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## Cross Section of the Upper Elkhorn Coal Zone Between the Varney and Lick Creek Quadrangles

Bradford L. Lockett  
*University of Kentucky*

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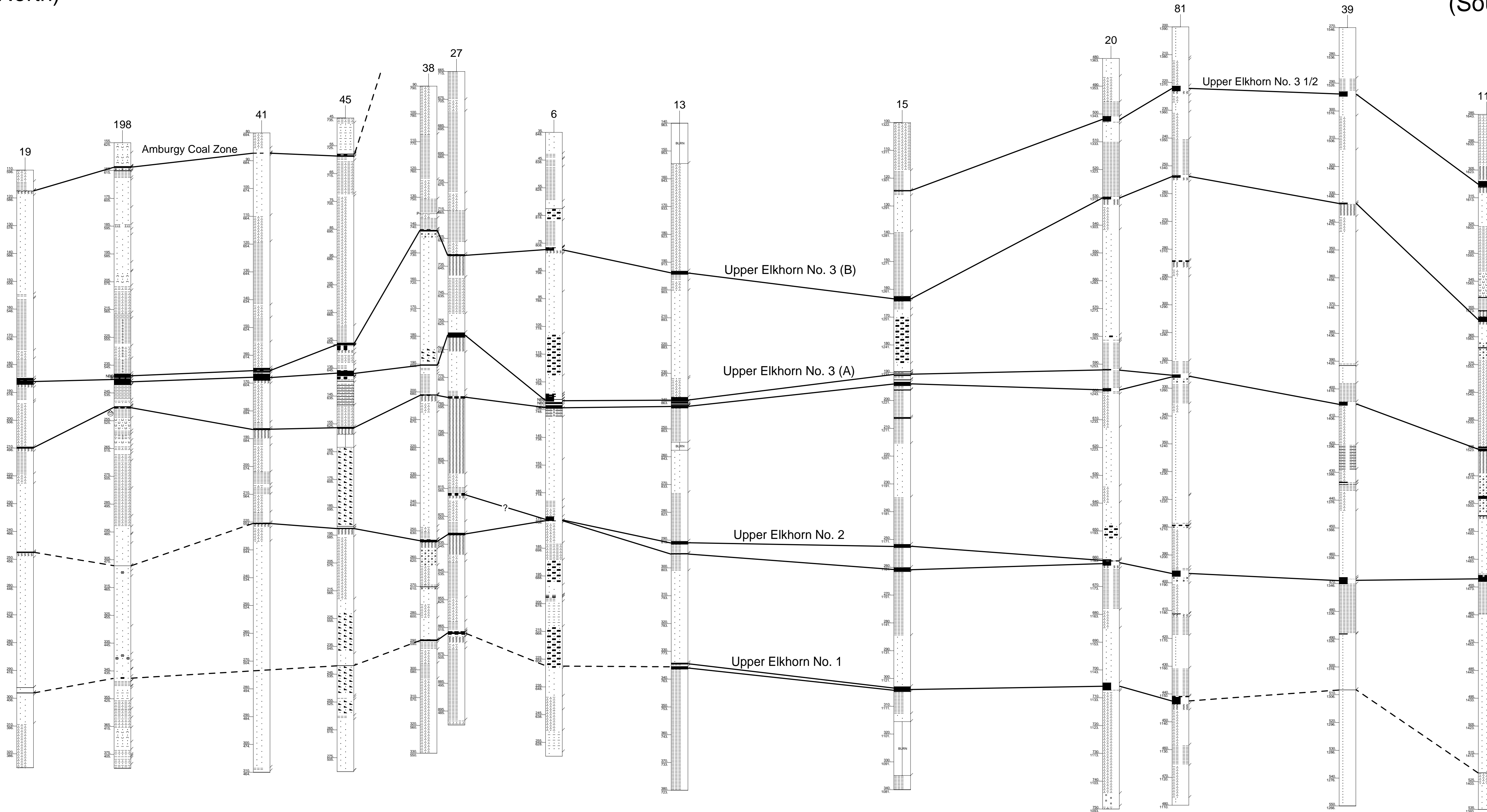
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# Cross Section of the Upper Elkhorn Coal Zone between the Varney and Lick Creek Quadrangles

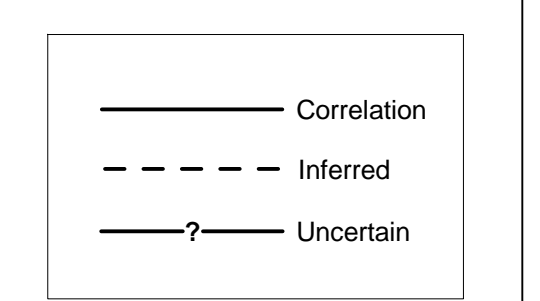
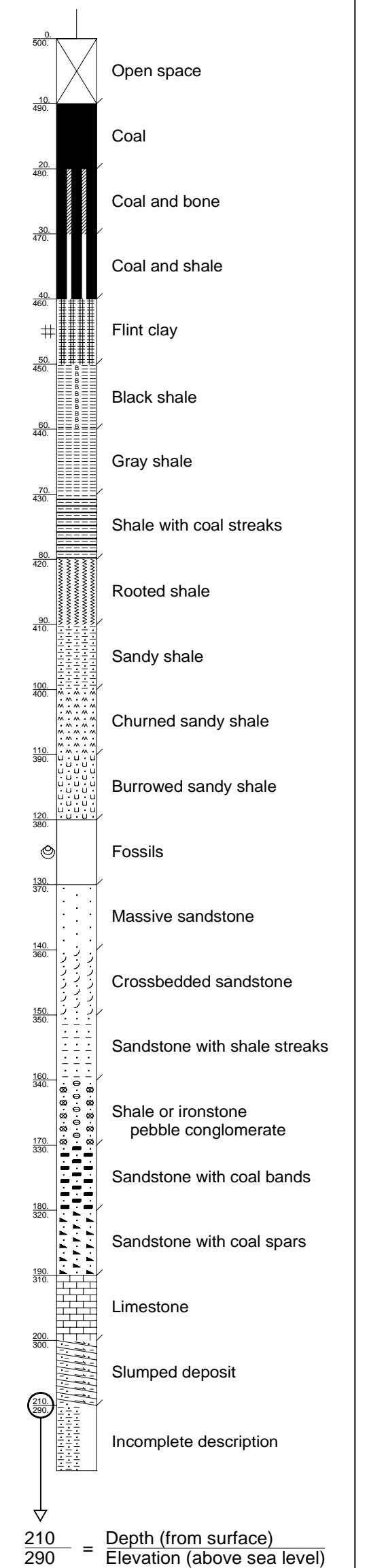
Bradford L. Lockett

**B**  
(North)

**B'**  
(South)



## Explanation



## Major Coal Zones in Eastern Kentucky

Middle Pennsylvanian	Breathitt Group	Richardson Fm.
		Tiptop
		Princass Fm.
		Stoney Fork Member
		Four Corners Fm.
	Pikeville Fm.	Hindman
		Francis
		Hazard No. 7
		Hazard
		Magoffin Member
Lower Penn.	Taylor	
	Hamlin	
	Firesclay	
	Whitesburg	
	Kendrick Shale Member	
Lower Penn.	Amburgy	
	Upper Elkhorn No. 3	
	Upper Elkhorn Nos. 1, 2	
	Lower Elkhorn	
	Betsie Shale Member	
Lower Penn.	Grundy Fm.	
	Manchester	
	Mason/Giamorgan	
	Hagy	
	Clear Fork Naese	

Interval in this Cross Section Highlighted in Gray

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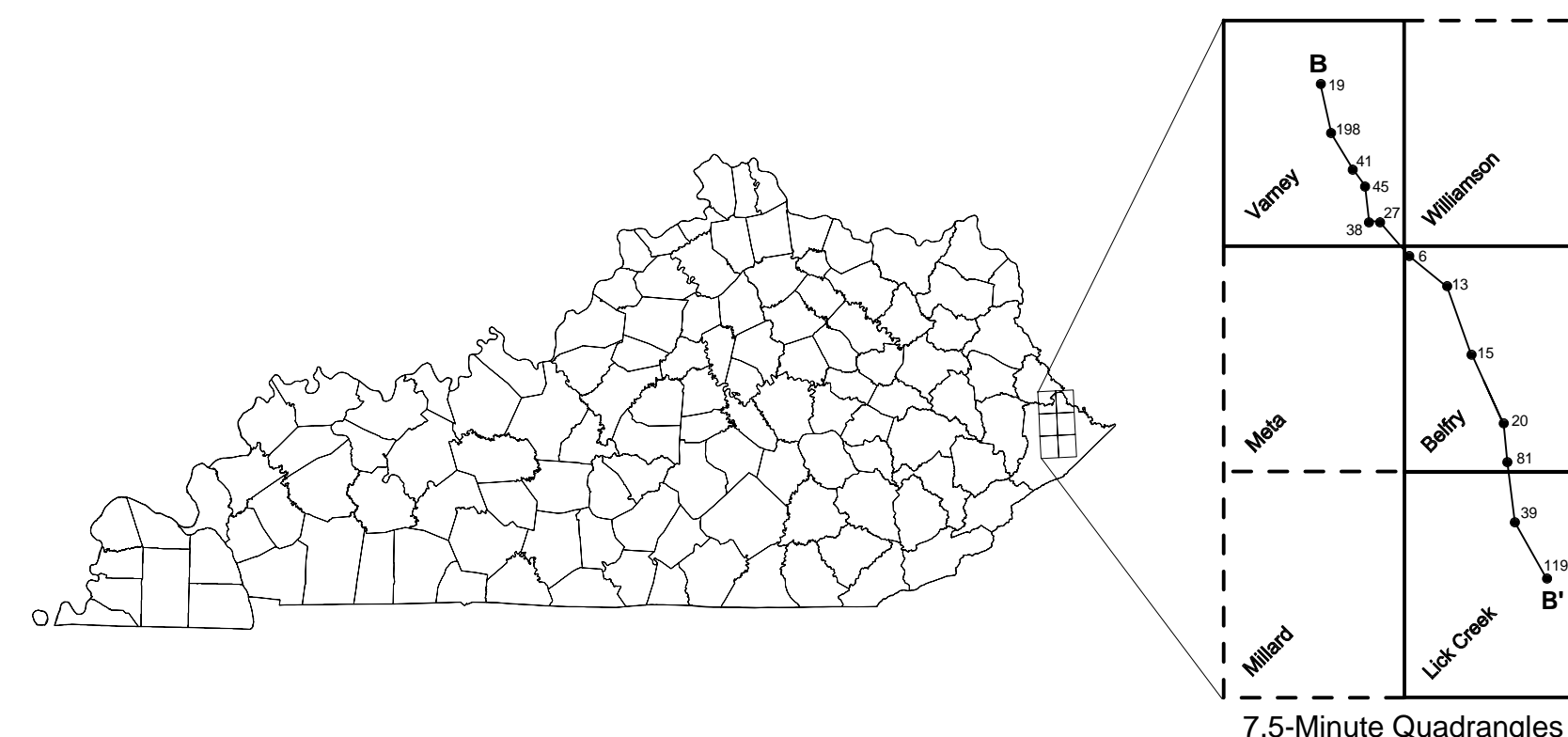
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This cross section shows lithic variation and coal-bed correlations for the interval between the Upper Elkhorn No. 1 and the Upper Elkhorn No. 3 1/2 coals from southern Martin County to central Pike County. It is one of a series being made to document the characteristics of the Upper Elkhorn coal zone in eastern Kentucky. The data are derived from the KGS coal borehole database, which contains records of exploration core holes supplied by coal companies. Lines on the diagram show general bed correlations and indicate places where mineable coal beds split into two or more thinner benches. The vertical alignment of logs is best fit to minimize structural and interval thickness variation along the line of section.

Coal-bed correlations shown on this cross section were determined by making comparisons to surrounding data in the region, and are based on the best-available data at KGS. Correlations in the KGS borehole database undergo frequent revision, and may not reflect the interpretations on this illustration. Coal-bed names are those used by KGS for regional correlation and may differ from local names.

This chart can be accessed from the KGS online list of publications at [kgsweb.uky.edu/main.asp](http://kgsweb.uky.edu/main.asp). The KGS borehole database can be searched at [kgsweb.uky.edu/DataSearching/coalsearch.asp](http://kgsweb.uky.edu/DataSearching/coalsearch.asp).

