

Columbite-Tantalite (COLTAN) Ore

Deposit Details

Location of Deposit:	Kono, Eastern Province of Sierra Leone
Deposit Identification:	Columbite-Tantalite (COLTAN) Ore Deposit
Geological Formation:	Biotite granite, porphyroblastic granite of Archaean Basement rocks
Resource Volume Estimate:	N/A
Resource Quality/Grade:	N/A
Operating Mining Company:	Artisanal Operations

The Columbite-Tantalite (COLTAN) Ore Deposit in Sierra Leone's Kono District is a notable source of critical minerals, including columbite and tantalite, which are essential for producing tantalum and niobium. These metals are vital in high-tech industries, particularly for electronic components and alloy production. Geologically, the deposit is part of the Archaean Basement rocks, hosted within biotite granite and porphyroblastic granite formations, indicating its mineral wealth.

Although specific resource volume and grade estimates are not available, the deposit's potential is significant. Mined by artisanal miners, the site is part of the country's expanding mining sector. With global demand for tantalum and niobium on the rise, the Kono COLTAN Deposit plays a crucial role in Sierra Leone's contribution to the global supply chain of these strategic minerals, supporting both local development and international markets.

