

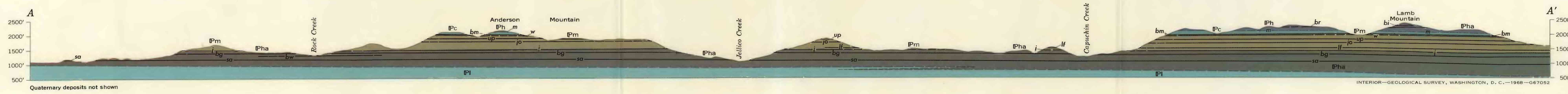
EXPLANATION

Qal	Alluvium	QUATERNARY
Qc	Colluvium	
bi, br, m	Higrite Formation bi, Big Wheel coal bed br, Braden Mountain coal bed m, base of Missuffin Beds of Morse (1911)	PENNSYLVANIAN CARBONIFEROUS
bm, w	Catron Formation bm, Big Mary coal bed w, Windrock coal bed	
up, jo, eg, lf	Mingo Formation up, Upper Pioneer coal bed jo, Jordan coal bed eg, Elk Gap coal bed lf, Lick Fork coal bed l, Jellico coal bed	
bg, bw, so	Hance Formation bg, Blue Gem coal bed bw, Black Wax coal bed so, Swamp Angel coal bed	
l	Lee Formation Shown in section only	

- Contact
Dashed where approximately located
- Coal bed
Dashed where approximately located; dotted where concealed
- Syncline
Showing position of troughline
- Structure contours
1200
1220
- Mine adit
Number refers to location of graphic section on plate 8
- Prospect or outcrop of coal bed
Number refers to location of graphic section on plate 8
- Strip mine
- Area completely stripped

Base by U.S. Geological Survey, 1953
SCALE 1:24 000
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

Geology by K. J. Englund, 1957-58
Modified from previously printed GQ-500



GEOLOGIC MAP AND SECTION OF THE KETCHEN QUADRANGLE, TENNESSEE AND KENTUCKY