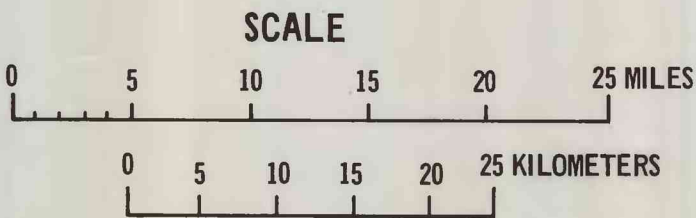


INDEX MAP: Showing distribution of structure contour horizons (See attached explanatory list). Heavy lines show systematic distribution of contoured horizons. Lower case b or t preceding stratigraphic symbol depicts base or top of contoured unit; not designated for coal beds.

Map shows regional structural fabric. It is designed for viewing as if it were a relief map of the area but the effect of shading is produced by the pattern of faults and structure contours drawn originally at much larger scale and photographically reduced. The surfaces so portrayed are structural not topographic. The map is modified from structural geology shown on 7 1/2 minute geologic quadrangle maps. Faults are shown by slightly heavier lines. Structure contours are drawn on various stratigraphic horizons (designated on the index map) at a contour interval of 20 feet (not contoured locally).

STRUCTURE CONTOURED HORIZONS SHOWN ON INDEX MAP

<u>Pennsylvanian</u>	
Pb	Breathitt Formation
Pbj	Jellico coal bed of Breathitt Formation
Pbbg	Blue Gem coal bed of Breathitt Formation
Pbrg	River Gem coal bed of Breathitt Formation
Pbmn	Manchester coal bed of Breathitt Formation
Pbly	Lily coal bed of Breathitt Formation
Pbbf	Barren Fork coal bed of Breathitt Formation
Pbbe	Beattyville coal bed of Breathitt Formation
Pbss	Unnamed sandstone member of Breathitt Formation
Pl	Lee Formation
Plc	Corbin Sandstone Member of Lee Formation
Plk	Sandstone member K of Lee Formation
Plcb	Olive Hill clay bed of Lee Formation
Plr	Rockcastle conglomerate member of Lee Formation
<u>Mississippian</u>	
Mgb	Big Clifty Sandstone Member of Golconda Formation
Mgc	Beech Creek Limestone Member of Golconda Formation
Msa	Sample Sandstone
Mha	Hartselle Formation
Mnk	Kidder Limestone Member of Monteagle Formation
Mn	Newman Limestone
Mnl	Crinoidal limestone member of Newman Limestone
Mng	Ste. Genevieve Limestone Member of Newman Limestone
Msl	St. Louis Limestone
Mglr	Lost River chert of St. Louis Limestone
Ms	Salem Limestone
Msw	Salem and Warsaw Formations
Mb	Borden Formation
Mbr	Renfro Member of Borden Formation
Mbrn	Renfro and Nada Members of Borden Formation
Mbm	Muldraugh Member of Borden Formation
Mbf	Farmers Member of Borden Formation
Mbh	Halls Gap Member of Borden Formation
Msu	Sunbury Shale
<u>Devonian</u>	
Dc	Chattanooga Shale
Dna	New Albany Shale
<u>Silurian</u>	
Slv	Louisville Limestone
Sw	Waldron Shale
Sl	Laurel Dolomite
Sb	Brassfield Formation
<u>Ordovician</u>	
Ods	Saluda Dolomite Member of Drakes Formation
Odr	Rowland Member of Drakes Formation
Ob	Bull Fork Formation
Obs	Sunset Member of Bull Fork Formation
Ogl	Grant Lake Limestone
Ogb	Bellevue tongue of Grant Lake Limestone
Of	Fairview Formation
Occ	Calloway Creek Limestone
Og	Garrard Siltstone
Ocf	Clays Ferry Formation
Ocft	Unnamed tongue of Clays Ferry Formation
Ocp	Point Pleasant tongue of Ferry Formation
Ol	Lexington Limestone
Olt	Tanglewood Limestone Member of Lexington Limestone
Oltu	Upper tongue of Tanglewood Limestone Member of Lexington Limestone
Olm	Millersburg Member of Lexington Limestone
Olg	Grier Limestone Member of Lexington Limestone
Ot	Tyrone Limestone



PRELIMINARY MAP SHOWING STRUCTURAL GEOLOGIC FABRIC OF CENTRAL KENTUCKY AND PART OF OHIO

By
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1978

U.S. Geological Survey
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This report is preliminary and has not been edited for conformity with Geological Survey standards or nomenclature.