



EXPLANATION

Outcrop of coal bed
Dashed where approximately located, dotted where concealed

Fault
Dashed where approximately located, dotted where concealed. U, upthrown side; D, downthrown side. Arrows show relative horizontal movement of cross fault

Thrust fault
Dashed where approximately located, dotted where concealed. T, on upper plate

Thickness line
Dashed where inferred. Thickness interval 7 inches

28-42
14-28
<14

Estimated thickness of coal, in inches, underlying area

Area where data are insufficient to infer reserves

Area of distorted coal (excluded from reserve estimate)

Mined areas
Solid where accurately outlined; dashed where approximately outlined

Strip mine P

Control points on coal bed
Number refers to location of graphic section on plate 8

Core hole

**THICKNESS MAP OF THE BLUE GEM-RICH MOUNTAIN COAL BED
IN THE ELK VALLEY AREA, TENNESSEE AND KENTUCKY**

Base from U.S. Geological Survey and Tennessee Valley Authority, 1:24 000 quadrangles

