km") of the Bachelor Mill Complex, ranging from near surface to a depth of less than 300 m. One drill hole, BRDS-24-072, was drilled on the Nelligan joint venture ("Nelligan JV") in partnership with O3 Mining Inc. (now [Agnico Eagle Mines Ltd.](#) or "Agnico") where Bonterra holds a 70% interest in the Nelligan JV (see O3 Mining press release dated December 12, 2024, for more details on the acquisition by Agnico). The Nelligan JV covers an area equivalent to approximately 15% of the Project.

Marc-André Pelletier, President and CEO commented: "This year's exploration efforts have led to the discovery of four new mineralized zones within 5 km of our 100% owned Bachelor Mill Complex on the Desmaraisville property. These zones are near surface, exhibit extensive widths of mineralized material suitable for mining, and will be prioritized for future follow-up work. With significant potential for additional discoveries, we remain committed to actively exploring the property, leveraging the benefits of innovative technologies like VRIFY's AI-assisted mineral discovery platform. Furthermore, we are excited to welcome Agnico Eagle as a partner following the transaction with O3 Mining, and we look forward to collaborating on the Nelligan JV with our new partner."

The campaign consisted of 16 diamond drill holes completed between August to November 2024. A total of 2,500 diamond drill core (NQ) samples, along with 408 Quality Assurance and Quality Control ("QA/QC") samples, were submitted to various laboratories. To date, 682 analytical results remain pending.

Highlights Include:

- 1.13 g/t Au over 16.0 m, including 2.02 g/t Au over 6.0 m in hole BRDS-24-063
- 5.30 g/t Au over 1.4 m, including 18.39 g/t Au over 0.4 m in hole BRDS-24-060
- 2.58 g/t Au over 6.0 m, including 4.50 g/t Au over 3.2 m in hole BRDS-24-065
- 0.59 g/t Au over 22.3 m, including 3.17 g/t Au over 2.4 m in hole BRDS-24-066

Highlights of the Diamond Drilling Results

The diamond drilling campaign at the Project was performed on four different areas based on results from the fall 2023 drill campaign, compilation work and a fieldwork campaign conducted during the spring and summer of 2024 (Figure 1).

Figure 1- Desmaraisville South Property - Surface Plan View with Drilling Locations

To view an enhanced version of this graphic, please visit:

https://images.newsfilecorp.com/files/1528/234069_89ef050d04188b4e_001full.jpg

At the East Area, new drill holes were positioned to better intersect Northeast trending gold-bearing geological structures reinterpreted from the 2024 mapping campaign. Drill hole BRDS-24-060 intersected a hydrothermal breccia with 4-6 % fine grained pyrite. Further to the south, two drill holes, BRDS-24-061 and BRDS-24-066, were drilled at a similar azimuth and intersected highly fractured and sheared horizons with pyrite mineralization (Figure 2 and Tables 1 and 2).

Figure 2 - Plan View of the O'Brien Intrusive with Best Assay Results

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West of the Bachelor Lake Intrusion, new drill holes were drilled to test the extensions of the gold intercept in drill hole BRDS-23-013 (0.80 g/t Au over 11.7 m, including 2.84 g/t Au over 1.4 m (see press release dated February 5, 2024). Drill hole BRDS-24-063 was drilled as an overcut of BRDS-23-013 and intersected a mineralized shear zone with abundant sericite, silicification and pyrite. Drill hole BRDS-24-065 was drilled as a bracket hole and also intersected a shear zone with abundant sericite, silicification, carbonate and from 2 to 5% pyrite. It remains to be determined if the gold mineralization is related to a specific geological structure or late intrusion (see Figure 3, Tables 1 and 2).

Figure 3 - Plan View of Area West of Bachelor Lake Intrusion with Best Assay Results

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New IP targets located in the Opawica-Guercheville regional deformation corridor were evaluated during this drilling campaign. Three holes, BRDS-24-067, BRDS-24-068 and BRDS-24-072, were drilled at different locations along the corridor of deformation and intersected moderately to strongly deformed volcano-sedimentary units crosscut by quartz-carbonate veins with hydrothermal alteration and sulphide mineralization. Some iron formations and graphitic mudstones horizons were also intersected (Figure 1 and Table 1). Assay results are pending.

The near surface extension of the Hewfran Orebody was also drill-tested. This drilling was designed following the results of the mapping and sampling program carried out in the summer of 2024. A series of new channel samples from an old trench returned a graded interval of 2.79 g/t Au over 5.9 m. Four shallow drill holes were completed to evaluate near-surface projections of new gold mineralized zones, possibly located up-dip of the Hewfran orebody. Drill hole BRDS-24-057 intersected near surface strongly silicified and hematized horizon with pyrite mineralization (Figure 2 and Tables 1 and 2).

Table 1: Drill Hole Locations - Desmaraisville South Project

Hole ID	Easting	Northing	Elevation (m)	Azimuth	Dip	Length (m)
BRDS-24-057	416210	5483522	318	140	-50	201
BRDS-24-060	417804	5483327	338	290	-50	288
BRDS-24-061	417885	5482913	334	300	-50	270
BRDS-24-063	418389	5485854	314	180	-50	168
BRDS-24-065	418419	5485852	315	230	-50	204
BRDS-24-066	417861	5482835	334	300	-50	300
BRDS-24-067	416652	5488766	318	170	-50	492
BRDS-24-068	416698	5488550	307	160	-50	501
BRDS-24-072	413100	5485224	305	150	-50	561

UTM Coordinates, System: NAD83 Zone 18N

Table 2: Significant Mineralized Intersections from Drilling on the Desmaraisville South Project

Hole ID	Including	From (m)	To (m)	Length (m)	Grade (Au g/t)	Metal Factor (length x grade)
BRDS-24-057		8.0	20.5	12.5	0.88	11.0
	including	12.0	16	4.0	2.18	8.7
BRDS-24-060		85.4	86.7	1.4	5.30	7.2
	including	85.4	85.7	0.4	18.39	6.4
BRDS-24-061		34.0	45.1	11.1	1.28	14.2
	including	34.0	35.8	1.8	3.60	6.5
BRDS-24-063		89.0	105.0	16.0	1.13	18.0
	including	96.0	102.0	6.0	2.02	12.1
	and	127.0	130.0	3.0	2.78	8.3
BRDS-24-065		111.0	117.0	6.0	2.58	15.5
	including	112.0	115.2	3.2	4.50	14.4
BRDS-24-066		277.8	300.0	22.3	0.59	13.2
	including	289.4	291.8	2.4	3.17	7.4

- 1) The meterage represents the drilled lengths. More drilling will be required to estimate true widths.
- 2) All of the above mineralized intersections are uncut.
- 3) All of the above results have an Au grade greater than 0.5 g/t Au and a metal factor greater than 5.0.

Quality Control and Reporting Protocols

The Desmaraisville South Project's drill core gold analyses were performed at Activation Laboratories ("Actlabs") located in Ste-Germaine-Boulé, Québec, and at the Agat Laboratory ("Agat") located in Val-d'Or, Québec. These external laboratories employ a rigorous QA-QC analysis program that meets industry standards. The analyses are carried out by fire assay (A.A.) with atomic absorption finish and with gravimetric finish for assay above 10 g/t Au at both Actlabs and Agat. Blanks, duplicates, and certified reference standards are inserted into the sample stream to monitor the Laboratory's performance. Other core samples gold analysis was performed at MSALabs of Val d'Or, Québec. The samples were crushed to a particle size of 70% passing through a two-millimeter sieve, and then a 500-gram portion was taken for gold analysis by gamma ray (PhotonAssay™). As per MSALABS' internal procedure, blank samples, and certified reference materials are systematically inserted into the analysis sequence. MSALABS operates several laboratories worldwide and holds ISO-17025 accreditation for numerous metal determination methods, including the photon assay method.

The Company's QA-QC program requires that at least 5 to 10% of the samples be analyzed by an independent laboratory. These verification samples are sent to ALS Minerals laboratory facility located in Val-d'Or, Québec. The verifications show a high degree of correlation with the laboratory's results.

Qualified Person

M. Donald Trudel, P.Geo. (OGQ # 813), Director Geology for the Company, oversees all exploration activities on the Desmaraisville Property and has compiled and approved the information contained in this press release. Mr. Trudel is a qualified person as defined by National Instrument 43-101 on standards of disclosure for mineral projects.

About Bonterra Resources Inc.

Bonterra is a Canadian gold exploration company with a portfolio of advanced exploration assets anchored by a central milling facility in Quebec, Canada. The Company's assets include the Gladiator, Barry, Moroy, and Bachelor gold deposits, which collectively hold 1.24 million ounces in Measured and Indicated categories and 1.78 million ounces in the Inferred category.

In November 2023, the Company entered into a earn-in and joint venture agreement with [Osisko Mining Inc.](#) for the Urban-Barry properties (the "JV Agreement"), which include the Gladiator and Barry deposits. In October 2024, [Gold Fields Ltd.](#) completed the acquisition of Osisko Mining for C\$2.16 billion. Gold Fields is now the counterparty to the JV Agreement and can continue to earn a 70% interest in the joint venture by incurring C\$30 million in work expenditures until November 2026 (including expenditures incurred by Osisko

Mining prior to October 2024). This strategic transaction highlights Bonterra's dedication to advancing its exploration assets, marking a significant step towards development.

FOR ADDITIONAL INFORMATION

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Caution regarding forward-looking statements

This press release contains "forward-looking information" that is based on Bonterra's current expectations, estimates, forecasts, and projections. This forward-looking information includes, among other things, statements with respect to the earn-in and joint venture agreement with Osisko Mining announced on November 28, 2023. The words "will", "anticipated", "plans" or other similar words and phrases are intended to identify forward-looking information. This forward-looking information includes namely information with respect to the planned exploration programs and the potential growth in mineral resources. Exploration results that include drill results on wide spacings may not be indicative of the occurrence of a mineral deposit and such results do not provide assurance that further work will establish sufficient grade, continuity, metallurgical characteristics, and economic potential to be classed as a category of mineral resource. The potential quantities and grades of drilling targets are conceptual in nature and, there has been insufficient exploration to define a mineral resource, and it is uncertain if further exploration will result in the targets being delineated as mineral resources. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause Bonterra's actual results, level of activity, performance, or achievements to be materially different from those expressed or implied by such forward-looking information. Such factors include but are not limited to: uncertainties related exploration and development; the ability to raise sufficient capital to fund exploration and development; changes in economic conditions or financial markets, environmental and other judicial, regulatory, political, and competitive developments; technological or operational difficulties or inability to obtain permits encountered in connection with exploration activities; and labour relations matters. This list is not exhaustive of the factors that may affect our forward-looking information. These and other factors should be considered carefully, and readers should not place undue reliance on such forward-looking information.

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