

# Hole GR-04 at the newly discovered Grata deposit in Ivory Coast returned 6.40 m grading 1.05% nickel, 1.24% copper and 0.48 gpt palladium

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**Within a wider mineralized zone of 141 m grading 0.38% nickel, 0.37% copper and 0.25 gpt palladium**

## **Ivanhoe Electric to continue Earn-In on the Ivory Coast projects 2021 Highlights**

In 2021, January 25, 2022 - [Sama Resources Inc.](#) ("Sama" or the "Company") (TSXV:SME) (OTC:SAMMF) is pleased to announce drilling results from our 2021 drilling campaign. Sama drilled a total of 20 drill holes for 8,768 meters ("m") in 2021, including 5 holes at Yepleu for 2,766 m, 7 holes at the Samapleu deposit, including hole S-312 returning a combined 17.50 m at 1.87% nickel ("Ni"), 1.05% copper ("Cu") and 1.64 grams per tonne ("gpt") of palladium ("Pd"), and 7 holes at the Grata discovery for 2,921 m. Hole GR-04 drilled at the Grata discovery intersected 141m of continuous mineralization including near surface intervals of 6.40 m and 6.60 m grading 1.05% Ni - 1.28% Cu & 0.48 gpt Pd and 0.73% Ni - 0.38% Cu & 0.30 gpt Pd respectively. Table 1 summarizes results for all these holes. Assays results for GR-05 to GR-09 are still pending.

"Sama was very pleased with hosting the Ivanhoe Electric Inc. ("IVNE") - Sama Technical Meeting at the project site in Ivory Coast in mid-January. IVNE reviewed and acknowledged the large potential of the entire project especially with our high-quality intersections at the new Grata zone. The IVNE-Sama joint exploration program for 2022 should include between 5,000 m to 10,000 m of diamond drilling at the Grata, Samapleu and Yepleu deposits" stated Dr. Marc-Antoine Audet, President & CEO of [Sama Resources Inc.](#)

Dr. Audet added "Sama also proposes flying a new generation of helicopter-borne Electro-Magnetic survey to further refine the electromagnetic response of target zones identified in 2013 on PR 838 as well as to cover the newly acquired Zoupleu permit (PR 837). Additional funds should also be allocated for pursuing technical studies for the future open pit operation at the Samapleu deposit."

## **Grata: Latest discovery in the Yacouba Intrusive Complex**

In September 2021, Sama announced the Grata discovery located 5 kilometers ("km") east of the Samapleu deposit.

The discovery hole, GR-03, drilled in June 2021, returned a 310 m sequence of pyroxenite and gabbro containing a 147 m interval of disseminated sulfides and several intersections of semi-massive sulphide mineralization. The second hole GR-04 confirmed the width of the mineralized zone, with a 141 m mineralized intersection including 6.40 m and 6.60 m intervals grading 1.05% Ni, 1.28% Cu & 0.48 gpt Pd and 0.73% Ni, 0.38% Cu & 0.30 gpt Pd respectively (see Figures 1 to 5 and Table 1). All measurements are core length.

The mineralization at Grata is similar in composition to the Samapleu deposit but shows a larger proportion of chalcopyrite and therefore a higher copper to nickel ratio. This relationship between copper and nickel is particularly evident in the GR-06 mineralized zones (Figures 3 & 4).

The Company is looking at increasing mineral resources at Samapleu and Grata for a future surface mining operation as well as searching for massive sulphide veins and lenses that could have accumulated at depth in traps and embayments along the feeder system of the Yacouba Intrusive Complex.

## **Yepleu: Dynamic magmatic system**

At the Yepleu mineralized zone, hole YE-19 returned 45m of disseminated and semi-massive sulphide mineralization including 1.15m @ 1.40% Ni. Hole YE-20 drilled 600 m to the north-northeast returned 16m @ 0.49%Ni including 4.25 m @ 1.01% Ni (Figures 5 & 6).

Following the completion of hole YE-23 in mid-2021, which aimed at testing the strong electromagnetic conductor target with a 20,000 conductivity-thickness ("CT"), the Company decided to perform a wedge from the YE-23 hole. The wedged hole is aiming at the centre of the 20,000 CT target. However, due to delays in obtaining equipment and heavy rains during the last four months of 2021, the start of the wedging operation is now planned for the end of this month.

Yepleu is the centre of the intrusive feeder system with evidence of multiple magma injections generating a large volume of host rock assimilation.

At Yepleu and Grata, all newly intersected mineralization is characterized by aggregates of the nickel, copper and iron sulphides - pentlandite, chalcopyrite and pyrrhotite, respectively. Pentlandite occurs together with pyrrhotite, while the chalcopyrite is either mixed with the pentlandite and pyrrhotite or occurs as millimetric to centimetric sulphide veins/accumulations. The textures of the sulphide mineralization vary from disseminated to semi-massive and massive.

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Figure 1: Newly discovered zone at Grata is located 5 km east of Samapleu.

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Figure 2: IVNE representatives reviewing Grata mineralised material at the Samapleu project site on January 14, 2022.

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Figure 3: GR-06 cross section. The hole remained within the Yacouba complex for 340 m with mineralization ranging from disseminated to numerous intervals of semi-massive copper rich sulphide stringers.

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Figure 4: Gr-04-Gr-06 & Gr-08 section showing links between various mineralized zones.

Table 1: Summary of 2021 drilling program at Samapleu, Grata and Yepleu

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Figure 5: Cross-section at Yepleu showing drill results for the first three holes drilled in 2021.

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Figure 6: Hole YE-23: 20 cm of massive sulphide grading 1.31% Ni & 2.74 % Cu at 853m downhole. Note: sharp contact and a chilled margin suggesting mobilization of mineralization.

Core logging and sampling was performed at Sama's Samapleu and Yepleu field facilities. Sample preparation was conducted at the Bureau Veritas Mineral Laboratory in Abidjan. Sample pulps were delivered to Activation Laboratories Ltd, Ancaster, Thunder Bay, Canada, for assaying. All samples were assayed for Ni, Cu, Co, Pt, Pd, Au, Fe and S.

The technical information in this release has been reviewed and approved by Dr. Marc-Antoine Audet, P.Geo and President and CEO of Sama, and a 'qualified person', as defined by National Instrument 43-101 Standards of Disclosure for Mineral Projects.

#### ABOUT SAMA RESOURCES INC.

Sama is a Canadian-based mineral exploration and development company with projects in West Africa and now in Canada.

On March 19, 2021 Sama formalised a Joint Venture Agreement Ivanhoe Electric Inc, a private mineral exploration company in which mining entrepreneur Robert Friedland is a significant stakeholder, in order to develop its Ivorian Nickel-Copper and Cobalt project in Côte d'Ivoire, West-Africa. For more information about Sama, please visit Sama's website at <http://www.samaresources.com>.

#### ABOUT IVANHOE ELECTRIC INC.

Ivanhoe Electric Inc. is a privately-owned company focused on making technology-enabled metals discoveries for the electrification of everything. The Company deploys proprietary and disruptive technology that de-risks mineral and water discoveries. Ivanhoe Electric is focused on "electric metals" (copper, nickel, gold and silver) mining assets for the electric revolution. For further information, please visit [www.ivanhoeelectric.com](http://www.ivanhoeelectric.com).

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