

Flinders-1

Vitrinite Reflectance / Maceral Descriptions

The Flinders sequence is altered from contact metamorphism. An attempt was made to distinguish the population from the horizon nominated from cavings and these distinctions are shown in the written descriptions. Some intervals may have more than one population present within the nominated interval because the zones affected by contact alteration can be relatively thin. The intrusions occurred after most compaction had occurred but before the coals had achieved a rank of about vitrinite reflectance of 0.5%. Coke structures are present but are only weakly developed. The deepest samples are probably representative of the level of regional metamorphism at that depth. The data are of good quality but the extensive nature of altered coals means that they are also complex. Three populations are distinguished. "I" refers to coals at, or close to, the regional level of coalification. "II" refers to the less altered contact metamorphosed population. "III" refers to the most severely altered population.