

**The Niquelândia Mafic-Ultramafic Complexo of Central Goiás,  
Brazil: Petrological Considerations**

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The Precambrian Niquelândia Complex displays, in the área examined, the following stratigraphy: a) Basal Gabbroic Zone (BGZ); b) Basal Peridotite Zone (BPZ); c) Layered Ultramafic Zone (LUZ); d) Layered Gabbroic Zone (LGZ).

On the basis of field relationships, petrography, stratigraphy, bulk composition, mineral composition and equilibria it is concluded that: a) mantle tectonites likely do not occur at Niquelândia; b) the complex derives from the fractionation of a basaltic (picritic) magma.

The emplacement occurred under a 15-20 km thick crust and the complex re-equilibrated at 850-950°C under the same pressure regime.

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