This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

TECTONIC EVOLUTION IN CENTRAL AND EASTERN KENTUCKY

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Plate 1. Structurally interpreted image map of central Kentucky. Physiographic expression of the surface geology is shown here in shaded relief on an airborne-radar image mosaic (INTERA, 1984), and on Slide 1 where geologic units (McDowell and others, 1980) are shown in color. Geologic structure is illustrated by form contours drawn at 20- and 40-foot intervals on strata listed in Table 1. Hundred-foot index contours are extrapolated to key horizons identified on Plate 4. Lineaments are labelled where alinements of surface structures conform with traces of gravity and magnetic gradients (Figure 2, Plate 3), and these gradients conform in turn with seismically reflected faults that displace Precambrian basement and extend upward through part or all of the preserved Paleozoic sedimentary section (Plates 6 through 10).