

Table with 4 columns: SYSTEM, GROUP, FORMATION, MEMBER, ZONE, AND BED, LITHOLOGY, and METERS FEET. Lists geological units from the area north and west of Pine Mountain to the area along and south of Pine Mountain.

DESCRIPTION OF MAPPED UNITS: AREA NORTH AND WEST OF PINE MOUNTAIN. ALUMINUM—Silt, sand, clay, and gravel. SIL commonly sandy. Sandstone, clay, and gravel. Coarse, cross-bedded, quartz, sandstone, limestone, siltstone, and shale.

DESCRIPTION OF MAPPED UNITS: AREA ALONG AND SOUTH OF PINE MOUNTAIN. GRUNDY FORMATION—Shale, siltstone, sandstone, and coal. Unit mapped as part of the Breathitt Formation on most 7.5-minute quadrangle maps.

DESCRIPTION OF MAPPED UNITS: ECONOMIC GEOLOGY. LIMESTONE, SANDSTONE, SAND, AND CLAY. Limestone for construction aggregate and agricultural products is being quarried in Putask and Wayne Counties.

DESCRIPTION OF MAPPED UNITS: ECONOMIC GEOLOGY. COAL. The Corbin coalfield is one of the largest in the state. Several large coal beds were discovered in the Boone, Boone, Clinton, and Cumberland Counties.

DESCRIPTION OF MAPPED UNITS: ECONOMIC GEOLOGY. OIL AND GAS. The Corbin coalfield is one of the largest in the state. Several large coal beds were discovered in the Boone, Boone, Clinton, and Cumberland Counties.

DESCRIPTION OF MAPPED UNITS: ECONOMIC GEOLOGY. POTENTIAL AND ASSOCIATED ROCKS. Industrial minerals and associated rocks. The Corbin coalfield is one of the largest in the state.

DESCRIPTION OF MAPPED UNITS: ECONOMIC GEOLOGY. PETROLEUM AND NATURAL GAS. Petroleum and natural gas. The Corbin coalfield is one of the largest in the state.

DESCRIPTION OF MAPPED UNITS: ECONOMIC GEOLOGY. ENGINEERING GEOLOGY. Engineering geology. The Corbin coalfield is one of the largest in the state.

DESCRIPTION OF MAPPED UNITS: ECONOMIC GEOLOGY. KARST FEATURES AND HYDROLOGIC SETTING. Karst features and hydrologic setting. The Corbin coalfield is one of the largest in the state.

ACKNOWLEDGMENTS: This map was prepared by the Kentucky Geological Survey, University of Kentucky, Lexington.

DISCLAIMER: Although this map was prepared by the Kentucky Geological Survey, it is not a warranty, expressed or implied, by KGS regarding the accuracy of the data on which it is based.

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GEOLOGIC MAP OF THE CORBIN 30 x 60 MINUTE QUADRANGLE, SOUTH-CENTRAL KENTUCKY

Thomas N. Sparks, Warren H. Anderson, and Xin-Yue Yang

Cartography by Terry D. Houshall

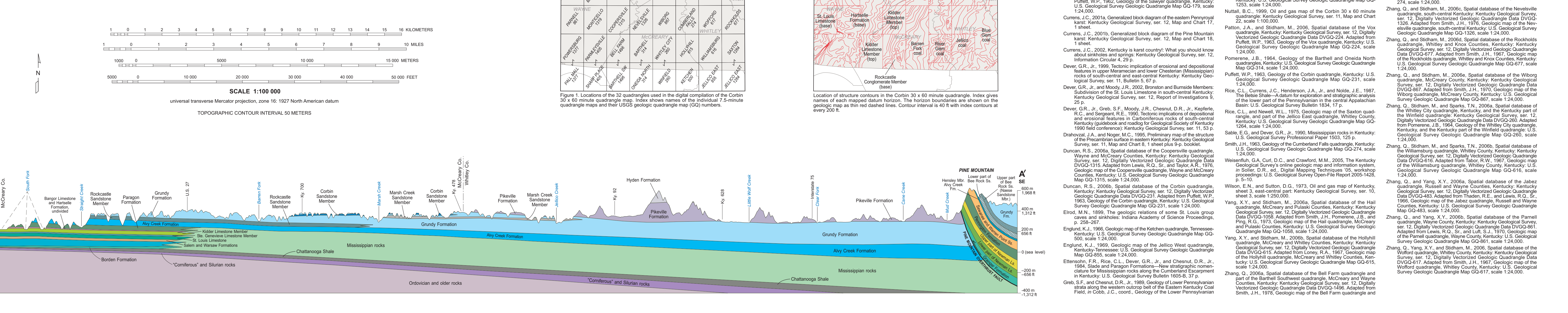


Table 1: Cumulative coal production (million tons) by county and mining method (1927-2009). Columns: County, Undermined, Underground, Surface, Total. Rows: Wayne, Boone, Madison, Boyle, Taylor, Whitley, Total.

Table 2: Coal production and remaining reserves for major counties in the Corbin 30 x 60 minute quadrangle, Southwestern District. Columns: County, Original, Mined and Lost, Remaining Reserves. Rows: Wayne, Boone, Madison, Boyle, Taylor, Whitley, Total.

Source: Kentucky Geological Survey coal production database, kgs.uky.edu/kgsurvey/coalproduction. Coal production data increased 100% from 1927 to 2009.

Source: Kentucky Coal Industry Manual (2003). Industrial minerals and associated rocks. The Corbin coalfield is one of the largest in the state.

Source: Kentucky Coal Industry Manual (2003). Petroleum and natural gas. The Corbin coalfield is one of the largest in the state.

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