

Tin Ore: Kamakwei Deposit

Deposit Details

Location of Deposit:	Kamakwei, Karene District, North Western Sierra Leone
Deposit Identification:	Kamakwei Deposit
Geological Formation:	Amphibolite, quartzite, and banded iron stone of the Loko Hills Greenstone belt.
Resource Volume Estimate:	N/A
Resource Quality/Grade:	40% Sn
Operating Mining Company:	Artisanal Operations

The Kamakwei Cassiterite Mineralization in Sierra Leone's Karene District is a notable source of cassiterite, the primary ore of tin. Located within the Loko Hills Greenstone Belt, it features formations of amphibolite, quartzite, and banded ironstone. Concentrate has an estimated tin grade of around 40%, indicating moderate concentrations of tin. Currently mined by artisanal operations, the deposit holds significant potential for local economies, as cassiterite is used in various industrial applications like tin plating and electronics. While detailed resource estimates are lacking, future exploration could reveal its full capacity, highlighting the need for sustainable and regulated mining practices to benefit the community. Further exploration work is required to identify significant deposit.

