Diagrama de coluna estratigráfica

Harder and Chamberlin, (1915)			
Age	Series	Formation	Lithology
Tertiary and Recent			Canga, alluvium, gravel
Miocene or Pliocene			Clay, silt, lignite
			Profound erosional and angular unconformity
Algonkian	Minas	Itacolomi	Quartzite, phyllite, talc schist
		Piracicaba	Argillaceous and quartzitic schist, quartzite, iron-formation, dolomite, limestone
			?
		Itabira	Itabirite, limestone
		Batatal	Argillaceous schist
		Caraça	Quartzite, quartz, schist
			Unconformity
Archean			Basement complex: schist, gneiss, granite, amphibolite, metavolcanics

Lacourt, (1936) (Ouro Prêto area)			
Age	Series	Division	Lithology
Tertiary and Recent			Canga, alluvium, gravel
Tertiary			Lake and stream sediments, minor lignite
			Profound angular and erosional unconformity
Middle Algonkian	Itacolomi	Upper	Crossbedded sericitic quartzite
			Phyllite
		Lower	Sericitic quartzite, conglomerate
Lower Algonkian	Minas	Upper	Hematitic phyllite
			?
		Middle	Itabirite and dolomite
			Gray phyllite
			Itacolumite (sericitic quartzite)
		Lower	(These rocks not present in Ouro Prêto area)
			Hematitic phyllite, biotite schist
Archean			Granitic rocks, granite through granodiorite. Gabbro, migmatite, mica schist, granitic gneiss, so forth

Barbosa, (1954)			
Age	Series	Formation	Lithology
Tertiary and Recent			Canga, alluvium, gravel
Miocene or Pliocene			Lake and stream sediments, minor lignite
			Profound angular and erosional unconformity
	Itacolomi		Sericitic quartzite, conglomerate, phyllite, and itabirite lenses
			Angular and erosional unconformity
Precambrian	Minas	Piracicaba	Phyllite, quartzite, dolomite, itabirite
			?
		Itabira	Itabirite, dolomite, phyllite
		Caraça (Shown on map as Caraça Formation)	Quartzite, conglomeratic quartzite, conglomerate
			Angular and erosional unconformity
	Barbacena		Greenschist, limestone quartzite, ultramafic and metavolcanic rock gneissic equivalents

THIS REPORT						
Age	Series	Group	Formation	Lithology	Sedimentary environment	Maximum thickness, in meters (approximate)
Cretaceous(?) Tertiary(?) Recent			(Unnamed)	Canga, lacustrine and stream sand, clay, gravel, alluvium, and colluvium	Continental	100
Tertiary			Floraila	Lake and stream sediments, minor lignite	Continental	100
				Profound angular and erosional unconformity		
	Itacolomi	(undivided)		Type area: orthoquartzite, and protoquartzite, conglomerate, grit	Paralic	2,000?
				Santo Antônio facies: protoquartzite, phyllite, phyllitic quartzite, conglomerate	Molasse?	1,000?
				Angular and profound erosional unconformity		
Precambrian	Minas	Piracicaba	Sabará	Chlorite schist and phyllite, metatuff, graywacke, tilloid, conglomerate, quartzite, minor iron-formation	Eugeosynclinal Flysch	3,000+
				Local erosional unconformity		
			Barreiro	Phyllite and graphitic phyllite	Stable shelf (blanket)	150
			Taboões	Orthoquartzite	Stable shelf (blanket)	125
			Fêcho do Funil	Quartzose phyllite, dolomitic phyllite, siliceous dolomite	Stable shelf (blanket)	410
			Cercadinho	Ferruginous quartzite, quartzite, grit, phyllite, ferruginous phyllite, minor conglomerate and dolomite	Stable shelf (blanket)	600
				Local erosional unconformity		
		Itabira	Gandarela	Dolomite and minor limestone, dolomitic itabirite, itabirite, dolomitic phyllite	Stable shelf (blanket)	600
			Cauê	Itabirite (oxide-facies iron-formation, dolomitic itabirite, minor phyllite and dolomite	Stable shelf (blanket)	350+
		Caraça	Batatal	Phyllite, slightly graphitic phyllite, minor metachert and oxide-facies iron-formation	Stable shelf (blanket)	250
			Moeda	Paralic facies: orthoquartzite and grit, conglomerate, phyllite	Stable	1,000
				Blanket facies: Sericitic quartzite, quartzose phyllite, protoquartzite	shelf	150
				Local erosional unconformity		
		Tamanduá	(Unnamed)	Dolomitic phyllite, dolomitic iron-formation (oxide-facies), quartzose phyllite	Stable shelf	300
			Cambotas	Orthoquartzite, conglomerate, grit, conglomeratic quartzite, minor quartzose phyllite	Paralic prismatic	1,000
				Erosional and angular unconformity		
	Rio das Velhas	Maquiné	Casa Forte	Protoquartzite, grit, conglomerate, minor phyllite and subgraywacke	Eugeosynclinal Molasse	400+
			Palmital	Phyllite, quartzose phyllite, protoquartzite, graywacke, subgraywacke, minor basal conglomerate	Eugeosynclinal Molasse	1,400
				Local erosional and possibly angular unconformity		
		Nova Lima	(Undivided)	Phyllite, largely chloritic, graywacke, carbonate-facies iron-formation, metavolcanics, minor quartzite, tilloid, conglomerate, and dolomite Rb—Sr age on muscovite 2800 million years before present	Eugeosynclinal (Flysch)	4,000+
				No basement rocks exposed in the Quadrilátero Ferrífero; all granitic rocks are intrusive		

DIAGRAM SHOWING DEVELOPMENT OF STRATIGRAPHIC COLUMN OF THE QUADRILÁTERO FERRÍFERO, BRAZIL, 1915–65

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