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PALEOZOIC EXTRUSION TECTONICS IN GONDWANALAND FORCING

LARGE-SCALE STRIKE SLIP MOTION IN THE CHARTERS TOWERS PROVINCE, NORTHEASTERN AUSTRALIA
**Figure 1:** Simplified geological map of central and eastern Australia showing the overall N-S trending Tasman Orogenic System to the East separated from the Precambrian cratonic basement by the Tasman Line. Note the E-W trends of the Charters Towers Province. Thin lines show magnetic trends.
Figure 2: Simplified geological map of the Charters Towers Province showing the main metamorphic units, batholiths and sedimentary basins. Rectangles show location of Figures 3 and 5. Inset shows the location of the Charters Towers Province (CTP) within the Tasman Orogenic System (TOS). Modified after Fergusson et al. (2007).
Figure 3: Geological map of the Seventy Mile Range Group (SMRG) in the Thalanga region showing the location of the samples used for FIA measurement and matrix foliation within the Puddler Creek Formation.
**Figure 4:** Photomicrographs and line diagrams showing representative pseudomorphs after andalusite and cordierite from rocks of the Puddler Creek Formation. See text for details.
Figure 5: Geological map of the Charters Towers Metamorphics showing the location of the sample used for FIA measurement and matrix foliation.