

GEMFIELDS



Gemfields releases further research into the global supply of emerald, ruby and sapphire

LONDON, 4 FEBRUARY 2025

Gemfields, a world-leading miner of coloured gemstones, today launched a report entitled *Understanding the Global Supply of Emerald, Ruby and Sapphire*, authored by Lauriane Pinsault. Building on Gemfields' 2022 report entitled *Global Emerald & Ruby Supply: Analysing Market Data*, this latest analysis goes a step further in understanding the supply of coloured gemstones. Gemfields invites industry experts to review the information provided with a view to collaborating on further research, to improve transparency and understanding in the coloured gemstone industry.

Authored by Lauriane Pinsault, CEO of GeoGems, as an independent industry review, this latest report includes input from approximately 100 industry experts and companies who were invited to contribute. As funders of the research, Gemfields wishes to thank all of those who participated. The aim has been to promote coloured gemstones globally and allow individuals, companies and organisations to have access to improved information about the industry.

Gemfields Limited, 1 Cathedral Piazza, London, SW1E 5BP, United Kingdom

Tel: +44 20 7518 3400

gemfields.com

The paper follows on from the report *Global Emerald & Ruby Supply: Analysing Market Data*, which was also written by Lauriane Pinsault for Gemfields, who published it in March 2022. The first report used several sources of data (notably UN Comtrade and the United States Geological Survey “USGS”) and compared these with miners’ direct information, where it was made available. This research indicated that online data related to coloured gemstone supply is unreliable and often missing, and that values are often underdeclared.

This new research had three objectives. Firstly, to update data from the previous report; secondly, to add market analysis of sapphire; and thirdly, to incorporate new sources of information, working in collaboration with other miners, associations, cooperatives and consultants, to provide more robust analysis and understanding of global supply of emerald, ruby and sapphire. While this report incorporates a greater number of collaborators than the initial one in 2022 did, and therefore presents a more informed analysis of the industry, the data regarding the industry is still inconsistent, often incomparable and far from robust.

“This second deep-dive into the global supply of emerald, ruby and sapphire makes solid strides forward, but continues to serve as a reminder of how far the coloured gemstone industry still has to go to reach the levels of transparency that end consumers deserve. Gemfields has pioneered approaches such as this research paper series and the G-Factor for Natural Resources, to facilitate a clearer understanding of the coloured gemstone sector, so that the industry can increasingly serve as a force for good,” explains Sean Gilbertson, CEO of Gemfields.

“This new paper is the result of a long-term endeavour to connect with and contact numerous actors within the coloured gemstone industry. Their opinions, compiled using data from miners, governments and industry reports, makes this paper one of the most reliable works completed to date in relation to estimating the volumes of production of ruby, emerald and sapphire. That said, the highlighted inconsistencies, incoherencies, lack of information and resistance by some within the industry to collaborate – even anonymously – shows that there is still a long way to go before we reach a comparable level of access to information to that which exists in the diamond industry. Such access would surely benefit the entire sector,” says Lauriane Pinsault, CEO of GeoGems.

Providing an overview of coloured gemstone supply, its evolution across the past 40 years and its current status, Pinsault’s research is informed by miners, mining associations and consultants, data collection agencies, governmental mineral statistics and USGS and Extractive Industry Transparency Initiative (EITI) reports, in addition to bibliographic research, notably from industry-specialised publications such as *Gems & Gemology*, *Journal of Gemmology* and *InColor*.

Unlike the 2022 report, this report also sought to include information about the Artisanal and Small-scale Mining (ASM) sector. Collaboration with associations, consultants and miners of all scales has enabled this research to provide a better estimate of the share of global supply attributable to ASM, and therefore the paper attempts to give an estimate of the undeclared portion of production that arises from this channel.

In pursuit of greater transparency, Gemfields encourages all coloured gemstone producers to publish their G-Factor for Natural Resources annually. The G-Factor for Natural Resources is a simple calculation of the percentage of an extractive company's revenue that is paid to the country-of-origin's government in the form of mineral royalties, corporation tax and, where applicable, dividends. In April 2024, Zambia became the first country in Africa to publish G-Factor for Natural Resources data for selected mining companies via its EITI online portal, furthering transparency and accountability in Zambia's mining sector. Further information can be found [HERE](#)

Gemfields hopes to collaborate with interested parties to co-author further research papers in this series, in order to facilitate better understanding of global emerald, ruby and sapphire supply. Those interested in contributing to or co-authoring future papers should contact helena.choudhury@gemfields.com.

- ENDS -

The Understanding the Global Supply of Emerald, Ruby and Sapphire report can be found here: [Research & Reports | Gemfields](#)

Please find link to high resolution image [HERE](#)

ENQUIRIES

GEMFIELDS

HEAD OFFICE

LONDON Helena Choudhury helena.choudhury@gemfields.com

Albertina Namburete albertina.namburete@gemfields.com

REGIONAL CONTACTS

LONDON Beniamino Muroi beniamino.muroi@purplepr.com

MUMBAI Andrea Rebeiro andrea.rebeiro@madisonpr.in

NEW YORK Meline Agabaian meline.agabaian@purplepr.com

NOTES TO EDITORS

About The Author

Lauriane Pinsault is a mining engineer specialising in the extraction of coloured gemstones. After spending several years working in the field in both Asia and Africa, Lauriane developed strong expertise in data analysis, as well as a profound interest in the topics of ethics and traceability in the gemstone sector. In 2022, Lauriane, together with two other PhD geologists, founded the consultancy firm GeoGems, based in France. GeoGems aims to work towards increased sustainability and transparency in the sector, providing services that include market research, competent person reports for mines, gemstone identification and gemmological training.

GEOGEMS

About Gemfields

Gemfields is a world-leading responsible miner and marketer of coloured gemstones. The operator and 75% owner of both the Kagem emerald mine in Zambia (believed to be the world's single largest producing emerald mine) and the Montepuez ruby mine in Mozambique (one of the most significant recently discovered ruby deposits in the world), Gemfields believes that those who mine gemstones should do so with transparency, legitimacy and integrity.

Gemfields introduced a technologically advanced coloured gemstone sort house at its operation in Mozambique, with state-of-the-art equipment, like optical sorting machines. In addition, a proprietary grading system, a pioneering auction platform and an active marketing presence have all contributed to Gemfields playing a significant role in the rise of African gemstones. Underlying

this achievement has been the strong belief that coloured gemstones should create a positive impact for the country and community from which they originate.

Responsible mining for Gemfields means implementing industry-leading policies and practices across operations, transparency in its auction sales process, an active role in working groups to modernise the sector, projects to improve health, education and livelihoods for the communities around its mines and conservation efforts (#conservationgemstones) to protect Africa's great wildlife and biodiversity.

Gemfields Foundation is the charitable arm of Gemfields, through which donors can contribute funding to directly support community and conservation projects in Africa, magnifying the scale of the work already carried out by Gemfields itself.

Fabergé – an iconic name with an exceptional heritage – is a member of the Gemfields Group. The beauty of Fabergé's designs and craftsmanship helps to raise consumer awareness of responsibly mined coloured gemstones.

As well as supplying a significant share of the world's rough rubies and emeralds, Gemfields initiates activations to build desire for coloured gemstones: for example, collaborations with international jewellery brands and other creative partners. Often surprising, unexpected and unique, these collaborations are chosen to promote consumer awareness and increase the appeal of coloured gemstones, raising their profile, and, in turn, providing greater benefit to their place of origin in Africa.

GEMFIELDS

[GEMFIELDS.COM](https://www.gemfields.com) | [INVESTORS](#) | [FOUNDATION](#)

[INSTAGRAM](#) | [FACEBOOK](#) | [X](#) | [YOUTUBE](#)

FABERGÉ

[FABERGÉ.COM](https://www.faberge.com) | [INSTAGRAM](#) | [FACEBOOK](#) | [X](#) | [YOUTUBE](#)

KAGEM MINING LIMITED [LINKEDIN](#)

MONTEPUEZ RUBY MINING [LINKEDIN](#)