PIVOTAL METALS

ASX ANNOUNCEMENT

28 May 2025

BONANZA GRADE GOLD TARGETS INDENTIFIED IN EXPLORATION REVIEW AT LORRAINE PROSPECT

28m @ 45.2 g/t Au in historical underground channel sample among high-grade gold results showing significant system potential

Highlights

Multiple high-grade gold occurrences identified in Lorraine historical data review

- **Bonanza gold grades:** Au-Cu quartz vein system in UG 6th level channel sampling
  - **28m @ 45.2 g/t Au & 3.2% Cu** in underground crosscut (estimated 0.28m thick)
  - **9.5m @ 14.1 g/t Au & 3.2% Cu** in along-strike crosscut (estimated 0.51m thick)
  - **0.97m @ 56.2 g/t Au** drill intersected 12m below the 6th level (U-6-76)
    - **Incl. 0.15m @ 233.9 g/t Au**
  - **Visible gold** encountered in drilling 40m-60m above 6th level in holes 20-CM-01 and 20-CM-02 (without significant Au assays returned)
- **Au system scale potential:** Broad 600m strike prospective corridor defined with multiple signature Cu-Au quartz veining
  - **Up to 6.4 g/t Au** assayed in surface channel samples 600m east of the mine
  - **Assays up to 13.8 g/t Au** from multiple high-grade gold samples taken from the Lorraine mine open pit and mine dump
  - Prospective corridor trends NE, 12km from historic Belleterre Mine (750koz @ 10.7 g/t Au), where a 100km drill program is underway by TSX listed Vior Inc
- **Gold target is largely un-explored** following the conclusion of Cu-Ni focused mining
- **Gold focused work program has already commenced**
  - Definition of drill targets with detailed surface mapping and sampling
  - High resolution UAV magnetic survey to inform structural controls

Lorraine Au targets are a small part of the large and highly prospective BAGB Project

- Gold targets are connected to the Lorriane Mine; a Cu-Ni magmatic system that operated in the 1960s, producing 661kt @ 0.90% Cu, 0.38% Ni & 0.6 g/t Au
- The wider Lorraine project, as well as Midrim, Alotta and Laforce areas, each contain very high-grade Cu-Ni±PGM mineralisation evidencing major mineralising system that has the potential to host globally significant concentrations of critical metals deposits
- The BAGB Project is close to the infrastructure rich Abitibi mining camp
  - Multiple mining and milling operations within 100km
  - Ready access to utilities, infrastructure and skilled residential workforce

Ivan Fairhall, Pivotal Managing Director, commented: *"With a large and robust shallow copper resource and clear exploration pathway in hand at Horden Lake, we are broadening our program to our BAGB projects; where bonanza Cu, Ni and Au grades are guiding us towards the next discovery.*

"These gold targets at Lorraine are an exciting addition to our already attractive Cu-Ni projects at BAGB. The bonanza Au grades, and their correlation over a significantly broad area, provides very strong encouragement for discovery in this area which has largely unexplored for Au, with the historical focus on Cu-Ni previously mined.

Pivotal Metals Limited
ABN: 49 623 130 987

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Projects
CANADA
- **Horden Lake**
  Ni-Cu-Au-PGM development
- **Belleterre-Angliers**
  Ni-Cu-PGM exploration

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"We are planning an aggressive summer field program to establish the continuity of the broad Au-Cu-quartz vein system adjacent to the Lorraine mine to develop drill targets for immediate follow up. A high-resolution UAV magnetic survey will support the field program.

"This work forms part of our broader strategy to make exciting new discoveries to complement our in-parallel resource growth and development activities at the advanced Horden Lake Cu-Ni-PGE-Au deposit."

Pivotal Metals Limited (ASX:PVT) ('Pivotal' or the 'Company') is pleased to announce the increase of focus on its 100% owned Belleterre-Angliers Greenstone Belt ("BAGB") projects, located in Quebec, Canada (the "Project"). Having recently delineated a large and advanced mineral resource at its 100% Horden Lake project, the Company is broadening its exploration program to its BAGB projects with the objective of making expanded and new copper and/or gold discoveries.

The BAGB projects contain multiple high-grade Cu-Ni-PGE occurrences associated with gabbroic intrusive rocks. Significant gold targets alongside the Cu-Ni sulphide mineralisation also exist in the property package.

The nature of the high grades, spread over wide distances, indicates a major mineralising system that has the potential to host globally significant concentrations of precious and critical metals deposits.

Pivotal is seeking to expand on existing discoveries, whilst investigating the many other gabbroic intrusions for associated accumulations of similar high-grade mineralisation.

Lorraine Mine Targets

The Lorraine project covers 86.5km^2 over the Lac des Bois segment of the BAGB and is host to multiple known magmatic sulphide accumulations including the past producing Lorraine mine. The property was mined in the 1960's to depth of 200m but remains prospective for its high-grade magmatic Cu-Ni extension potential. Mineralisation has been defined by drilling to >400m depth, and there are multiple near mine conductors that have not been drilled.

Bonanza Au Grades in Historical Results

Pivotal's historical exploration review has shown a significant separate, but likely related, high grade gold in Cu-quartz vein system delineated in drilling and mine development headings. Assays from veins has shown spectacular system potential, with visible gold and grades exceeding ounces per tonne. Highlights from historical exploration nearby the historical mining area include:

- **28m @ 45.2 g/t Au & 3.2% Cu** in 6th level underground development crosscut (estimated 0.28m thick)
- **9.5m @ 14.1 g/t Au & 3.2% Cu** in 6th level along-strike crosscut (estimated 0.51m thick)
- **0.97m @ 56.2 g/t Au** intersected in diamond drilling, 12m below the 6th level (DDH U-6-76)
  - **Includes 0.15m @ 233.9 g/t Au ultra high-grade zone**

Visible gold was encountered in diamond drilling 40m-60m below 6th level in holes 20-CM-01 (485.5m) and 20-CM-02 (459.8m, 508.7m, 511.6m, 511.8m), within widespread silica-carbonate alteration and different ages of structural related veining and minor sulphides. However, assays for the corresponding 0.5-1m intervals did not return significantly anomalous Au content suggestive of a nugget effect during sample preparation. A re-analysis of available archived drill core is planned.

Gold System Scale Potential

Radiating out from the Lorraine mine occurrences, the historic sample data indicates a broad Au mineralising event in the area. Au-bearing Cu-quartz veins at the Lorraine mine encountered on the 6th level underground and intersected in drill holes are traced eastward on surface to channel/trench samples with a similar Cu-bearing signature, with anomalous gold, a potential minimum 600m corridor of Au mineralisation which remains open in all directions. Highlights from east of the mine area include:

- 0.7m @ 4.4 g/t Au (DDH 05-L-08)
- 5.5 g/t Au & 0.47% Cu (surface sample)
- 1.2 g/t Au & 0.75% Cu (surface sample)
- 0.72 g/t Au & 2.7% Cu (surface sample)

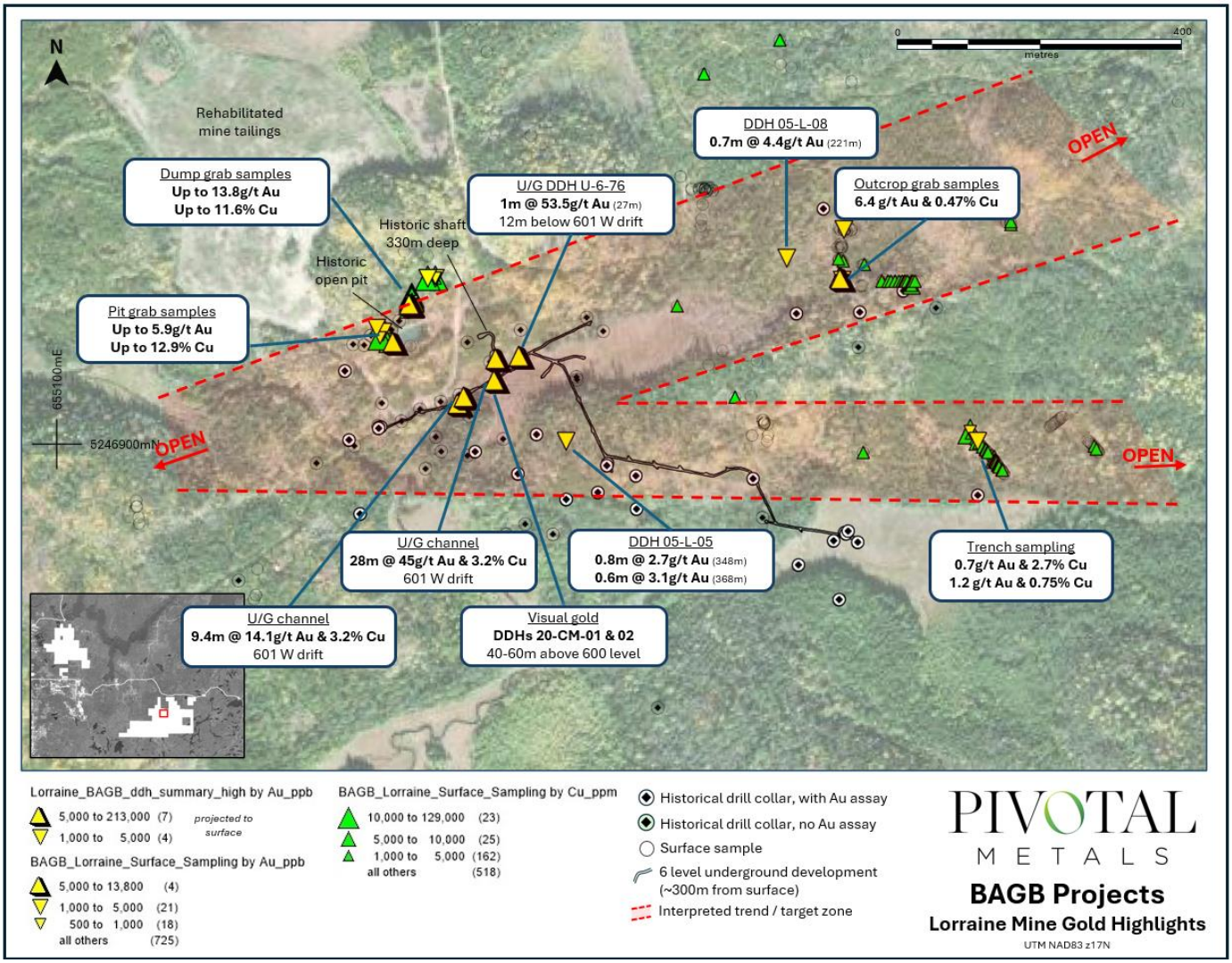

Figure 1: Lorraine Mine Gold and Copper Highlights

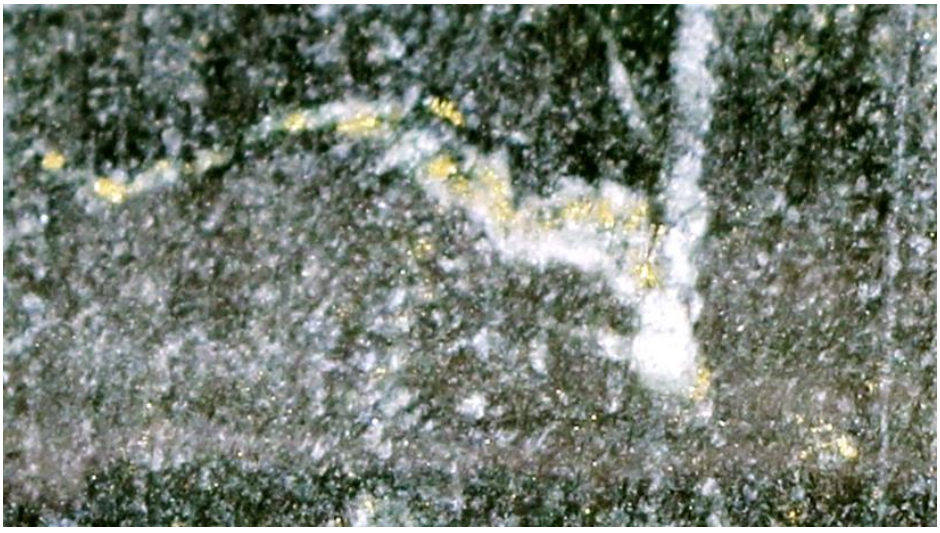

Figure 2: Fine-grained visible gold at 511.8m downhole in CM-20-02. Horizontal field of view is ~30mm.

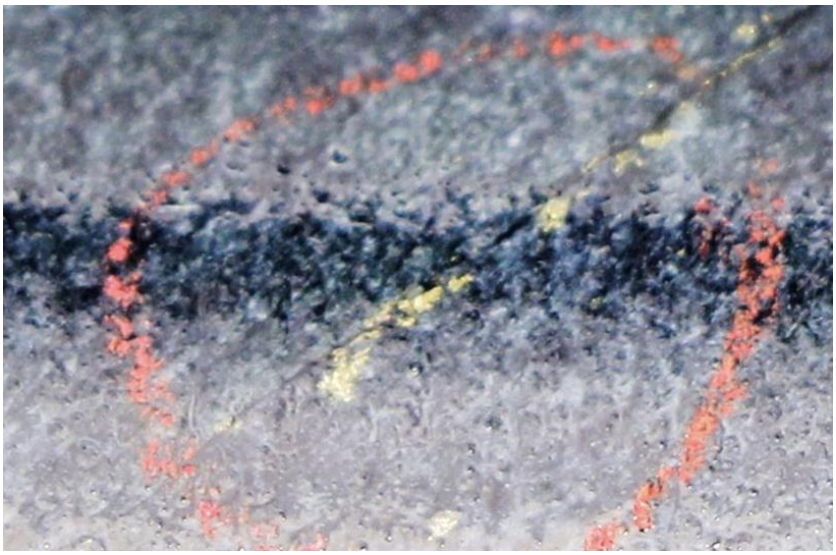

Figure 3: Fine grained visible gold at 508.7m downhole in CM-20-02. Horizontal field of view is ~20mm.

Historic work in this area was focussed on the Cu-Ni mineralisation critical to the continuance of the mine operation. The 1968 mine closure prevented further investigation of the underground Au-bearing Cu-quartz veins. Subsequent surface sampling in 2001/02 was limited to further investigation of the historic Au occurrences. The distribution of the surface sampling, although generating significant results, leaves the bulk of the prospective Au enriched corridor unexplored. Only 2 holes have been drilled in the eastern perspective corridor post mine closure, leaving the known occurrences and the remainder of the prospective corridor untested.

Exploration Next Steps

Field work has commenced on the exploration priority to delineate the prospective Au-Cu-quartz veins via detail mapping and sampling, to define drill targets to best test this strong Au mineralising event. Early indications are that there is substantial outcrop in the target trend lowering cost and complexity of this first phase. A detailed UAV magnetic survey will support structural interpretations of this potentially regional scale mineralising system.

Regional Exploration Potential

The Lorraine mine area represents <5% of Pivotal's wider 160km[2] Lorraine project, itself a small part of Pivotal's BABG project grouping. BAGB consists of three main project areas of 100% owned mineral claims on the Belleterre-Angliers Greenstone Belt (BAGB) of the Archean Superior Province of the Canadian Shield. Pivotal, along with our western neighbour Vior Inc (TSXV:VIO), hold the dominant position of this greenstone belt.

The Lorraine project is contiguous on its eastern boundary to the Belleterre Gold Project, which is the 100% owned flagship asset of Vior Inc. Historical production from the Belleterre mine (12km ENE of Lorraine) totalled 750koz Au at 10.7 g/t Au[1] prior to the mine closure in 1959. Mineralisation at Belleterre is hosted in high grade veins that trend in a similar direction to the veins sampled underground at Lorraine.

Senior management at Vior are ex-Osisko Mining team who in 2024 sold 50% of the Windfall Lake mine to Gold Fields for C$1.9 billon[2]. Vior recently raised C$39m, and are currently completing a 100,000m exploration program on the Belleterre property.

3km to the northwest, the Lavalle quartz carbonate gold trend consists of multiple trenches and surface samples exceeding 1g/t over an approximate 1.5km of strike. The Lavalle occurrence reinforces the westward regional scale potential of the gold system at the Lorraine mine.

Pivotal's Lorraine property is host to multiple mineral occurrences in a variety of geological setting that are highly prospective for new discoveries including magmatic Cu-Ni-PGM, Cu-Zn VMS, shear zone Au, and Au in iron formation environments. Excepting limited work around identified outcrop, the property is very under explored. Precious metals assays are largely omitted on historic core samples. Selected mineralised occurrences outside of the Lorriane Mine area are described Figure 4, and below.

The Company will release its exploration plans for other high priority targets on the Lorraine project in due course.

[1] https://www.vior.ca/projects/belleterre-gold/

[2] Gold Fields: 28 October, 2024 *"Gold Fields Completes the Acquisition of Osisko Mining"*

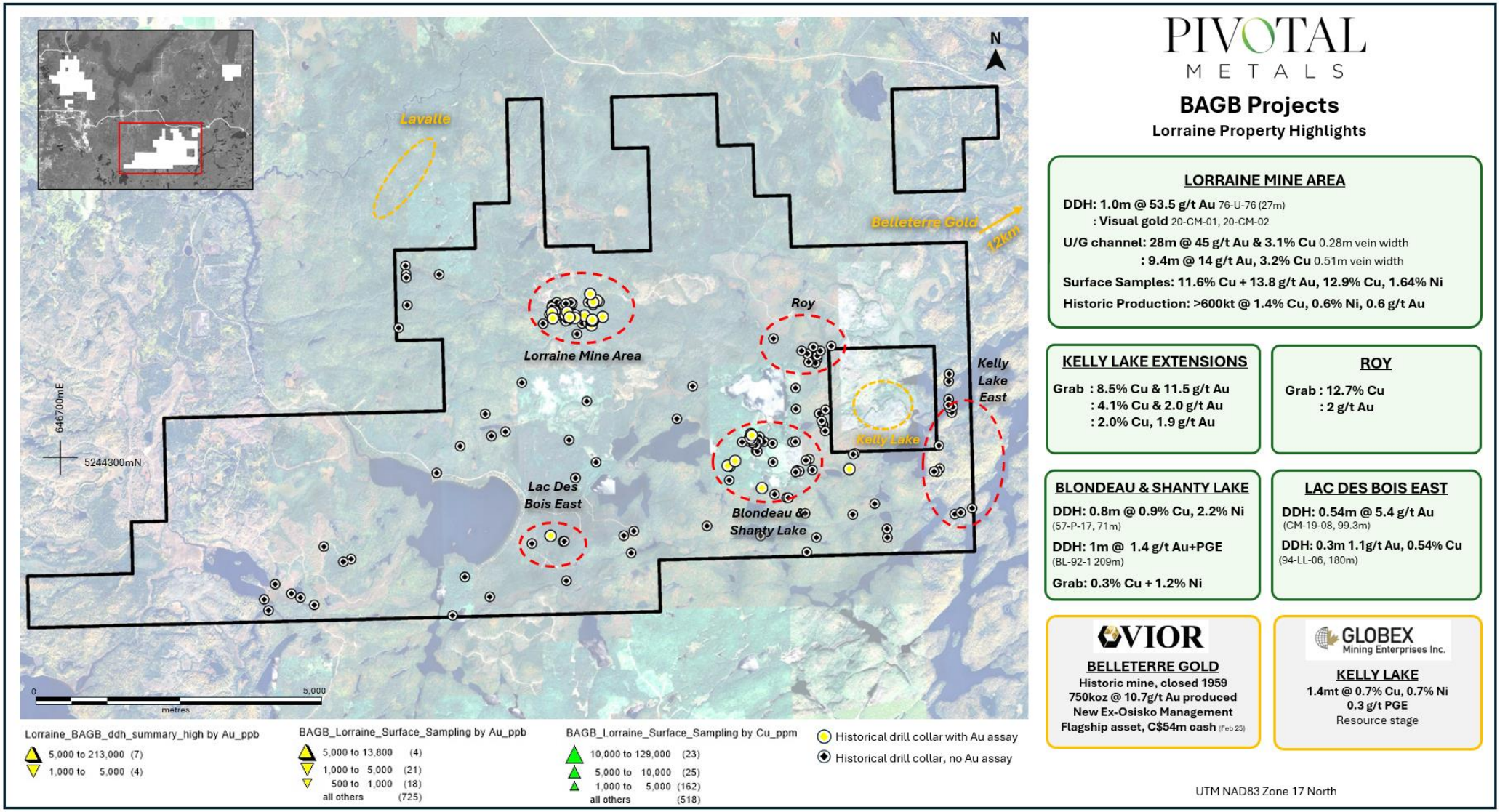

Figure 4: Lorraine Project area (86km²) showing multiple exploration areas prospective for high grade Cu, Ni and Au deposits, as well as the regional correlation with other nearby discoveries.

Blondeau Cu-Ni-PGE Occurrence

Subcropping only and hosted within steeply dipping gabbro and mafic volcanic with combined sulphide pyrrhotite (po), pyrite (py), chalcopyrite (cp), and pentlandite (pn) concentration up to 25%. The Blondeau mineralisation has been intersected to 200m depth and remains open. Last drilled in 1992. Results include:

- 0.76m @ 2.22% Ni and 0.87% Cu, within wider zone of 7.6m @ 0.5% Cu and 0.62% Ni over 7.6m in DDH DDH 57-P-17 (71m)
- 7.0m @ 0.43% Cu 0.58% Ni 0.33g/t Pd 0.16g/t Pt 0.15g/t Au in DDH BL-92-01 (202m)

Shanty Lake Cu-Ni Occurrence

Sulphides po, py, and cp hosted within gabbro and altered mafic volcanic. Last drilled in 1964. Results include:

- 1.16% Ni 0.30% Cu from boulder
- 0.9m @ 0.74% Ni in DDH 63-PS-05 (23m)

Roy Cu-Zn-Au Occurrence

Outcropping po, py, pn and sp hosted in mixed felsic to mafic volcanics intruded by gabbro. VMS potential. Results include:

- 1.27% Cu and 2.03g/t Au in surface samples
- 0.4m @ 1.6% Zn (19m) and 0.8m @ 0.15% Cu (10m) in DDH 87-A-02

Lac Du Bois East Cu-Au Occurrence

Mafic volcanic and iron formation hosting Au, Ag, Pb and Zn. The targeted iron formation extends the approximate length of the Lorraine project and remain largely untested. Results include:

- 1.3m @ 3.5 g/t Au, 10 g/t Ag, 0.5% Pb in DDH 19-CM-08 (99m)
    - Includes 0.5m @ 5.39g/t Au, 19.7g/t Ag, 0.98 Pb & 0.43% Zn (99m)

BAGB Overview

Pivotal holds a dominant position on the Belleterre-Angliers Greenstone Belt, which forms part of the Archean Superior Province of the Canadian Shield – one of the worlds most productive mineral systems.

Greenstone belts are characterised by an abundance of volcanic and sedimentary lithologies intruded by felsic, mafic, and ultramafic bodies. These lithologies are known to host magmatic Cu-Ni-PGE, shear zone and quartz vein hosted Au, and volcanogenic massive sulphide Cu-Zn deposits.

Pivotal's wider BAGB project area already host a number of magmatic Cu-Ni-PGE and Au deposits, occurrences, and a past producing mine. Notable discoveries include the Midrim and Alotta deposits, where wide zones of spectacular Cu-Ni-PGM mineralisation has been defined. Highlights from drilling are shown in Table 1.

Table 1: Selected Intercepts for Midrim (MR) and Alotta (ZA)[3]

Interval	Cu (%)	Ni (%)	3E g/t	From	Hole
9.4m	**4.3**	**3.5**	**4.6**	56.6m	MR 17-01
4.3m	**5.2**	**6.6**	**7.2**	57.2m	MR 00-05
18.9m	**2.1**	**1.5**	**2.4**	17.6m	MR 01-29
11.3m	**2.2**	**2.2**	**3.1**	61.2m	ZA 18-05
9.2m	**2.8**	**2.6**	**3.6**	85.2m	ZA 18-08
17.0m	**2.9**	**1.5**	**3.3**	54.0m	ZA 19-05

[3] Refer 21 August 2020 "RFR to Acquire High Grade Ni-Cu Projects & Completes Funding" and 24 May 2022 "RFR strengthens PGM-Ni-Cu portfolio in Canada"

These individual deposits are not fully closed off, but most importantly are evidence of a strong high-grade polymetallic mineralising event. Multiple regional anomalies combined with the known occurrences infer a very large system covering several kilometres which remains extremely under-explored.

Pivotal's spring-summer exploration program is also directed towards a number of these priority Cu-Ni prospects. Further detail will follow in due course.

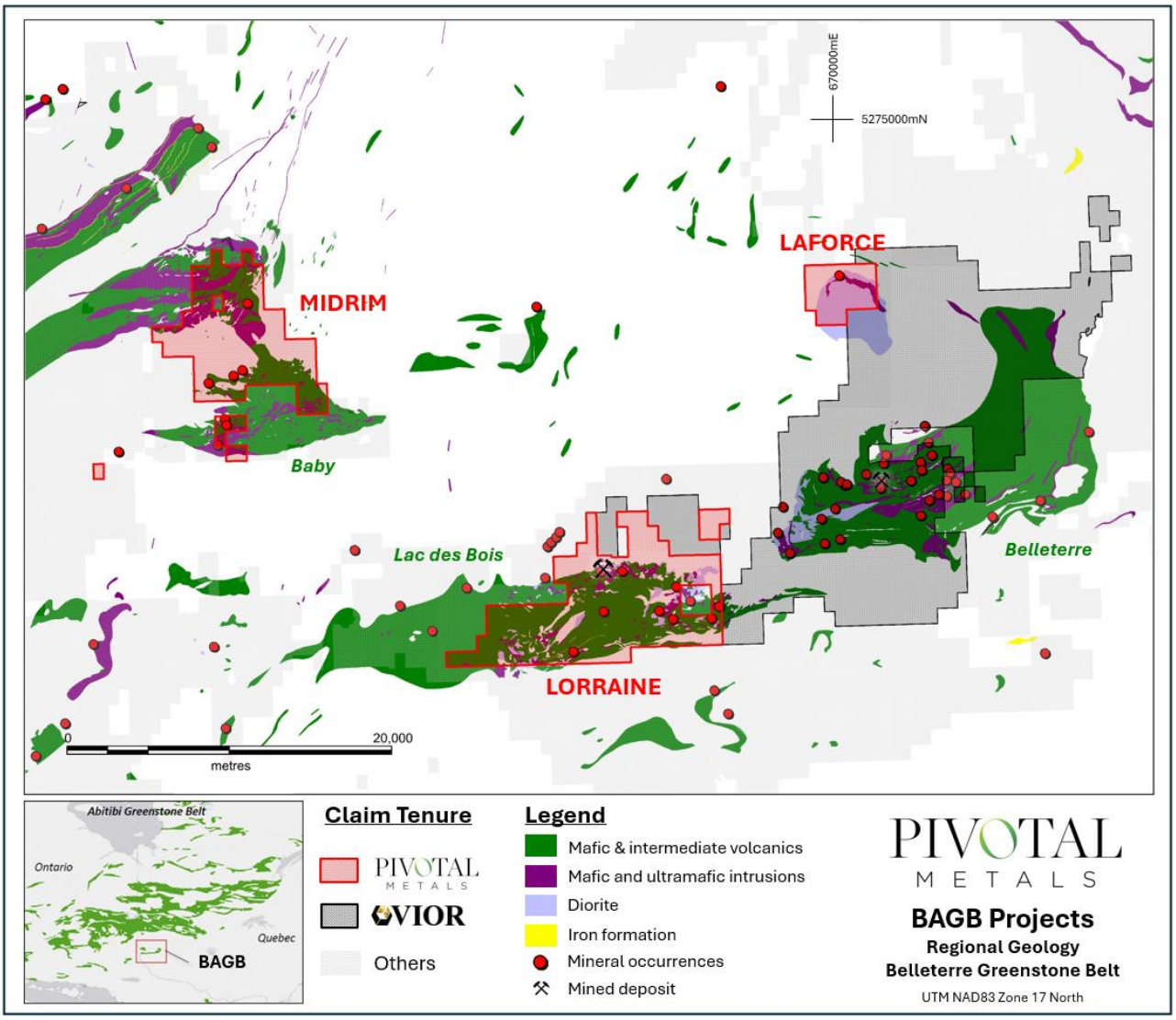

Figure 5: Regional location of the BAGB project area and its Baby, Lac des Bois, and Belleterre greenstone belt segments showing the location of Pivotal's tenements and known mineral occurrences

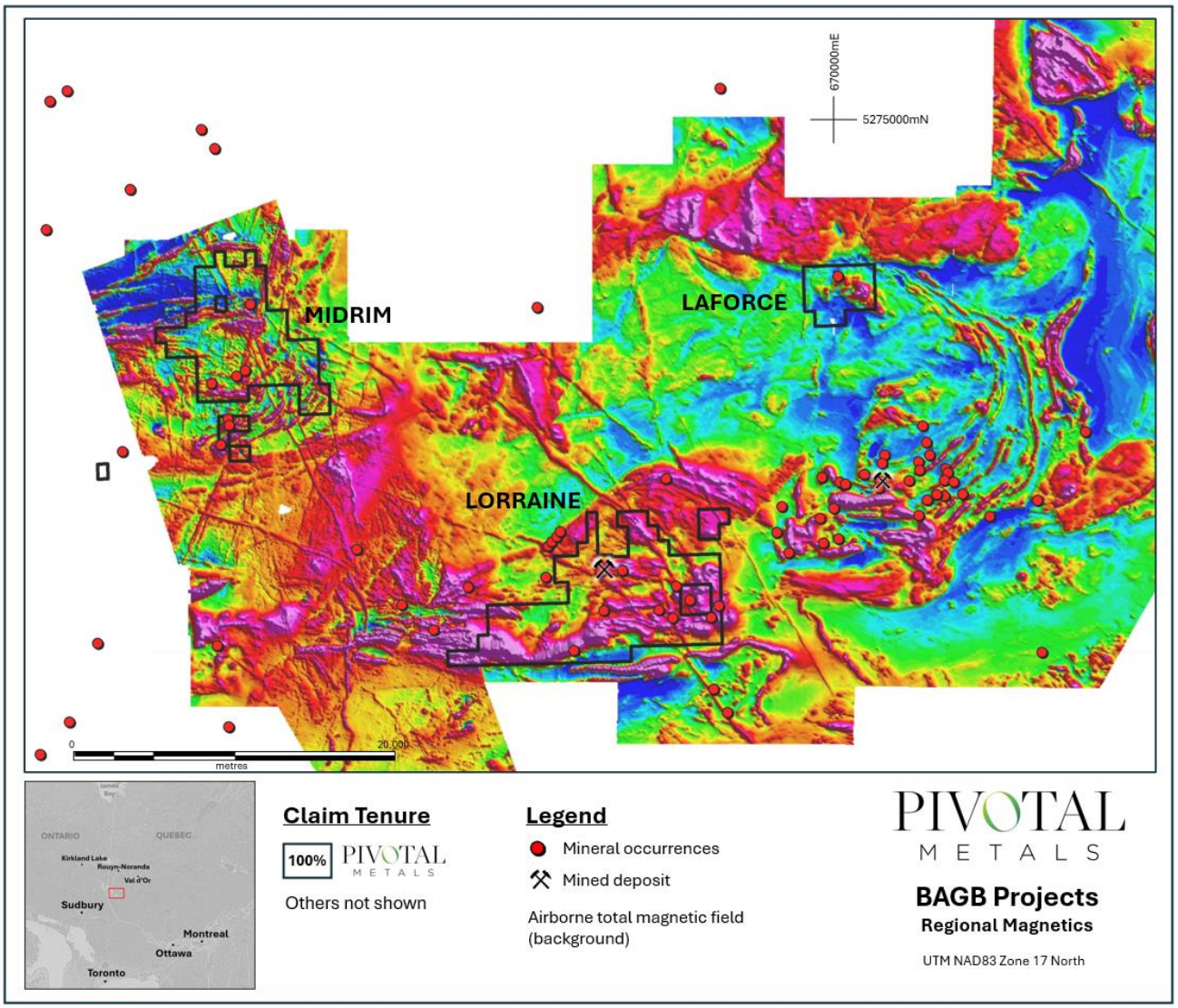

Figure 6: BAGB project mineralised occurrences over the regional shaded total field magnetic map illustrating the complex nature of the geology and the extensive areas under Pivotal Metals' 100% ownership.

Outstanding Location with Excellent Access to Infrastructure

The BAGB project area is located 85 km south of Rouyn-Noranda; the heart of the Abitibi greenstone belt, and one of the worlds most productive geological areas estimated to have produced 7 Mt of copper and 200 Moz of gold since 1901.

The project area is extremely well serviced by infrastructure, being nearby a major mining services center, hosting an extensive electrical grid, road and rail network, and skilled labour force.

There have been over 100 mining operations in the region with multiple mills in operation. Given the high-grade nature of the exploration targets, there is the potential to delineate deposits with potential for direct shipping to existing milling facilities. The Company notes Agnico Eagle's nearby Canadian Malartic Mine has a well publicised 14 Mt/annum of spare milling capacity forecast from 2028[4].

The exceptionally low hydropower costs (estimated 5.5c/kWh) and close proximity to Glencore's 'Horne' copper and 'Sudbury' nickel smelters, further underscore the structural cost advantages for new discoveries made in this region.

[4] AEM news release 20 June 2023 "Agnico Eagle provides update on Canadian Malartic Complex

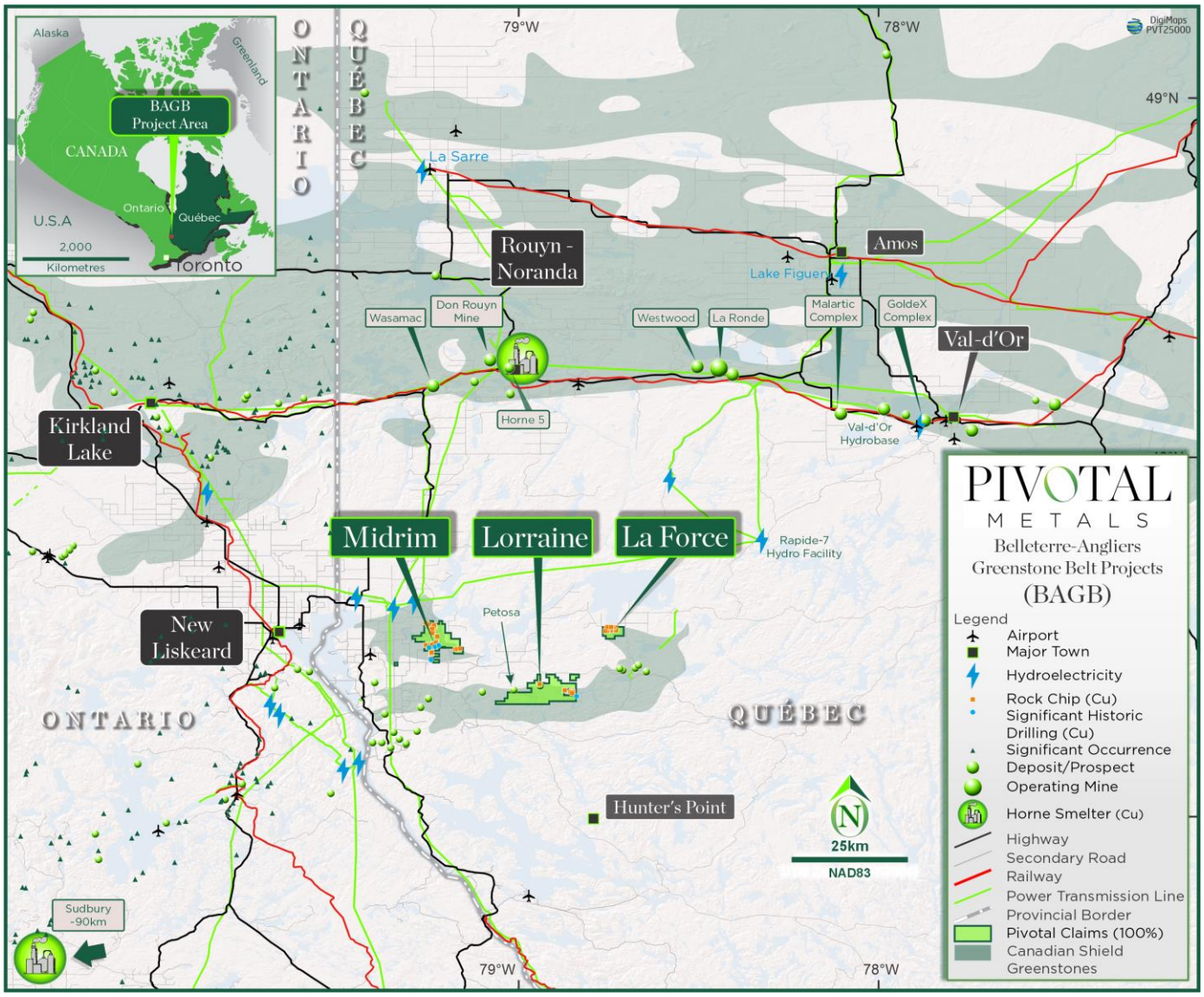

Figure 7: BAGB projects location map in relation to nearby current and historic mining and milling operations.

Competent Person Statement

The information in this news release and report that relates to Mineral Resources is based on information compiled and conclusions derived by Mr Paul Nagerl. Mr. Nagerl is a Nagerl is a Professional Geologist Ordre des géologues du Québec OGQ PGeo and consultant of Pivotal Metals. Mr Nagerl has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Nagerl consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

This announcement has been authorised by the Board of Directors of the Company.

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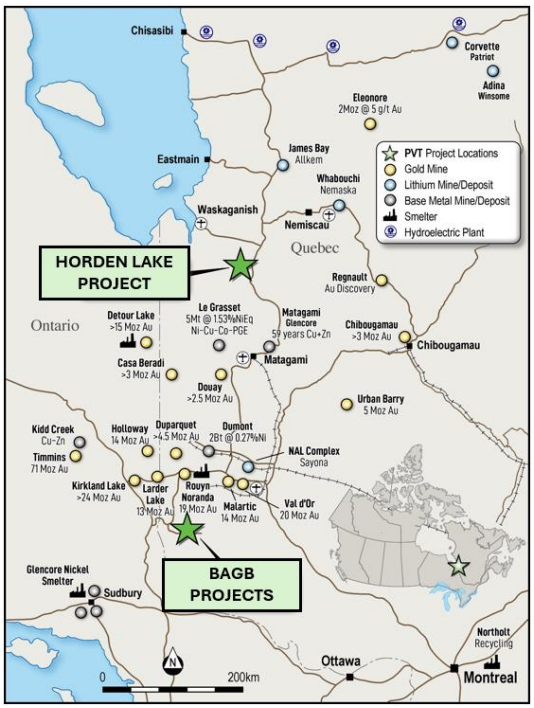
About Pivotal Metals

Pivotal Metals Limited (ASX:PVT) is an explorer and developer of world-class critical mineral projects.

Pivotal holds the recently acquired flagship Horden Lake property, which contains a JORC compliant Indicated and Inferred Mineral Resource Estimate of 37mt @ 1.1% CuEq, comprising copper, nickel, palladium and gold. Pivotal intends to grow the mineral endowment of Horden Lake, in parallel with de-risking the Project from an engineering, environmental and economic perspective.

Horden Lake is complemented by a battery metals exploration portfolio in Canada located within the prolific Belleterre-Angliers Greenstone Belt comprised of the Midrim, Laforce, Alotta and Lorraine high-grade nickel copper PGM sulphide projects in Quebec. Pivotal intends to build on historic exploration work to make discoveries of scale which can be practically bought into production given their proximity to the world famous Abitibi mining district.

To learn more please visit: www.pivotalmetals.com



Forward Looking Statements Disclaimer

This announcement contains forward-looking statements that involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions, and estimates should change or to reflect other future developments.

Table 2: Lorraine drill hole collar locations (coordinate system NAD83 Z17N)

Hole ID	Length (m)	UTM-E	UMT-N	Elevation (m)	Azimuth	Dip	Source
52-BF-02	35.66	662698	5245108		170	-30	GM 02306
52-TM-01	106.68	654438	5244688		15	-45	GM 01912
52-TM-03	164.29	653959	5242157	310	360	-45	GM 01912
52-TM-04	61.87	653960	5242157	310	310	-45	GM 01912
52-TM-05	170.99	653960	5242156	310	345	-45	GM 01912
56-C-A01-CRG	154.23	660143	5244273	324	360	-45	GM 07650-A
56-C-A02-CRG	198.12	660083	5244249		360	-45	GM 07650-A
56-C-B01-CRG	198.73	662647	5245350		360	-45	GM 07650-B
56-C-B02-CRG	141.43	662647	5245670		360	-45	GM 07650-B
56-C-B04-CRG	122.83	662651	5245802		180	-45	GM 07650-B
56-RB-03	60.96	659904	5245171	320	360	-45	GM 03732-A
56-RB-04	77.11	659840	5244578	314	135	-45	GM 03732-A
56-RB-05	92.66	660268	5246138	307	328	-45	GM 03732-A
56-RB-06	92.35	660276	5246128	308	135	-45	GM 03732-A
56-RB-07	123.44	660283	5246067	308	328	-45	GM 03732-A
56-RB-08	122.53	660252	5245999	308	328	-45	GM 03732-A
57-B-01	21.34	658047	5245582	309	325	-45	GM 06045-B
57-CT-04	122.22	653739	5241463	310	360	-45	GM 05630-B
57-CT-05	19.51	654408	5241800	310	360	-55	GM 05630-B
57-CT-05A	76.2	654408	5241800	310	360	-65	GM 05630-B
57-N-01	152.7	659267	5242892	318	360	-45	GM 05709-B
57-N-02	152.4	656993	5242980	318	180	-45	GM 05709-B
57-N-03	152.4	658305	5243069	340	180	-45	GM 05709-B
57-N-04	155.14	656814	5242898	324	180	-45	GM 05709-B
57-N-05	154.23	656947	5242586	310	180	-45	GM 05709-B
57-P-01	178	659187	5244423	310	298	-45	GM 05635
57-P-02	416.97	659333	5244587	310	298	-45	GM 05635
57-P-03	253.9	659211	5244410	310	298	-45	GM 05635
57-P-04	246.89	659231	5244634	310	298	-45	GM 05635
57-P-05	346.56	659252	5244578	310	298	-45	GM 05635
57-P-06	289.26	659250	5244673	310	298	-45	GM 05635
57-P-07	119.48	659244	5244676	310	180	-45	GM 05635
57-P-08	221.89	659202	5244600	310	298	-45	GM 05635
57-P-09B	234.39	659095	5244722	308	118	-45	GM 05635
57-P-10	245.67	659060	5244636	308	120	-45	GM 05635
57-P-11	178	659893	5244584	317	28	-45	GM 05635
57-P-12	110.95	659080	5244681	307	28	-45	GM 05635
57-P-13	96.62	659893	5244584	317	209	-45	GM 05635

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57-P-14	155.14	659123	5244638	308	78	-45	GM 05635
57-P-15	108.51	659230	5244596	310	75	-45	GM 05635
57-P-16	217.93	659184	5244525	310	60	-45	GM 05635
57-P-17	172.21	659123	5244637	308	60	-45	GM 05635
57-P-18	192.33	659085	5244610	308	60	-45	GM 05635
57-P-19	122.83	659897	5245547	319	152	-45	GM 05635
57-P-20	204.83	659055	5244644	308	60	-45	GM 05635
57-P-21	181.97	660131	5246017	308	120	-45	GM 05635
57-P-22	177.09	659104	5244589	309	60	-45	GM 05635
57-P-23	178	659488	5244218	311	40	-45	GM 05635
57-P-24	138.68	659152	5244588	310	60	-45	GM 05635
57-P-25	251.46	659117	5244564	310	60	-55	GM 05635
57-P-26	320.34	659053	5244591	309	60	-60	GM 05635
62-M-01	91.14	655574	5247058	308	155	-35	GM 12548
62-M-02	95.25	655574	5247059	308	155	-35	GM 12548
62-M-03	101.5	655556	5247058	308	155	-40	GM 12548
62-M-04	125.88	655556	5247058	308	155	-55	GM 12548
62-M-05	122.83	655546	5247044	306	155	-40	GM 12548
62-M-06	91.44	655530	5247045	305	155	-40	GM 12548
62-M-07	100.28	655586	5247066	308	155	-35	GM 12548
62-M-08	123.44	655586	5247066	308	155	-50	GM 12548
62-M-09	91.74	655597	5247079	309	155	-35	GM 12548
62-M-10	125.58	655597	5247079	309	155	-50	GM 12548
62-M-11	75.59	655610	5247091	309	155	-35	GM 12548
62-M-12	201.47	655696	5247048	301	335	-50	GM 13697
62-M-13	135.64	655627	5246951	300	335	-50	GM 12773
62-M-14	158.8	655650	5246911	300	335	-50	GM 12773
62-M-15	197.51	655658	5246890	300	335	-60	GM 12773
62-M-16	131.67	655657	5246962	300	335	-53	GM 12773
62-M-17	201.47	655600	5246934	300	335	-50	GM 12773
62-M-18	210.31	655696	5246884	300	335	-55	GM 12773
62-M-19	100.89	655572	5246960	301	335	-58	GM 12773
62-M-20	229.82	655635	5246865	300	330	-60	GM 12773
62-M-21	132.59	655684	5246972	300	335	-50	GM 12773
62-M-22	167.94	655699	5246941	300	325	-53	GM 12773
62-M-23	216.1	655748	5246908	300	325	-55	GM 12773
62-M-24	162.46	655777	5247028	300	335	-45	GM 12773
62-M-25	323.7	655752	5246770	299	330	-50	GM 12773
62-M-26	166.12	655854	5246998	300	335	-45	GM 12773
62-M-27	32.92	655855	5246994	300	155	-35	GM 12773
62-M-28	138.99	655893	5247064	301	335	-45	GM 12773
62-M-29	153.62	655532	5246898	300	335	-45	GM 12773
62-M-30	331.32	655780	5246785	300	335	-50	GM 12773
62-M-31	141.73	655477	5246873	298	335	-45	GM 12773
62-M-32	34.14	655820	5246770	299	324	-50	GM 12773
62-SM-01	114.6	655162	5242754	310	360	-45	GM 12960
62-SM-02	120.7	655722	5242793	305	360	-45	GM 12960
63-GA-01	102.87	656149	5245311	299	360	-45	GM 13153
63-GA-02	147.22	657767	5244997	305	330	-45	GM 13153
63-M-32A	359.97	655820	5246770	299	335	-55	GM 13163
63-M-33	388.01	655772	5246747	299	320	-55	GM 13163
63-M-34	166.42	655364	5246703	301	360	-45	GM 13697
63-M-35	97.84	655729	5247020	300	335	-58	GM 13697
63-PS-01	22.86	658734	5244152	320	20	-50	GM 14346
63-PS-02	7.62	658724	5244135	320	200	-50	GM 14346
63-PS-03	15.24	658707	5243894	321	360	-50	GM 14346
63-PS-04	9.14	659518	5243641	330	325	-50	GM 14346
63-PS-05	30.48	659920	5244071	313	360	-50	GM 14346
63-PS-06	20.3	659920	5244071	313	180	-50	GM 14346
63-PS-07	30.94	660962	5244377	332	169	-50	GM 14346
63-PS-08	24.87	660924	5243278	342	360	-50	GM 14346
63-PS-09	25.6	660930	5244359	331	169	-50	GM 14346
63-QW-01	55.78	651918	5242478	0	225	-50	GM 13276
64-D-01	121.01	655945	5243938	317	340	-45	GM 14806
64-D-02	123.14	655947	5243931	316	160	-45	GM 14905
64-S-01	305.41	658935	5244577	310	28	-65	GM 14704
64-S-02	92.35	659935	5244051	312	360	-55	GM 14704
64-S-03	88.39	659965	5244056	311	360	-45	GM 14704
64-S-04	92.66	659900	5244041	311	360	-45	GM 14704
64-S-05	75.59	660196	5244076	320	360	-45	GM 14704
64-S-06	85.34	660865	5244070	322	360	-45	GM 14704
64-S-07	122.22	659482	5244554	315	28	-55	GM 14704
65-DG-01	91.44	652774	5246628	327	15	-45	GM 16541
66-PS-06	30.48	656328	5247122	310	360	-47	GM 18842
66-PS-07	28.96	656376	5247098	311	360	-47	GM 18842
66-PS-08	26.58	656300	5247138	310	360	-45	GM 18842
66-PS-09	30.48	656265	5247091	311	360	-45	GM 18842
66-PS-10	30.48	656436	5246826	307	58	-45	GM 18842
68-JS-01	0	656263	5247041	316	360	-99	GM 39770
68-S-39	0	656066	5246706	300	340	-45	GM 39770
68-S-40	0	655972	5246519	301	340	-99	GM 39770
68-S-41	100.58	656176	5246725	304	360	-45	GM 23156
68-S-42	137.46	656235	5246675	308	360	-45	GM 23156
68-S-43	104.24	656227	5246760	307	180	-45	GM 23156
68-S-44	65.84	656262	5246758	308	180	-45	GM 23156
68-U-6-52	386.18	655899	5246872	4	260.25	-51.5	GM 23156

PIVOTAL
METALS

68-U-6-70	538.58	656124	5246794	4	0	0	
68-U-6-71	349.61	656124	5246794	4	0	0	
68-U-6-73	47.24	655737	5247028	4	0	0	
68-U-6-74	28.04	655738	5247029	4	0	0	
68-U-6-75	42.06	655737	5247029	4	0	0	
68-U-6-76	37.49	655738	5247029	4	0	0	
68-U-6-79	68.28	655738	5247029	4	0	0	
68-U-6-82	119.18	655566	5246927	4	0	0	
68-U-6-84	484.63	656243	5246772	4	315	-73	GM 23156
68-U-6-85	473.35	656110	5246850	4	312	-48	GM 23156
68-U-6-86	307.24	655898	5246869	4	204	0	GM 23156
68-U-6-87	307.24	655570	5246925	4	246	0	GM 23156
68-U-6-88	329.49	655869	5247084	4	53	0	GM 23156
68-U-6-89	137.77	655567	5246924	4	257.5	0	GM 23156
68-U-6-90	77.11	655567	5246923	4	234	0	GM 23156
68-U-6-91	307.54	656245	5246770	4	155	0	GM 23156
68-U-6-92	335.58	656248	5246774	4	40	0	GM 23156
68-U-6-93	21.64	655524	5246906	4	230.5	45	GM 23156
69-K-01A	122.53	660319	5245091	330	160	-45	GM 25746
69-K-03A	102.72	660365	5244962	330	340	-45	GM 25746
69-K-04A	93.27	660394	5244890	330	360	-45	GM 25746
69-K-05A	115.52	660365	5244962	330	160	-45	GM 25746
69-K-10A	147.83	662659	5245189	317	340	-45	GM 25746
69-K-11A	174.96	662720	5245212	315	340	-45	GM 25746
69-K-12A	190.5	662721	5245212	315	160	-50	GM 25746
69-K-13A	161.54	662642	5245245	320	340	-45	GM 25746
69-K-15A	126.19	660429	5244775	330	160	-40	GM 25746
69-K-17A	112.17	660431	5245160	330	160	-45	GM 25746
72-10-721-01	122.53	662482	5244103	351	360	-45	GM 35705
72-CM-01	57.91	651256	5241653		320	-40	GM 28213
72-CM-02	127.71	650438	5241556		360	-45	GM 28213
72-CM-03	91.44	650360	5241751		349	-45	GM 28213
72-CM-04	92.35	650557	5242026		180	-45	GM 28213
72-CM-05	73.46	651011	5241786		180	-45	GM 28213
73-FN-01	75.29	659735	5243579	332	360	-45	GM 29584
73-FN-02	78.64	659767	5243580	334	360	-45	GM 29584
87-A-22	121.92	662470	5244519	350	360	-45	GM 44906
87-L-03	121.92	661545	5242864	339	360	-45	GM 46060
87-L-03A	78.64	661538	5243018	332	360	-45	GM 46060
87-L-05	160.02	662439	5244044	338	360	-45	GM 46060
87-L-05A	153.31	662381	5244051	328	360	-45	GM 45285
87-L-06	169.16	662753	5243283	323	360	-45	GM 46060
87-L-07	154.23	661316	5243471	341	360	-45	GM 46060
87-L-09	154.84	660068	5243298	353	360	-45	GM 46060
87-L-10	160.02	660268	5242862	354	360	-45	GM 45285
87-L-12	121.92	660099	5242603	370	90	-45	GM 46060
87-L-23	185.32	662863	5243312	327	360	-45	GM 46060
87-L-24	152.7	663065	5243388	333	360	-45	GM 46060
87-A-01	100.3	660535	5246303	310	250	-50	GM 48357
87-A-02	96	660287	5246127	308	280	-45	GM 48357
87-A-03	102.9	660339	5246217	309	257	-45	GM 48357
87-A-04	202.7	660107	5246165	309	5	-49	GM 48357
87-A-05	144.8	660004	5246215	310	180	-45	GM 48357
87-A-06	100.3	660216	5246283	309	360	-45	GM 48357
87-A-07	147.8	659498	5246438	313	360	-45	GM 48357
88-CG-09	182.88	652926	5247036	290	180	-50	GM 47573
88-CG-11	254.81	653498	5247590	290	180	-45	GM 47573
88-CG-13	35.05	652895	5247746	290	180	-50	GM 47573
88-CG-15	28.65	652904	5247593	290	360	-50	GM 47573
88-CG-26	274.32	652908	5247531	290	360	-45	GM 47573
92-BL-01	214	659113	5244622	309	146	-50	GM 51390
92-BL-02	278.1	659089	5244652	307	146	-60	GM 51390
92-BL-03	217.1	659114	5244700	308	146	-60	GM 51390
94-LL-01	172.82	653453	5244024		339	-59	GM 52971
94-LL-02	124.36	653875	5244503		346	-60	GM 52971
94-LL-03	124.97	654325	5245085	305	360	-60	GM 52971
94-LL-04	133.2	654985	5245643	312	340	-60	GM 52971
94-LL-05	270.97	654690	5244765	0	360	-59	GM 52971
94-LL-06	218.85	655830	5244617	300	15	-63	GM 52971
94-LL-07	215.49	656315	5244216	308	360	-61	GM 52971
93-LL-08A	20.42	655747	5242797	306	160	-60	GM 52971
93-LL-08B	262.43	655747	5242797	306	97	-60	GM 52971
94-LL-12	133.2	651432	5242702		180	-60	GM 52971
93-LL-13	160.63	651779	5242429		35	-60	GM 52971
93-LL-14A	14.33	650849	5241857		250	-60	GM 52971
93-LL-14b	161.24	650849	5241857		215	-60	GM 52971
98-ML-01	84	655782	5242086	303	335	-45	GM 55873
98-ML-02	61	655782	5242086	303	335	-70	GM 55873
98-ML-03	113	655782	5242086	303	340	-60	GM 55873
04-L-01	428	655769	5246857	300	340	-60	GM 61195
04-L-02	417	655940	5246854	300	335	-67	GM 61195
04-L-03	254	656212	5247241	305	160	-46	GM 61195
04-L-04	506	655941	5246806	301	328	-68	GM 61195
05-L-05	494	655885	5246830	302	330	-60	GM 64493
05-L-06	246.6	655707	5246889	299	340	-60	GM 64493
05-L-07	111	655518	5247006	301	340	-50	GM 64493

05-L-08	500	656173	5247089	305	350	-70	GM 64493
19-CM-01	117	660863	5244094	300	350	-60	
19-CM-02	252	659294	5243751	300	19	-50	
19-CM-03	108	658679	5244155	300	348	-52	
19-CM-04	120	658811	5244239	300	148	-42	
19-CM-05	309	655500	5242895	300	357	-61	
19-CM-06	213	655773	5247066	300	325	-56	
19-CM-07	354	655796	5246914	300	319	-61	
19-CM-08	321	655500	5242892			-65	
20-CM-01	489	655839	5246820	301		-53	
20-CM-02	513	655839	5246820	301		-58	
20-CM-03	450	655839	5246820	301		-53.5	
20-CM-04	519	655839	5246820	301		-58.5	
20-CM-05	486	655839	5246820	301		-56	
20-CM-06	471	655540	5246799	298		-71	

Table 3: Lorraine Surface Samples, >500ppm Au or >1000ppm Cu (coordinate system NAD83 Z17N)

Samp_ID	UTM_X	UTM_Y	Au_ppb	Cu_ppm	Ni_ppm	Ag_ppm	Type	Source
28604	655649	5247140	2,640	12,500	1,123	10.6	Dump	GM59606
28605	655649	5247140	865	11,200	600	7.6	Dump	GM59606
28606	655649	5247140	105	2,452	4,410	3.2	Dump	GM59606
28607	655649	5247140	933	25,900	404	17.4	Dump	GM59606
28610	655649	5247140	864	8,520	756	7.2	Dump	GM59606
28611	655649	5247140	1,989	12,200	890	8.4	Dump	GM59606
28612	655649	5247140	2,503	13,300	924	8.4	Dump	GM59606
28613	655649	5247140	1,337	10,100	608	6.8	Dump	GM59606
28614	655649	5247140	1,714	4,845	890	3.8	Dump	GM59606
28615	655649	5247140	2,263	16,800	1,198	10.2	Dump	GM59606
28616	655649	5247140	564	8,560	7,090	6.6	Dump	GM59606
28617	655649	5247140	276	2,057	539	2.2	Dump	GM59606
28618	655649	5247140	2,811	13,100	705	8.8	Dump	GM59606
28620	655649	5247140	895	4,777	423	3.8	Dump	GM59606
28621	655649	5247140	195	2,528	1,800	2.2	Dump	GM59606
28622	655649	5247140	102	1,755	1,503	2.2	Dump	GM59606
28623	655649	5247140	32	1,376	1,111	1.2	Dump	GM59606
28624	656270	5246888	72	1,261	511	1.6	Grab	GM59606
28625	656270	5246888	100	1,210	974	2.0	Grab	GM59606
28626	656270	5246888	60	1,627	798	1.8	Grab	GM59606
28627	656000	5247100	54	1,204	60	1.4	Grab	GM59606
28628	656084	5246968	74	2,648	133	3.8	Grab	GM59606
L005	656149	5247485	12	2,497	117	2.4	Grab	GM59606
L011C	656039	5247436	14	1,720	494	2.8	Grab	GM59606
L026A	656340	5247130	117	6,280	960	3.8	Grab	GM59606
L026B	656340	5247130	73	3,050	1,770	3.0	Grab	GM59606
L029	656460	5246878	279	7,600	7	7.8	Grab	GM59606
L035	656241.75	5247210.68	1,340	74	74	2.0	Grab	GM59606
L047	656241	5247165	88	1,370	86	3.2	Grab	GM59606
L069	656271.32	5247160.07	55	1,270	749	1.6	Grab	GM59606
L082	656234.1	5247168.23	165	1,310	81	3.0	Grab	GM59606
L088	656238.79	5247138.77	5,590	4,740	95	18.0	Grab	GM59606
L089	656239.2	5247138.36	750	487	48	3.4	Grab	GM59606
L134	656236.67	5247137.3	108	1,490	53	3.0	Grab	GM59606
L137	656237.59	5247135.92	48	1,040	31	2.0	Grab	GM59606
L138	656237.87	5247136.84	54	1,230	33	2.6	Grab	GM59606
L142	656237.23	5247139.47	902	702	44	2.0	Chip	GM59606
L145	656238.28	5247138.38	315	2,760	73	3.8	Chip	GM59606
L146	656238.62	5247138.03	165	1,560	51	2.6	Chip	GM59606
L148	656239.31	5247137.31	1,060	560	50	3.2	Chip	GM59606
L149	656239.7	5247136.98	847	655	37	2.2	Chip	GM59606
L150	656240.09	5247136.65	6,380	743	23	2.2	Chip	GM59606
65003	656424	5246919	119	1,465	33	4.2	Channel	GM59685
65004	656425	5246918	723	27,000	84	37.0	Channel	GM59685
65006	656427	5246916	196	3,730	23	3.8	Channel	GM59685
65012	656433	5246908	139	1,722	81	2.2	Channel	GM59685
65015	656436	5246904	1,157	7,590	160	12.4	Channel	GM59685
65017	656438	5246902	93	3,547	37	3.0	Channel	GM59685
65022	656443	5246896	167	4,301	37	4.8	Channel	GM59685
65025	656447	5246893	154	3,988	32	4.4	Channel	GM59685
65026	656448	5246892	90	1,910	10	2.6	Channel	GM59685
65028	656450	5246889	158	1,603	7	5.4	Channel	GM59685
65029	656451	5246888	93	1,080	21	1.4	Channel	GM59685
65037	656460	5246877	84	2,415	4	1.8	Channel	GM59685
65038	656461	5246876	211	3,686	27	2.2	Channel	GM59685
65039	656462	5246875	100	3,126	14	1.8	Channel	GM59685
65040	656463	5246873	44	1,564	10	0.8	Channel	GM59685
65043	656465	5246870	101	1,735	29	0.6	Channel	GM59685
65044	656466	5246869	135	2,730	83	2.0	Channel	GM59685
65045	656467	5246867	95	2,593	49	1.6	Channel	GM59685
65049	656471	5246863	132	1,520	40	1.0	Channel	GM59685
65050	656472	5246862	178	1,325	8	0.4	Channel	GM59685
65051	656484	5247218	15	1,040	1,238	0.8	Channel	GM59685
65053	656484	5247222	43	2,592	1,563	1.4	Channel	GM59685
65115	656605	5246897	17	1,202	284	0.4	Channel	GM59685
65117	656608	5246893	153	1,281	603	1.0	Channel	GM59685

PIVOTAL METALS

65131	656297	5247136	20	1,099	700	1.4	Channel	GM59685
65134	656306	5247136	90	1,664	1,119	1.4	Channel	GM59685
65135	656310	5247136	27	1,260	7,080	1.2	Channel	GM59685
65137	656316	5247136	79	3,539	3,890	2.4	Channel	GM59685
65139	656322	5247136	50	1,652	3,160	2.0	Channel	GM59685
65140	656326	5247136	97	3,134	3,310	2.6	Channel	GM59685
65141	656329	5247136	86	2,358	1,184	2.2	Channel	GM59685
65142	656331	5247136	139	2,223	1,291	1.4	Channel	GM59685
65143	656334	5247136	46	1,280	1,478	1.0	Channel	GM59685
65145	656340	5247136	175	2,575	1,176	2.4	Channel	GM59685
65146	656342	5247136	43	2,795	9,290	2.4	Channel	GM59685
65147	656345	5247136	66	2,992	3,950	1.4	Channel	GM59685
7270	655638	5247140	788	4,918	2,860	0.0	Grab	GM60220
7271	655638	5247140	2,090	15,100	554	0.0	Grab	GM60220
7274	655638	5247140	2,710	15,800	998	0.0	Grab	GM60220
7275	655638	5247140	1,780	19,200	1,216	0.0	Grab	GM60220
7277	655580	5247045	461	8,680	270	0.0	Grab	GM60220
7278	655573	5247062	1,300	7,380	308	0.0	Grab	GM60220
7279	655569	5247054	831	22,300	404	0.0	Grab	GM60220
7280	655591	5247045	5,900	2,502	137	0.0	Grab	GM60220
7282	655564	5247068	1,820	3,222	236	0.0	Grab	GM60220
7284	655576	5247069	202	1,800	147	0.0	Grab	GM60220
7285	655615	5247115	216	129,000	426	0.0	Dump	GM60220
7286	655615	5247112	280	44,600	6,440	0.0	Dump	GM60220
7287	655615	5247109	375	22,000	314	0.0	Dump	GM60220
7288	655615	5247106	760	7,280	1,068	0.0	Dump	GM60220
7289	655615	5247103	172	8,830	16,400	0.0	Dump	GM60220
7290	655615	5247100	13,780	116,000	2,340	0.0	Dump	GM60220
TM366479	660213	5246134	89	3,000	20	4.2	Grab	GM62155
TM366480	660222	5246154	2,030	8,640	3	8.5	Grab	GM62155
TM366482	660221	5246140	168	3,390	16	3.7	Grab	GM62155
TM366484	660240	5246129	96	1,420	7	0.8	Grab	GM62155
TM79717	657420	5247638	162	9,980	305	6.2	Grab	GM62155
FLX1	662459	5244175	231	1,410	85	2.3	Grab	GM62456
FLX2	662459	5244170	951	7,650	58	2.8	Grab	GM62456
T2092	662480	5244184	144	2,756	72	0.0	Grab	GM62456
T2101	663147	5244139	66	2,180	93	0.0	Grab	GM62456
T2102	663168	5244181	871	23,800	61	0.0	Grab	GM62456
T2104	662458	5244114	340	3,634	55	0.0	Grab	GM62456
T2107	662459	5244202	165	3,626	61	0.0	Grab	GM62456
T2111	662641	5244183	21	2,223	145	0.0	Grab	GM62456
T2113	662540	5244162	8	5,900	43	0.0	Grab	GM62456
T2114	662467	5244161	144	6,000	48	0.0	Grab	GM62456
T2116	660439	5243853	56	2,951	11,600	2.2	Boulder	GM62456
T2131	662981	5244943	32	8,906	168	0.0	Grab	GM62456
T2134	662949	5244931	22	19,400	97	0.0	Grab	GM62456
T2137	662944	5244926	5	1,025	364	0.0	Grab	GM62456
T2144	663000	5244938	80	1,946	177	12.5	Grab	GM62456
T2145	662961	5244939	326	6,536	318	2.0	Grab	GM62456
T2146	662981	5244949	58	7,981	208	4.5	Grab	GM62456
T2147	662980	5244944	10	19,800	221	4.7	Grab	GM62456
T2152	663152	5245088	24	1,234	81	5.2	Grab	GM62456
T2156	663112	5244124	220	3,904	103	3.2	Grab	GM62456
T2305	662459	5244219	131	2,150	120	0.0	Grab	GM62456
T2306	662459	5244201	1,214	6,150	113	0.0	Grab	GM62456
T2316	662461	5244129	149	1,450	77	0.0	Grab	GM62456
T2317	662605	5244150	428	4,350	17	0.0	Grab	GM62456
T2324	662531	5244372	214	3,208	54	0.0	Grab	GM62456
T2335	663226	5244233	1,470	860	54	0.0	Grab	GM62456
T2344	663159	5244182	2,060	41,200	145	21.4	Grab	GM62456
T2345	663142	5244137	226	19,400	232	15.2	Grab	GM62456
T2346	660222	5246159	1,990	8,712	17	8.5	Grab	GM62456
T2347	660223	5246159	506	12,700	37	9.9	Grab	GM62456
T2348	660222	5246160	664	7,159	30	5.9	Grab	GM62456
T2349	659657	5246579	106	1,061	150	1.1	Grab	GM62456
54254	662471.29	5244118.63	140	1,938	75	2.5	Channel	GM63571
54257	662471.28	5244121.65	53	1,299	72	1.3	Channel	GM63571
54258	662471.28	5244122.72	55	1,001	73	1.2	Channel	GM63571
54259	662471.27	5244123.67	161	1,271	63	1.8	Channel	GM63571
54266	662467.88	5244125.43	45	1,352	76	1.5	Channel	GM63571
54267	662467.04	5244124.68	45	1,002	60	1.4	Channel	GM63571
54269	662465.23	5244124.68	86	1,199	61	1.5	Channel	GM63571
54270	662464.58	5244124.66	155	1,632	40	2.5	Channel	GM63571
54271	662463.74	5244125.38	239	3,067	43	4.0	Channel	GM63571
54274	662461.5	5244127.48	290	2,071	39	2.0	Channel	GM63571
54277	662460.51	5244130.36	131	2,725	70	2.8	Channel	GM63571
54278	662460.33	5244131.33	82	1,419	75	1.2	Channel	GM63571
54281	662461.37	5244134.15	37	1,489	59	0.8	Channel	GM63571
54282	662461.4	5244135.14	84	1,586	80	0.9	Channel	GM63571
54283	662461.37	5244136.15	399	3,567	39	4.3	Channel	GM63571
54289	662464.18	5244143.9	23	1,342	81	0.5	Channel	GM63571
54290	662458.57	5244145.84	61	1,947	77	1.6	Channel	GM63571
54291	662459.23	5244146.29	123	2,493	12	2.4	Channel	GM63571
54297	662463.12	5244157.13	113	4,141	47	3.5	Channel	GM63571
54299	662463.09	5244158.57	174	3,063	51	2.7	Channel	GM63571
54300	662459.19	5244157.09	125	3,177	65	2.8	Channel	GM63571

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54301	662465.08	5244158.67	69	1,195	50	0.8	Channel	GM63571
54302	662465.66	5244159.07	263	3,759	64	4.5	Channel	GM63571
54303	662464.99	5244159.31	75	1,972	68	1.6	Channel	GM63571
54304	662465.09	5244159.75	176	4,098	61	3.4	Channel	GM63571
54305	662461.99	5244158.6	182	4,284	51	3.7	Channel	GM63571
54306	662463.34	5244159.09	266	2,279	51	1.8	Channel	GM63571
54307	662464.88	5244159.59	50	1,370	75	1.1	Channel	GM63571
54308	662466.26	5244160.1	151	2,419	65	2.2	Channel	GM63571
54310	662465.76	5244160.82	399	5,633	53	4.4	Channel	GM63571
54311	662465.96	5244161.92	227	3,536	65	5.1	Channel	GM63571
54312	662465.59	5244162.98	269	3,055	63	4.9	Channel	GM63571
54316	662466.7	5244166.96	39	1,040	62	0.8	Channel	GM63571
54320	662467.12	5244171.14	906	6,683	76	7.7	Channel	GM63571
54321	662466.94	5244172.13	113	1,455	51	1.3	Channel	GM63571
54328	662466.91	5244173.56	52	1,021	48	0.6	Channel	GM63571
54329	662468.32	5244173.75	62	1,207	73	1.1	Channel	GM63571
54336	662477.08	5244175.43	36	1,504	63	1.6	Channel	GM63571
54337	662470.99	5244167.02	201	1,020	60	0.8	Channel	GM63571
54340	662471.52	5244170.38	131	1,768	17	0.8	Channel	GM63571
54341	662458.68	5244171.65	364	2,367	23	1.7	Channel	GM63571
54343	662460.74	5244171.62	461	1,654	33	1.8	Channel	GM63571
54344	662461.74	5244171.59	51	1,194	44	0.9	Channel	GM63571
54345	662462.73	5244171.55	46	1,175	47	0.9	Channel	GM63571
54346	662463.66	5244171.53	54	1,168	55	0.6	Channel	GM63571
54347	662454.86	5244176.57	78	1,185	58	1.1	Channel	GM63571
54349	662456.56	5244176.84	34	1,505	46	1.1	Channel	GM63571
54354	662467.36	5244179.68	35	1,284	57	0.9	Channel	GM63571
54356	662468.43	5244178.82	121	1,144	43	1.4	Channel	GM63571
54371	662465.86	5244190.21	104	1,624	70	1.7	Channel	GM63571
54372	662465.87	5244191.42	40	1,576	83	0.9	Channel	GM63571
54377	662464.73	5244197.24	145	2,078	74	1.8	Channel	GM63571
54378	662461.27	5244194.41	192	2,138	62	2.3	Channel	GM63571
54379	662462.43	5244194.21	344	3,858	82	3.8	Channel	GM63571
54380	662463.14	5244194.1	31	1,335	70	0.7	Channel	GM63571
54381	662464.25	5244194	257	6,529	59	4.2	Channel	GM63571
54382	662462.11	5244198.08	1,919	2,863	117	2.8	Channel	GM63571
54383	662463.33	5244197.74	105	1,679	99	1.4	Channel	GM63571
54384	662464.12	5244198.27	46	1,008	75	0.7	Channel	GM63571
54385	662461.85	5244198.93	106	3,198	87	2.4	Channel	GM63571
54389	662461.17	5244203.01	99	2,635	96	2.4	Channel	GM63571
54390	662460.26	5244203.79	80	1,635	95	1.8	Channel	GM63571
54391	662459.74	5244204.53	150	2,535	97	2.0	Channel	GM63571
54392	662459.71	5244204.58	445	2,348	59	2.1	Channel	GM63571
54393	662458.57	5244204.52	499	6,964	80	7.0	Channel	GM63571
54394	662457.48	5244204.44	80	1,985	75	1.6	Channel	GM63571
54397	662456.43	5244204.85	53	1,648	106	1.6	Channel	GM63571
54398	662455.2	5244204.75	43	1,755	103	1.2	Channel	GM63571
54399	662453.98	5244204.68	77	1,773	78	1.6	Channel	GM63571
54401	662457.27	5244198.48	168	5,468	112	4.6	Channel	GM63571
54402	662456.57	5244198.45	52	1,386	89	1.2	Channel	GM63571
54405	662467.24	5244193.72	601	2,334	69	1.9	Channel	GM63571
54406	662469.07	5244194	101	1,408	92	1.4	Channel	GM63571
54407	662453.14	5244201.83	76	2,253	89	1.6	Channel	GM63571
54408	662451.79	5244201.21	103	2,990	78	2.2	Channel	GM63571
54412	662451.58	5244191.85	138	1,855	63	1.8	Channel	GM63571
54416	662447.82	5244191.63	67	1,502	98	1.2	Channel	GM63571
54454	662929.74	5244914.05	25	1,863	76	19.4	Grab	GM63571
54460	662950.61	5244938.41	11	1,386	182	0.6	Grab	GM63571
54462	662958.51	5244936.51	8	1,888	112	0.8	Grab	GM63571
54464	662973.42	5244939.11	10	1,181	89	0.9	Grab	GM63571
54465	662982.58	5244939.34	12	2,173	90	0.8	Grab	GM63571
54466	662964.14	5244943.14	-5	1,327	91	0.5	Grab	GM63571
54470	662997.18	5244926.93	21	1,285	83	14.5	Grab	GM63571
54506	663057.74	5245017.95	66	1,677	0	-0.2	Channel	GM63571
5	660248	5244693	57	2,582	395	0.2	Grab	GM63810

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JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

JORC Code criteria and explanation	Commentary
Sampling techniques • ***Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*** • ***Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*** • ***Aspects of the determination of mineralisation that are Material to the Public Report.*** • ***In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.***	• Historic Diamond drilling • Diamond drill hole intersections herein presented were obtained from programs completed in the years 1967, 2005, 2019 and 2020, implemented industry standards of the period. • Details of intersection and collar location provided in accompanying tables. • 1967 drill hole was completed by the Lorraine Mining Company Limited, logged by mine geologist V. Popov. The underground drill hole dip was determined by acid test and the azimuth at the collar by compass. Hole location provided in 6th level underground pan. Drill core presumed to be AQ size for the period. No information is available regarding the sampling methodology or analytical technique used. Depths are provided in the imperial system. Gold and silver assay result are reported as ounce per ton and converted grams per tonne for this news release. Information was obtained from assessment file GM21150. • 2005 NQ size drill holes were completed by Breakaway Exploration Management Inc. for Hinterland Metals Inc. Drill hole azimuth and dip were determined using a Flex-it Multishot instrument at 3m intervals. Collar locations were determined using GPS. Analyses were performed at Expert Laboratories located in Rouyn-Noranda Quebec using Fire assay DCP emission spectroscopy for precious metals Au, Pt and Pt and hydrochloric and nitric acid digestion followed by atomic absorption spectroscopy for base metals Cu and Ni. The drill hole collar location is provided in the logs as UTM coordinates using the system NAD83 Zone 17 North (note that the logs incorrectly state Zone 18 North). Depths are provided in the metric system. The drill core was logged by R. G. Leber. Information was obtained from assessment file GM64493. • 2019 NQ size drill holes were completed Orix Geoscience for the Chase Mining Corporation Limited. Drill hole azimuth and dip is provided in approximate 50m intervals. The type of directional equipment used is not provided. Certified standards and blanks, and duplicate samples comprising about 11% of all samples were applied for quality control purposes. Precious metals Au, Pt and Pd were determined using ten fore assay method whole base metals Cu and Ni were determined using a four acid digestion and ICP-MS finish. Sample preparation and analyses was carried out at ALS Canada Ltd. laboratories. The drill hole collar location is provided in the logs as UTM coordinates using the system NAD83 Zone 17 North. Depths are provided in the metric system. The drill core was logged by M. Kilbourne. Information was obtained from report "Assessment Report based on the 2019 Lorraine DDH Programs" by M. Kilbourne. • 2020 NQ size drill holes were also completed for the Chase Mining Corporation Limited, however no detailed reporting is available. Drill hole information was obtained from the Chase Mining Corporation

JORC Code criteria and explanation	Commentary
	Limited news releases of 2020. The program was implemented during the 2020 Covid-19 epidemic which significantly impaired its completion. • Historic Surface Sampling • Surface sample results herein presented were obtained from programs completed in the years 2000 through 2008 and implemented by applying industry standards of the period. Sample types include boulder, grab, chip, and channel. • Details of intersection and collar location provided in accompanying tables. • 2000 grab sampling was completed by M. Fekete for Hinterland Exploration Limited. Sample locations are provided using the UTM coordinate system NAD83 Zone 17 North and sketch map. Geochemical analyses were performed by XRAL laboratories located in Rouyn-Noranda Quebec using the fire assay and DCP emission spectroscopy finish for precious metals Au, Pt and Pd, and partial acid digestion with atomic absorption spectroscopy for base metals Cu and Ni. Information was obtained from assessment file GM60220. • 2001 grab and chip sampling were completed by M. Fekete for Hinterland Exploration Limited. Sample locations are provided using the UTM coordinate system NAD83 Zone 17 North. Geochemical analyses were performed by XRAL laboratories located in Rouyn-Noranda Quebec using the fire assay and DCP emission spectroscopy finish for precious metals Au, Pt and Pd, and partial acid digestion with atomic absorption spectroscopy for base metals Cu and Ni. Information was obtained from assessment file GM59606. • 2002 channel sampling was completed for Loubel Exploration Inc. Sample locations are provided using the UTM coordinate system NAD83 Zone 17 North and detailed sketch maps. Geochemical analyses were performed by XRAL laboratories located in Rouyn-Noranda Quebec however details on the analytical methods applied is not available. Information was obtained from assessment file GM59685 • 2004 grab sampling was completed for Aurora Resources Inc. Sample locations are provided using the UTM coordinate system NAD83 Zone 17 North. Geochemical analyses were performed by ALS Chemex laboratories located in North Vancouver BC using the fire assay and ICP atomic emission spectroscopy finish for precious metals Au, Pt and Pd, and four acid digestion with atomic absorption spectroscopy or atomic emission spectroscopy for base metals Cu and Ni. Information was obtained from assessment file GM62155. • 2005 grab and boulder sampling was completed for Aurora Resources Inc. Sample locations are provided using the UTM coordinate system NAD83 Zone 17 North. Geochemical analyses were performed by Expert Laboratories located in Rouyn-Noranda Quebec incorporating certified reference standards and blanks. Details of the analytical methods applied is not provided apart from laboratory codes DCP-1, AAT-7, AAT-8 and FA-GRAV. Information was obtained from assessment file GM62456.

JORC Code criteria and explanation	Commentary
	• 2007 grab and channel sampling were completed for FieldEx Exploration Sample locations are provided using the UTM coordinate system NAD83 Zone 17 North. Geochemical analyses were performed by Expert Laboratories located in Rouyn-Noranda Quebec incorporating certified reference standards and blanks. Details of the analytical methods applied is not provided apart from laboratory codes DCP-1, AAT-7, AAT-8 and FA-GRAV. Information was obtained from assessment file GM63571. • 2008 grab sampling was completed by M. Fekete for Hinterland Exploration Limited. Sample locations are provided using the UTM coordinate system NAD83 Zone 17 North and sketch maps. Geochemical analyses were performed by Expert Laboratories located in Rouyn-Noranda Quebec incorporating certified reference standards and blanks. Details of the analytical methods applied is not provided apart from laboratory codes DCP-1, AAT-7, AAT-8 and FA-GRAV. Information was obtained from assessment file GM63810. • Province of Quebec geologic work assessment files can be obtained from the SIGEOM web site at https://sigeom.mines.gouv.qc.ca/
Drilling techniques • ***Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).***	• The drill programs all utilized diamond drilling technique, assumed AQ size in 1967 and NQ sizes thereafter. • 2005 drilling was carried out by Bradely Brother from Royn-Noranda Quebec. • 2019/20 drilling was carried out by Chibougamau Diamond.
Drill sample recovery • ***Method of recording and assessing core and chip sample recoveries and results assessed.*** • ***Measures taken to maximise sample recovery and ensure representative nature of the samples.*** • ***Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.***	• Details for the 1967 drill program are unavailable. • During the subsequent drill campaigns the drill core was physically measured for every 3m run provided by the drill contractor, recorded, and core recovery calculated.
Logging • ***Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.*** • ***Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*** • ***The total length and percentage of the relevant intersections logged.***	• All drill core was logged for geology, mineralisation, and sample intervals are recorded as the period methodology provided, initially on paper logs and subsequently in a digital format. The geological logging is qualitative and descriptive in accordance with geological boundaries. Logged features included rock type, modal mineralogy, rock textures, structural measurement, alteration, and metamorphism. • Drill core photos are typically not available, excepting certain references in reports. • Lengths of the historic samples presented are included in the attached tables.
Sub-sampling techniques and sample preparation • ***If core, whether cut or sawn and whether quarter, half or***	• Details of quality control procedures are not available for all drilling campaigns presented. • No sampling methodology or quality control information is provided for the 1967 drill program.

JORC Code criteria and explanation	Commentary
all core taken. • ***If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*** • ***For all sample types, the nature, quality and appropriateness of the sample preparation technique.*** • ***Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*** • ***Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.*** • ***Whether sample sizes are appropriate to the grain size of the material being sampled.***	• The 2005, 2019 and 2020 drilling campaigns utilized the NQ core size and half core cut using diamond blade submitted for analysis.
Quality of assay data and laboratory tests • ***The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*** • ***For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.*** • ***Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.***	• No relevant information is available for the 1967 drill core analyses. • 2005 drill core samples were analyzed at Expert Laboratory which was not an accredited facility but did maintain an internal quality control program and participated ion the annual CAMNET round-robin proficiency testing. • 2019 and 2020 drill core samples were analyzed at ALS Laboratories using certified reference material for standards and blanks. Details can be found in Chase Mining 10 August 2020 news release. • The Competent Person has not independently verified the historic 1967 to 2020 information for quality control and quality assurance nor been to the sites and therefore reporting as stated. •
Verification of sampling and assaying • *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• All drill hole information presented was compiled from original logs into a digital database. The database, available assay certificates, and drill core photographs were stored on the secure Company server. Significant intersections were verified by independent consultants.

JORC Code criteria and explanation	Commentary
Location of data points • ***Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*** • ***Specification of the grid system used.*** • ***Quality and adequacy of topographic control.***	• All drill collar information is presented in UTM coordinate system NAD83 Zone 17 North. • The drill collar locations were obtained from the original drill logs and plan maps of the drilling. The 1967 drill program information utilised local grid coordinates requiring registration of the gridded maps to obtain UTM coordinates. The subsequent drilling campaigns included UTM coordinates in the drill logs, acquired using GPS technology. • Down hole directional data was obtained using a variety of methods. The 1967 drilling campaign was limited to the use of acid tests which provided dip information only. Subsequent drilling campaigns use in hole survey instruments Reflex single shot and multi-shot in combination with acid test (2005 campaign)
Data spacing and distribution • ***Data spacing for reporting of Exploration Results.*** • ***Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.*** • ***Whether sample compositing has been applied.***	• Only select historic drill hole intersection and surface sampling results are presented. • The distribution of the historic surface samples is subject to historic property boundaries and outcropping of rock and access restriction.
Orientation of data in relation to geological structure • ***Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*** • ***If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.***	• Only historic information is presented and limited interpretation of orientation and structure has been made at this time. Intersections are reported as down hole lengths
Sample security • ***The measures taken to ensure sample security.***	• Only historic information is presented. • There is no relevant information available for the 1967 and 2005 drilling campaigns. • The 2010/20 chain of custody was provided by Orix Geoscience.
Audits or reviews • ***The results of any audits or reviews of sampling techniques and data.***	• No external audit of the drill hole database has been completed by Pivotal Metals. • No audits are available from previous drilling campaigns.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

JORC Code criteria and explanation	Commentary
Mineral tenement and land tenure status • ***Type, reference name/number, location and ownership***	• The BAGB Project is located approximately 100 km south of Rouyn-Noranda, in the Laverlochere are of Western Quebec, within the Belleterre-Angliers Greenstone Belt.

including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • ***The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.***	• The package totals 295 claims, all 100% owned by Pivotal Metals. Project / Claims / Ha Alotta 113 6142 Alotta-Delphi *15* *679* Midrim *89* *5021* Lac Katutu *2* *109* Zullo *3* *175* Laverlochere *3* *100* Laverlochere South *1* *58* Lorraine 158 8669 LaForce 24 1396 • All claims are in good standing, and many have excessive work credits. • Various claims are subject to one or more net smelter return royalties, up to 2.5%. Any royalties on the projects are payable only upon commercial production. • There are no known protection areas or native title interests overlapping the claims. Typically exploration on the properties would not be prioritised during hunting season (mid-Sept to mid-October) • There are no known impediments to completing proposed exploration work
Exploration done by other parties • ***Acknowledgment and appraisal of exploration by other parties.***	• Multiple rounds of exploration to date have been completed by other parties, which includes surface sampling, geophysics and drilling. • A significant amount of exploration data is available publicly on the Quebec ministry database SIGÉOM. • A reasonable level of effort has been made to include the context of relevant historical exploration in this report. • The CP cannot confirm the completeness of this data, nor validity of the work completed by previous explorers.
Geology • ***Deposit type, geological setting and style of mineralisation.***	• The BAGB projects are located in the Belleterre-Angliers Greenstone Belt (BAGB) of the Archean Superior Province of the Canadian Shield. Greenstone belts are characterised by an abundance of volcanic and sedimentary lithologies intruded by felsic, mafic, and ultramafic bodies. These lithologies are known to host magmatic Cu-Ni-PGE, shear zone and quartz vein hosted Au, and volcanogenic massive sulphide Cu-Zn deposits. • The magmatic PGM-Ni-Cu sulphide mineralisation within the southern Belleterre-Angliers Greenstone Belt is reportedly typically of the tholeiite-hosted variety, thus they are characterised by associations with gabbro dykes and sills that crosscut the previous volcanic stratigraphy. Mineralisation is generally found as disseminations, coarse blebs, veins and stringers within the lower portions of the intrusion, becoming more massive towards the basal contact and into the footwall country rock. • BAGB is already host to a number of magmatic Cu-Ni-PGE and Au deposits, occurrences, and past producers. The Cu-Ni-PGE are largely held within the BAGB project envelopes covering large portions of the Baby and Lac des Bois segments of the greenstone belt. • Quart vein Cu-Au and VMS style mineralisation has also been identified within BAGB.
Drill hole Information • ***A summary of all information material to the***	• Refer to Table 2 for drill collar and Table 3 for surface sample information relevant to this ASX announcement. Mineralisation is described in the body of the announcement.

understanding of the exploration results including a tabulation of the following information for all Material drill holes: ○ ***easting and northing of the drill hole collar*** ○ ***elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*** ○ ***dip and azimuth of the hole*** ○ ***down hole length and interception depth*** ○ ***hole length.*** • ***If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.***	
Data aggregation methods • ***In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.*** • ***Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.*** • ***The assumptions used for any reporting of metal equivalent values should be clearly stated.***	• Drilling and channel sample composite results are reported as weighted average grades, without top cutting. • In some instances, intervals are taken from historical reports without constituent assays available.
Relationship between mineralisation widths and intercept lengths • ***These relationships are particularly important in the reporting of Exploration Results.*** • ***If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*** • ***If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').***	• Relationship between mineralisation widths and intercept lengths are not known. • Intercepts are reported as down hole length, true width not known
Diagrams • ***Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole***	• Maps and sections are included in the body of this release as deemed appropriate by the competent person.

collar locations and appropriate sectional views.	
Balanced reporting • ***Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.***	• The CP has made reasonable effort to report all relevant exploration results in the context of the targets discussed in this announcement. • Historical records are not comprehensive, and it is acknowledged that gaps in the data exist.
Other substantive exploration data • ***Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.***	• Exploration data relevant to the targets discussed here have been incorporated in the body of the announcement. • Additional information can be found on the Pivotal Metals web site and within the relevant historic assessment reports available on the Government database.
Further work • ***The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).*** • ***Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.***	• Mapping and sampling to delineate structure and geological controls of Cu-Au vein mineralisation to support future drill targeting. • Extensive geophysics, including mag, EM and IP will support exploration efforts, particularly for the Ni-Cu sulphide targets.