

Emeralds



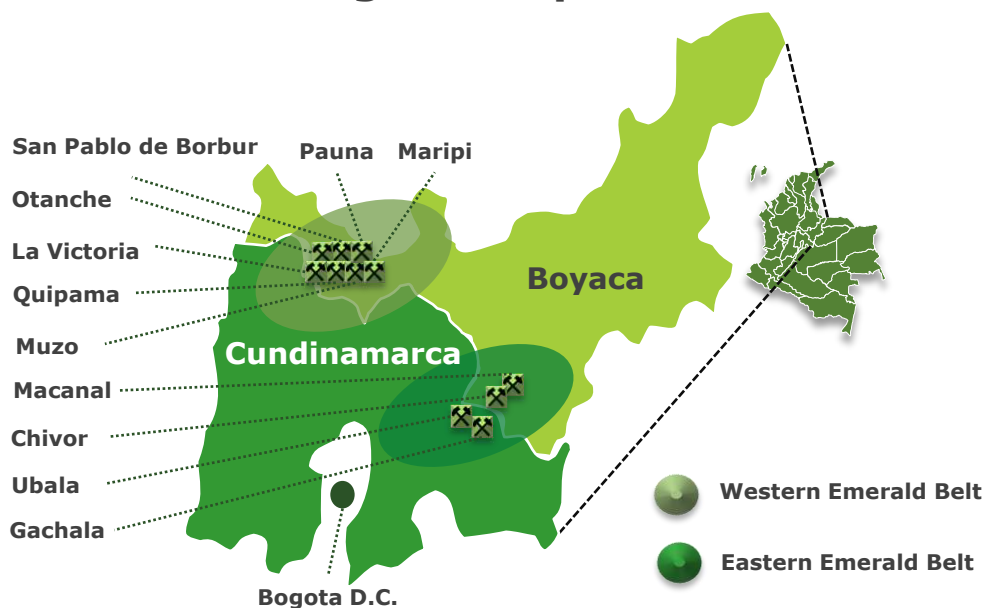
Production Data

	2019 (Carats)	2020 (Carats)	2021 ^P (Carats)	2022 ^{Pr} (Carats)
Raw	613,716	1,555,470	863,991	914,323
Set	3	10	0	0
Cut	151,885	47,744	633,225	168,674
Unspecified				160,843
Other qualities	1,013,519	3,117,799	2.226	9,010

Source: NMA - Mineral exploitation volumes associated with royalty payments, data as of October 31, 2023. P: provisional. Pr: preliminary. Mct: million carats.



Main Producing Municipalities



Department	Municipality	Emeralds	2019 (Carats)	2020 (Carats)	2021 ^P (Carats)	2022 ^{Pr} (Carats)
Boyaca	Muzo	Raw	391,766	1,360,738	676,048	764,463
		Set				
		Cut	10,666	667	519,070	
		Other qualities	998,870	3,117,799	624	3,542
	Quipama	Raw	64,351	481	2,678	5,487
		Set				
		Cut	7,987	2,786	6,278	2,271
	San Pablo de Borbur	Raw	69,682	6,289	102,828	38,514
		Set	3	2		
		Cut	40,466	13,754	16,133	27,338
		Other qualities	12,664			133,644
	Maripi	Raw	86,367	168,551	73,019	105,175
		Set			7	
		Cut	90,334	30,413	87,309	136,410
		Other qualities	1,934		1,603	22,082
	Other	Raw	1,550	19,375	9,002	
Set						
Cut		108				
Other qualities						
Cundinamarca	Gachala	Raw		37		24
		Set				
	Ubala	Cut	2,325	124	4,435	2,654
		Other qualities	51			
	Unspecified				416	659
Total			1,779,123	4,721,024	1,499,442	1,252,850

Source: NMA - Mineral exploitation volumes associated with royalty payments, data as of October 31, 2023. P: provisional. Pr: preliminary.

Emeralds



Colombian Emeralds Data

Emeralds accounted for **0.18%** of the value of Colombian exports and **0.63%** of mining exports in 2022.

Colombian emerald mining is carried out in underground operations with **technification processes and new investments** in some of the main mining projects in operation, such as the Puerto Arturo and Coscuez mines.



In 2022^{pr}, emeralds accounted for **0.11%** (USD 2.07 million) of the mining royalties collected.

The **price per carat** of each emerald can vary according to the **purity and color of each gem** (quality), the estimated value per carat of a cut emerald can range from USD 200 to USD 150,000.

Colombian emeralds **have very typical inclusions** that become their hallmark that differentiate them from the emeralds from other producing countries.

Source: ANM 31/10/2023 , DANE, SIMCO - UPME, ITC - Trade Map, Average exchange rate 2020: Col \$3,693.36; 2021: Col \$3,743.09; 2022 : Col \$4.255,44. * Percentages by value of exports.

Colombian emerald exports are transported by air. Main destinations of cut emeralds **2022***: **United States 53.45%**; **Hong Kong 16.31%**; **Thailand 9.71%**; **Japan 6.73%**; **Israel 3.05%**; **India 2.63%**; **Singapore 1.78%**; **Italy 1.53%**; **United Arab Emirates 1.27%**; **Switzerland 0.88%**; **Germany 0.71%**; **Canada 0.43%**; **Austria 0.32%**; **Monaco 0.25%**; **France 0.15%**; **Slovakia 0.12%**; **Australia 0.11%**; **Spain 0.10%**; **Kuwait 0.10%**; **Taiwan 0.09%**; **Indonesia 0.06%**; **Portugal 0.04%**; **New Zealand 0.04%**; **Belgium 0.03%**; **Czech Republic 0.02%**; **Armenia 0.02%**; **Turkey 0.02%**; **Brazil 0.02%**; **United Kingdom 0.01%**; **Chile 0.004%** **Sri Lanka 0.004%**; **Slovenia 0.001%** and **Other countries 0.01%**.

Main destinations of raw emeralds during **2022***: **Bogota Free Zone 52.96%**; **United States 32.76%**; **Hong Kong 13.50%**; **Japan 0.21%**; **Monaco 0.17%**; **Canada 0.09%**; **Australia 0.07%**; **Spain 0.05%**; **Thailand 0.05%**; **Germany 0.05%**; **Switzerland 0.03%**; **Brazil 0.02%**; **Slovenia 0.01%**; **United Arab Emirates 0.01%**; **Turkey 0.002%**; and **Taiwan 0.001%**.

"Of the producing countries, Colombia is the world's **largest** exporter of cut emeralds, with the **highest quality gems** in the world."