

Ilmenite Concentrate: Gbangbama Deposit

Deposit Details

Location of Deposit:	Bonthe District, Southern Province of Sierra Leone
Deposit Identification:	Gbangbama Deposit
Geological Formation:	Heavy Mineral Deposit derived from quartzo-feldspathic gneisses of the Precambrian Kasila Group and also hosted within the Bullum sediments.
Resource Volume Estimate:	Produced as a by-product of rutile mining
Resource Quality/Grade:	15-26% Fe_2TiO_3
Operating Mining Company:	Sierra Rutile Limited

The Gbangbama Ilmenite Deposit in Sierra Leone's Bonthe District is also mined by Sierra Rutile Limited as a by-product of rutile mining. The ilmenite, derived from quartzo-feldspathic gneisses of the Precambrian Kasila Group and hosted in Bullum sediments, ranges in quality from 15% to 26%. Ilmenite is a key ore in the production of titanium dioxide (TiO_2), used in paints, plastics, paper, welding rods, and various industrial applications. The Gbangbama Ilmenite deposit plays an important role in Sierra Leone's economy and the global supply of ilmenite for diverse industries.

