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# Cross Section of the Upper Elkhorn Coal Zone Between the Evarts and Benham Quadrangles

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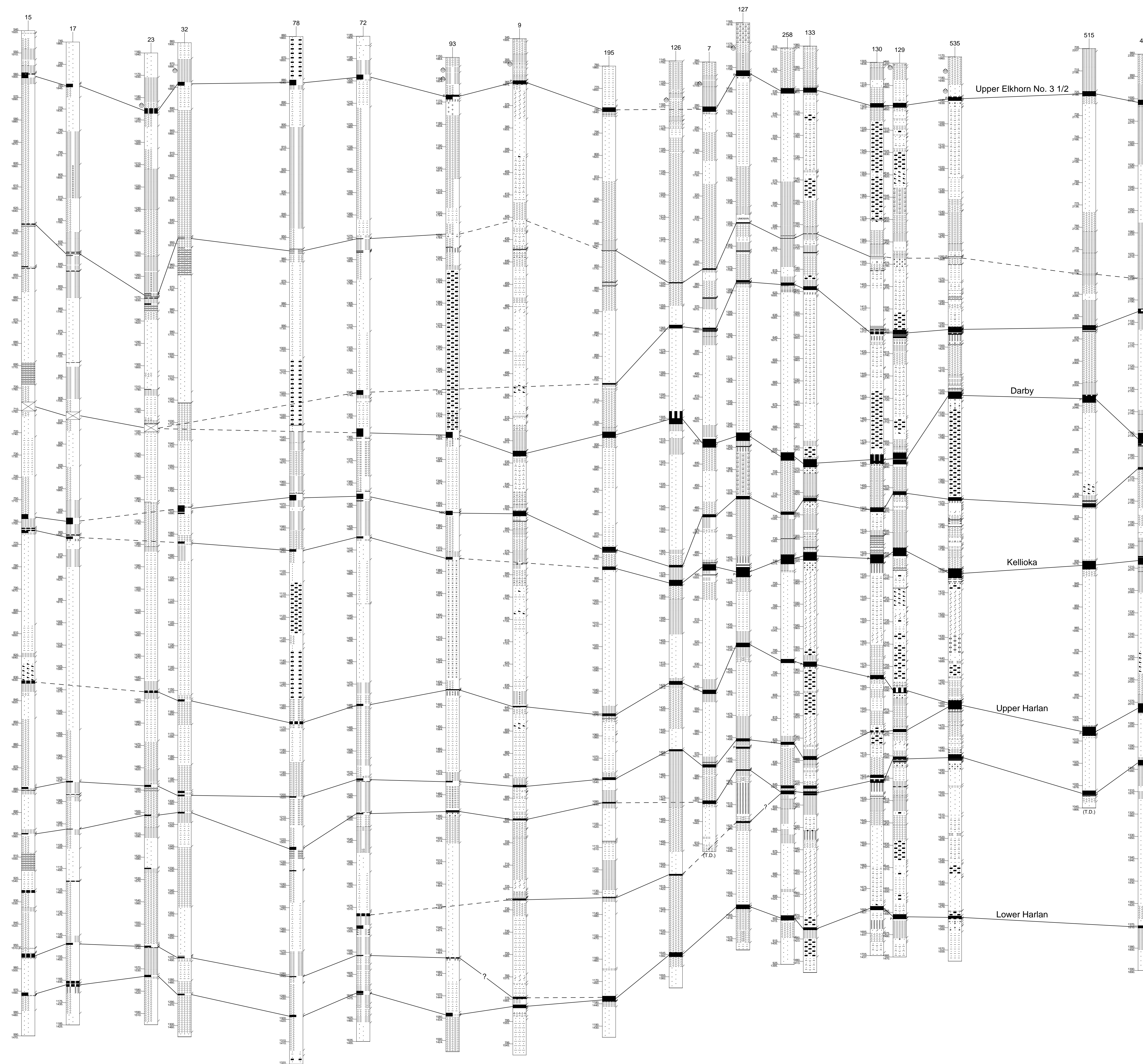
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Bradford L. Lockett

**C**  
(West)

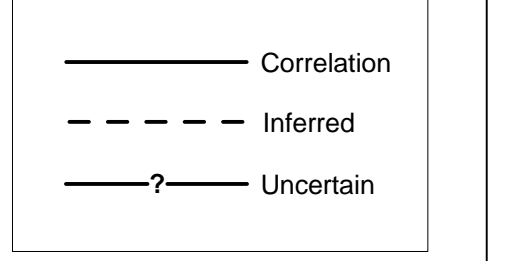
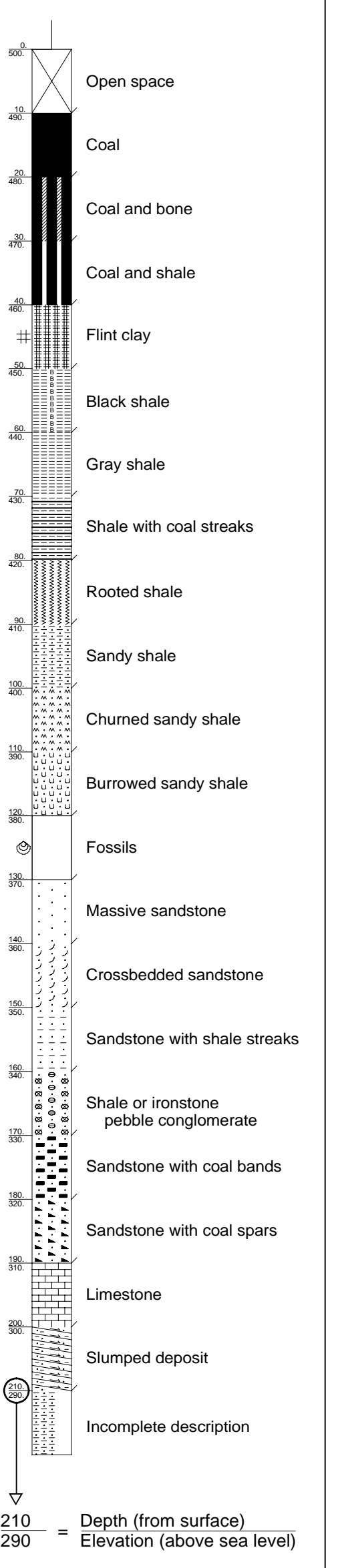
**C'**  
(East)



Upper Elkhorn No. 3 Zone

Upper Elkhorn No. 1 & 2 Zone

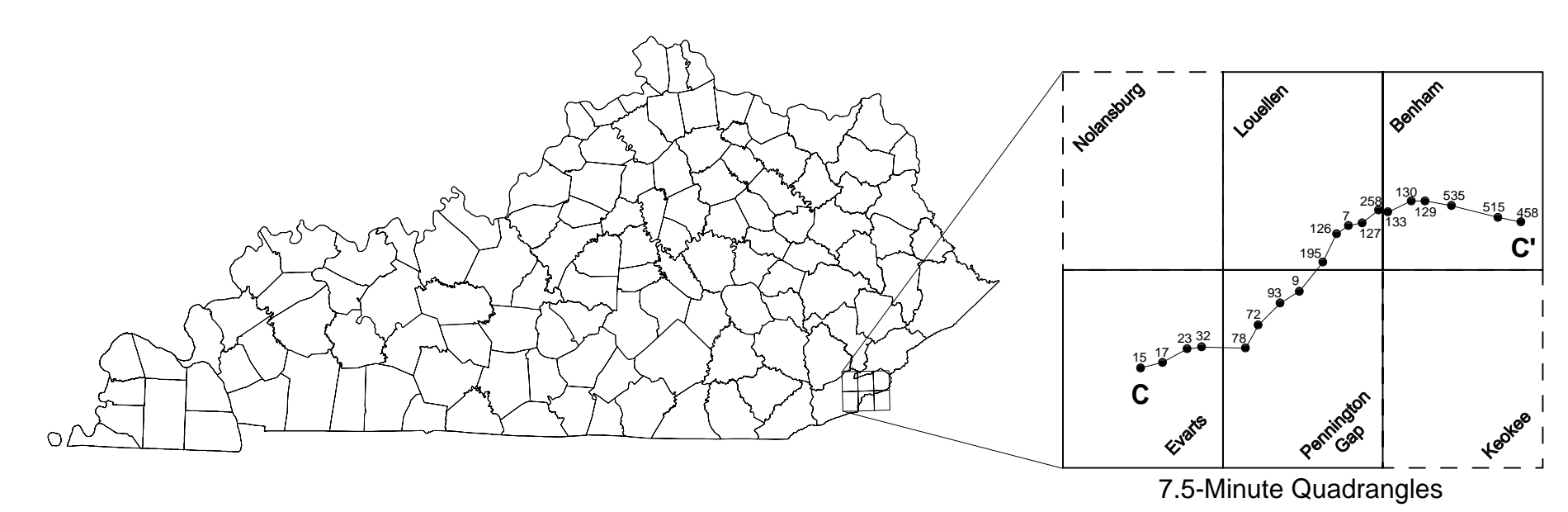
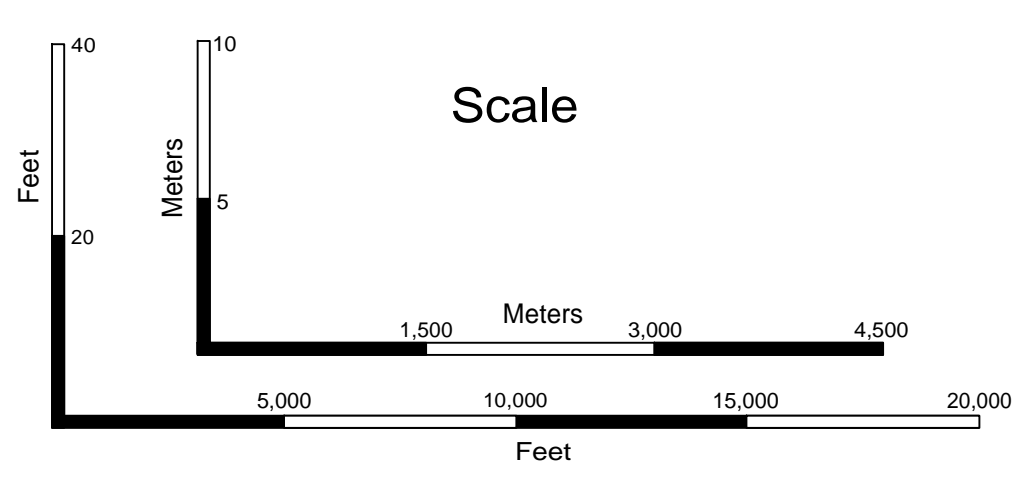
## Explanation



**Major Coal Zones in Eastern Kentucky**

Middle Pennsylvanian	Breathitt Group	Richardson Fm.
		Tip-top
		Stoney Fork Member
	Four Corners Fm.	Hindman
		Francis
		Hazard No. 7
		Hazard
	Pheasant Fm.	Magoffin Member
		Taylor
		Hamlin
Lower Penn.	Hyden Fm.	
	Finley	
	Whitesburg	
Lower Penn.	Kendrick Shale Member	Ambury
		Upper Elkhorn No. 3
	Gandy Fm.	Upper Elkhorn Nos. 1, 2
		Lower Elkhorn
		Betsie Shale Member
Lower Penn.	Gandy Fm.	Manchester
		Mason/Glamorgan
		Hagy
		Clear Fork
		Naesee

*Interval in this Cross Section Highlighted in Gray*



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This cross section shows lithic variation and coal-bed correlations for the interval between the Upper Elkhorn No. 1 (Harlan) and the Upper Elkhorn No. 3 1/2 coals in Harlan County, Ky. 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 in the local area and are shown in relation to regional horizon 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).