



STRATA SUBCROPPING
BENEATH MESOZOIC COVER

CARBONIFEROUS

- Lower Coal Measures } Westphalian
- Millstone Grit Group } Namurian
- ? Widmerpool Formation } Dinantian

ORDOVICIAN

- Locally at surface { Mainly Stockingford Shale Group } Tremadoc
- Strata younger than Tremadoc?

? L. CAMBRIAN

- Locally at surface { Swithland Formation
- PRECAMBRIAN
- Charnian Supergroup

SUBCROP OF ORDOVICIAN
IGNEOUS INTRUSIONS

- Inferred subcrop below Mesozoic strata; locally at surface (M, E, CR)
 - Inferred subcrop beneath Carboniferous strata;
 - Limit of magnetic expression of intrusions
- } Based on magnetic gradients (see Figure 16)

OTHER DATA

- Major fault
- Axis of Charnwood anticline
- Generalized trend of Charnian cleavage
- 150 Structure contour on top of Lower Palaeozoic/Precambrian basement rocks, in metres below OD
- CH Borehole proving 'basement', showing depth in metres below OD

Figure 12 Pre-Triassic geology of the district, showing the subcrop of Carboniferous strata and of pre-Carboniferous 'basement' (modified from interpretations by N J P Smith and T C Pharaoh, BGS).

Igneous intrusions: CP Countesthorpe; CR Croft; E Enderby; M Mountsorrel Complex; MM Melton Mowbray Granodiorite; R Rempstone Granodiorite
 Boreholes: CH Crown Hills; CO Cottage Homes (Countesthorpe); HF Home Farm; KF Knighton Fields; KL Kirby Lane; LF Lodge Farm (Spinney Hills); LFE Leicester Forest East; TBW Thorpe By Water; WB Willow Brook