

Harder and Chamberlin, (1915)				Lacourt, (1936) (Ouro Prêto area)				Barbosa, (1954)				THIS REPORT			
	Tertiary and Recent	Age	Series		Tertiary and Recent	Age	Series		Tertiary and Recent	Age	Series		Lithology	Sedimentary environment	Maximum thickness, in meters (approximate)
Archean	Unconformity			Canga, alluvium, gravel	Canga, alluvium, gravel	Canga, alluvium, gravel	Canga, alluvium, gravel	Canga, alluvium, gravel	Canga, lacustrine and stream sand, clay, gravel, alluvium, and colluvium	Continental	100				
	Basement complex: schist, gneiss, granite, amphibolite, metavolcanics			Clay, silt, lignite	Lake and stream sediments, minor lignite	Lake and stream sediments, minor lignite	Lake and stream sediments, minor lignite	Profound angular and erosional unconformity	Profound angular and erosional unconformity	Profound angular and erosional unconformity	Profound angular and erosional unconformity				
	Quartzite, quartz, schist			Profound erosional and angular unconformity	Quartzite, phyllite, talc schist	Middle Algonkian	Itacolomi	Itacolomi	Cretaceous(?) Tertiary(?) Recent	Tertiary	Florala	Lake and stream sediments, minor lignite	Continental	100	
						Lower Middle Upper	Itacolomi	Itacolomi				Profound angular and erosional unconformity			
						Crossbedded sericitic quartzite		Sericitic quartzite, conglomerate, phyllite, and itabirite lenses				Type area: orthoquartzite, and protoquartzite, conglomerate, grit Santo Antônio facies; protoquartzite, phyllite, phyllitic quartzite, conglomerate	Paralic Molasse?	2,000? 1,000?	
						Phyllite						Angular and profound erosional unconformity			
						Sericitic quartzite, conglomerate						Chlorite schist and phyllite, metatuff, graywacke, tilloid, conglomerate, quartzite, minor iron-formation	Eugeosynclinal Flysch	3,000+	
						Hematic phyllite						Local erosional unconformity			
						?						Phyllite and graphitic phyllite	Stable shelf (blanket)	150	
						Itabirite and dolomite						Orthoquartzite	Stable shelf (blanket)	125	
						?						Quartzose phyllite, dolomitic phyllite, siliceous dolomite	Stable shelf (blanket)	410	
												Ferruginous quartzite, quartzite, grit, phyllite, ferruginous phyllite, minor conglomerate and dolomite	Stable shelf (blanket)	600	
												Local erosional unconformity			
												Dolomite and minor limestone, dolomitic itabirite, itabirite, dolomitic phyllite	Stable shelf (blanket)	600	
												Itabirite (oxide-facies iron-formation, dolomitic itabirite, minor phyllite and dolomite)	Stable shelf (blanket)	350+	
												Phyllite, slightly graphitic phyllite, minor metachert and oxide-facies iron-formation	Stable shelf (blanket)	250	
												Paralic facies: orthoquartzite and grit, conglomerate, phyllite	Stable shelf	1,000	
												Blanket facies: Sericitic quartzite, quartzose phyllite, protoquartzite	150		
												Local erosional unconformity			
												Dolomitic phyllite, dolomitic iron-formation (oxide-facies), quartzose phyllite	Stable shelf	300	
												Orthoquartzite, conglomerate, grit, conglomeratic quartzite, minor quartzose phyllite	Paralic prismatic	1,000	
												Erosional and angular unconformity			
												Protoquartzite, grit, conglomerate, minor phyllite and subgraywacke	Eugeosynclinal Molasse	400+	
												Phyllite, quartzose phyllite, protoquartzite, graywacke, subgraywacke, minor basal conglomerate	Eugeosynclinal Molasse	1,400	
												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