

- Davis Coal Member: outcrop shown in red, subcrop in black
- elevation of coal in feet relative to sea level (contour interval 100 feet)
- fault, downthrown side indicated (includes normal and unknown)
- reverse fault, upthrown side indicated
- datum points

Contouring in the Eagle Valley Syncline was done manually. The rest of the map was computer contoured using the program TINCONTOUR in the ARC-INFO GIS software on the Prime 9955, except where faulting was added. Contours were modified manually. Faults and outcrops were modified and adapted from Nelson and Krausse (1981), Nelson and Lumm (1986a-c), Smith (1957), and J. Treworgy (1981).

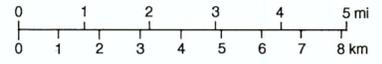


Plate 1
**Structure of the Davis Coal Member
in Gallatin and Saline Counties, Illinois**

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