

COMPARATIVE STRATIGRAPHIC CHART FOR PRECAMBRIAN ROCKS OF THE QUADRILÁTERO FERRÍFERO

Von Eschwege 1817 Minas Gerais		Derby 1881 Minas Gerais		1906 Minas Gerais		Harder and Chamberlin 1915 Minas Gerais		Von Freyberg 1932 Minas Gerais		Guimarães 1931, 1935 Minas Gerais		Barbosa 1954 Minas Gerais		U. S. Geological Survey—Departamento Nacional da Produção Mineral (Dorr and others 1957) Quadrilátero Ferrífero		Present report Nova Lima and Rio Acima quadrangles	
Secondary series	Sandstone	Sandstone with pebble beds	Sandstone with pebble beds	Itacolúmi quartzite	Quartzite Phyllite Conglomerate	Itacolúmi series	Itacolúmi series	Itacolúmi series	Quartzite, Phyllite, Conglomerate	Itacolúmi series	Quartzite Phyllite Conglomerate	Itacolúmi series	Quartzite Phyllite Conglomerate	Itacolúmi series	Quartzite Phyllite Conglomerate	Itacolúmi series	Quartzite Phyllite Conglomerate
	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY
	Limestone	Dolomitic limestone	Dolomitic limestone	Piracicaba formation	Schist Quartzite Dolomite	Upper schist sequence	Phyllites and schists	Phyllites and schists	Phyllite Quartzite Dolomite Iron-formation (itabirite)	Piracicaba formation	Chlorite schist and graywacke with metavolcanic rocks	Graphite schist	Quartzite	Quartz schist and ferruginous schist	Ferruginous quartzite, phyllite, conglomerate, dolomite	LOCAL DISCORDANCE	Gandarela formation ¹ Dolomite Phyllite Dolomitic itabirites
	Iron-formation	Iron-formation	Iron-formation	Itabira formation	Iron-formation (itabirite)	Itabirite-quartzite sequence	Itabirite-quartzite sequence	Phyllites and dolomitic schists with itabirites and quartzites	Dolomite Iron-formation (itabirite) Phyllite ²	Itabira formation	Cauê itabirite ¹ Oxide facies iron-formation	Batatal formation ¹ Phyllite, graphitic phyllite	Moeda formation ¹ Quartzite Phyllite Conglomerate	UNCONFORMITY	Upper part Quartzite, conglomerate Quartz schist	Lower part Quartzite, graywacke, quartz schist, phyllite	UNCONFORMITY
Clay schist	Quartzite	Quartzite	Batatal schist	Schist	Lower schist sequence	Lower schist sequence	Phyllites and dolomitic schists with itabirites and quartzites	Quartzite Conglomerate Quartz and mica schist	Caraça formation ⁴	Quartzite Conglomerate	UNCONFORMITY	Gneiss	UNCONFORMITY	Gneiss Granitic rock	UNCONFORMITY	Gneiss Granitic rock	
Primary series	Basement complex	Gneiss and mica schist (Laurentian)	Gneiss and mica schist (Laurentian)	Probable Archean	Basal complex	Gneiss, Amphibolite, Granite	Basal complex	Gneiss, Amphibolite, Granite	Barbacena series ⁵	Green schist Talc schist Gneiss Granodiorite	UNCONFORMITY	Gneiss	UNCONFORMITY	Gneiss Granitic rock	UNCONFORMITY	Gneiss Granitic rock	
	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY	UNCONFORMITY

1 These formations were named and described briefly in 1958 in a symposium on stratigraphy of the Minas series, Bol. Soc. Brasileira de Geologia, v. 7, no.2, p. 57-69
 2 Includes Batatal of Harder and Chamberlin.
 3 Includes part of the Rio das Velhas series in the USGS-DNPM classification.
 4 Includes rocks classified with the Maquine group in the USGS-DNPM classification.
 5 Includes some known post-Minas rocks.
 6 Named by J. E. O'Rourke (written communication).
 7 The oldest gneisses and granitic rocks in the Quadrilátero Ferrífero do not have the same appearance as those of the type locality of the Mantiqueira series of Barbosa. Post-Minas gneiss is common.