



OF THE META, KY. QUADRANGLE
by
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U.S. Geological Survey
OPEN FILE MAP 82-51 (E-13)

Photointerpretation and field check 1978,9
This report is preliminary and has not
been reviewed for conformity with U. S.
Geological Survey editorial standards.
Data on location of strip mines in part from:
Wolcott, Don E. and Jenkins, Evan C., 1966,
Geologic map of the Meta quadrangle, Pike County,
Kentucky: U. S. Geological Survey Geologic
Quadrangle Map GQ-497, scale 1:24,000.

 AREAS SUSCEPTIBLE TO DEBRIS FLOWS AND DEBRIS
 AVALANCHES

Primarily shallow, narrow ravines and chutes with accumulation of stony colluvium generally 10 ft. (3 m) or less in thickness; susceptible to rapid movement during intense rainfall. Most ravines and chutes designated show evidence of former debris flows and avalanches. Symbol  designates historical debris flow or debris avalanche.

 SOIL AND ROCK SUSCEPTIBLE TO LANDSLIDING

Soil and rock similar to that involved in landslides elsewhere in map area; primarily areas underlain by claystone, mudstone and shale associated with other rock types. Rock weathers rapidly on exposure forming clayey soil highly susceptible to sliding. Includes cones (U-shaped), shallow valleys and other features. Rock layers of clayey soil that are very susceptible to sliding where excavation breaks continuity of slope and where overloaded by artificial fill.

The first four digits of the open file number designate the specific 1:250,000 scale map sheet of which this quadrangle is a part. The last two digits designate the position of the quadrangle in a subdivision of the 1:250,000 scale map based on rows and tiers shown in the diagram to the right. The location of this quadrangle is shown by the black square.

MAN-MADE FEATURES

Strip mines (combination of letter symbols indicates complex formed of more than one type of strip mine)

sh	bench with high wall
sf	furrowed with high wall
sd	multiple furrows and multiple benches
ss	hilltop removed
srg	reclaimed by grading
sr	reclaimed by secondary use
sh/r	regraded in part, high wall remains

Coal refuse banks

r	identified on aerial photographs; not classified in field check
rb	not burnt nor on fire
rbb	burnt
rbd	burning
rbs	sludge

Quarries

q	quarry site
qub	spoil bank, quarry waste

Gravel pits

g	site of gravel pit
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Slides in man-made features

af	earth flow in fill
a/s	earth flow in strip castings
a/r	earth flow in coal refuse

JENKINS 1"x2" SHEET

