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Structural analysis of impact-related deformation in the collar rocks of the Vredefort Dome, South Africa

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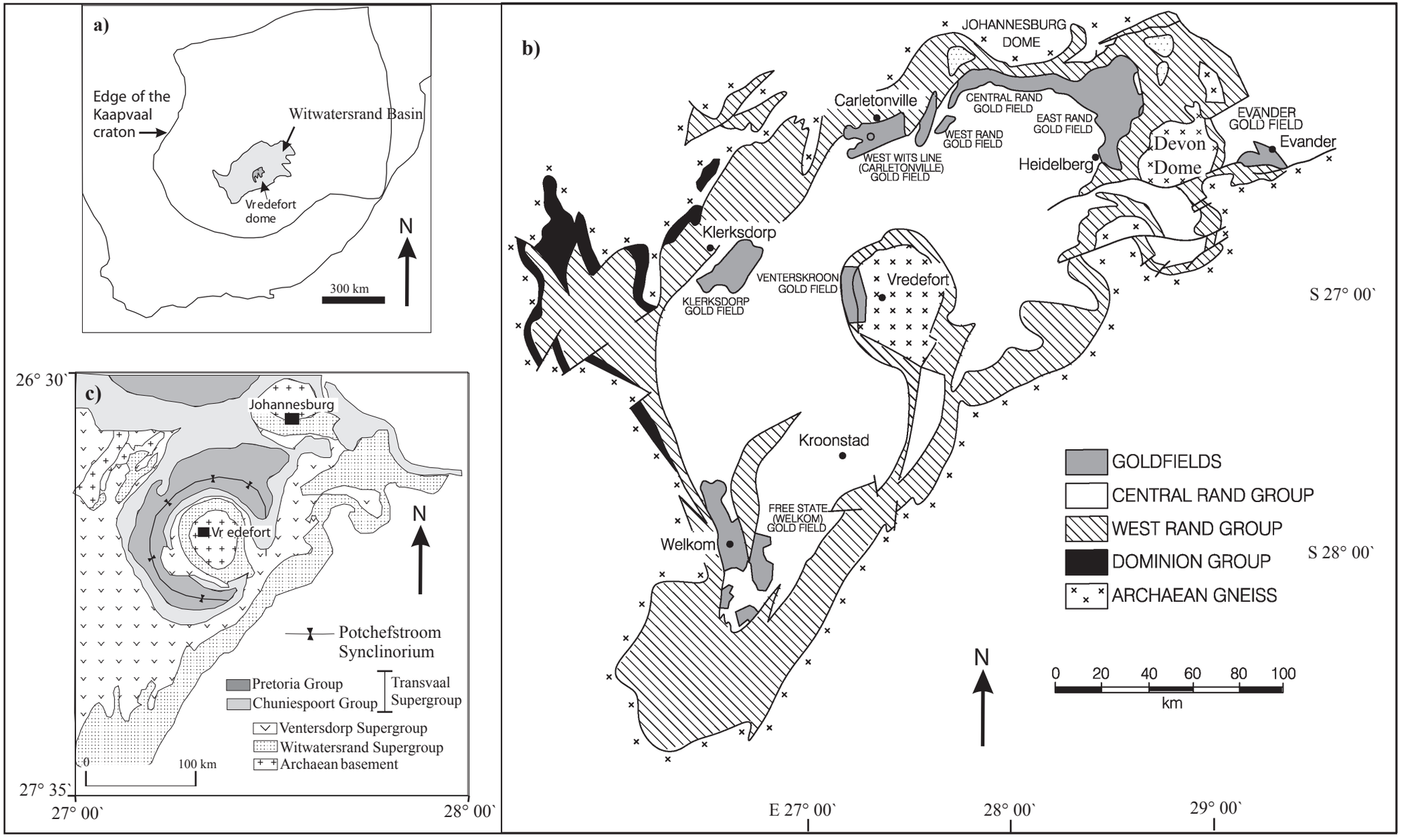

Fig. 1.6: (a) Schematic map of southern Africa, showing the extent of the Kaapvaal Craton and the location of the Witwatersrand Basin, and the Vredefort Dome in its central parts (modified after Lana et al. 2004). (b) Simplified geological map of the Witwatersrand Basin showing the stratigraphy and distribution of lithologies (post-Witwatersrand rocks are stripped away). The main goldfields in this area are also indicated (after Robb and Robb 1998). (c) Simplified map of the Vredefort Structure showing the stratigraphy and the distribution of lithologies within and around the structure (after Lana et al. 2003a). Also shown is the rim syncline surrounding the structure (Potchefstroom Syncline). Note that the Karoo Supergroup cover has been removed.