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The Zimbabwe Craton in Mozambique: A brief review of its geochronological pattern and its relation to the Mozambique Belt

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3	BELT
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9 ABSTRACT

The eastern margin of the Zimbabwe Craton, along the Mozambique-Zimbabwe border, includes 10 the oldest rocks of west-central Mozambique constituting a large terrain of granite-greenstone 11 type dated between 3000 and 2500 Ma. These rocks consist mainly of gneisses and granitoid 12 rocks of tonalitic-trondhjemitic-granodioritic composition belonging to the Mudzi Metamorphic 13 Complex in the northern part and to the Mavonde Complex in the southern part. The latter is 14 associated with a granite-greenstone terrain, which includes the eastern part of Mutare-Odzi-15 Manica greenstone belt. A volcano-sedimentary sequences cover, belonging to the apparently 16 17 Mesoproterozoic and Paleoproterozoic Umkondo and Gairezi groups respectively was deposited along the eastern margin of the craton and is exposed in the territory of Mozambique. The 18 19 Umkondo minimum age is marked by intrusive dolerite in Zimbabwe dated at 1100 Ma while for 20 the Ghairezi it is still not well established. The Gairezi Group was subjected to progressive metamorphism of Pan-African age. At the margin of the Zimbabwe Craton, in its northern part, 21 22 metasedimentary units occur representing a passive margin of Neoproterozoic age. They make 23 up the Rushinga Group, which includes felsic metavolcanic rocks dated at ca.800 Ma. 24 Granulites and medium- to high-grade paragneisses, and migmatites of the Chimoio, Macossa Download English Version:

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