

Lowry D.C. 1976: **Tectonic history of the Collie Basin, Western Australia.**
Geol. Soc. Australia Jour. v.23, 95-104.

ABSTRACT

The small Collie Basin in southwestern Australia contains 1500 m of Lower Permian tillite and Lower to Upper Permian continental coal measures. Lower Permian sediments were probably widespread, but subsequent Permian sedimentation was restricted to a graben by contemporaneous faulting. An earlier interpretation that the basin is an erosional feature is rejected because the sediments are basically fluvial -not lacustrine. Later (?Neocomian) faulting tilted the beds and raised a mid-basin ridge. Low reflectance of vitrinite and high moisture content show that the coals are low rank and it is tentatively estimated that about 300 m have been stripped from the least eroded parts of the basin since the Permian.