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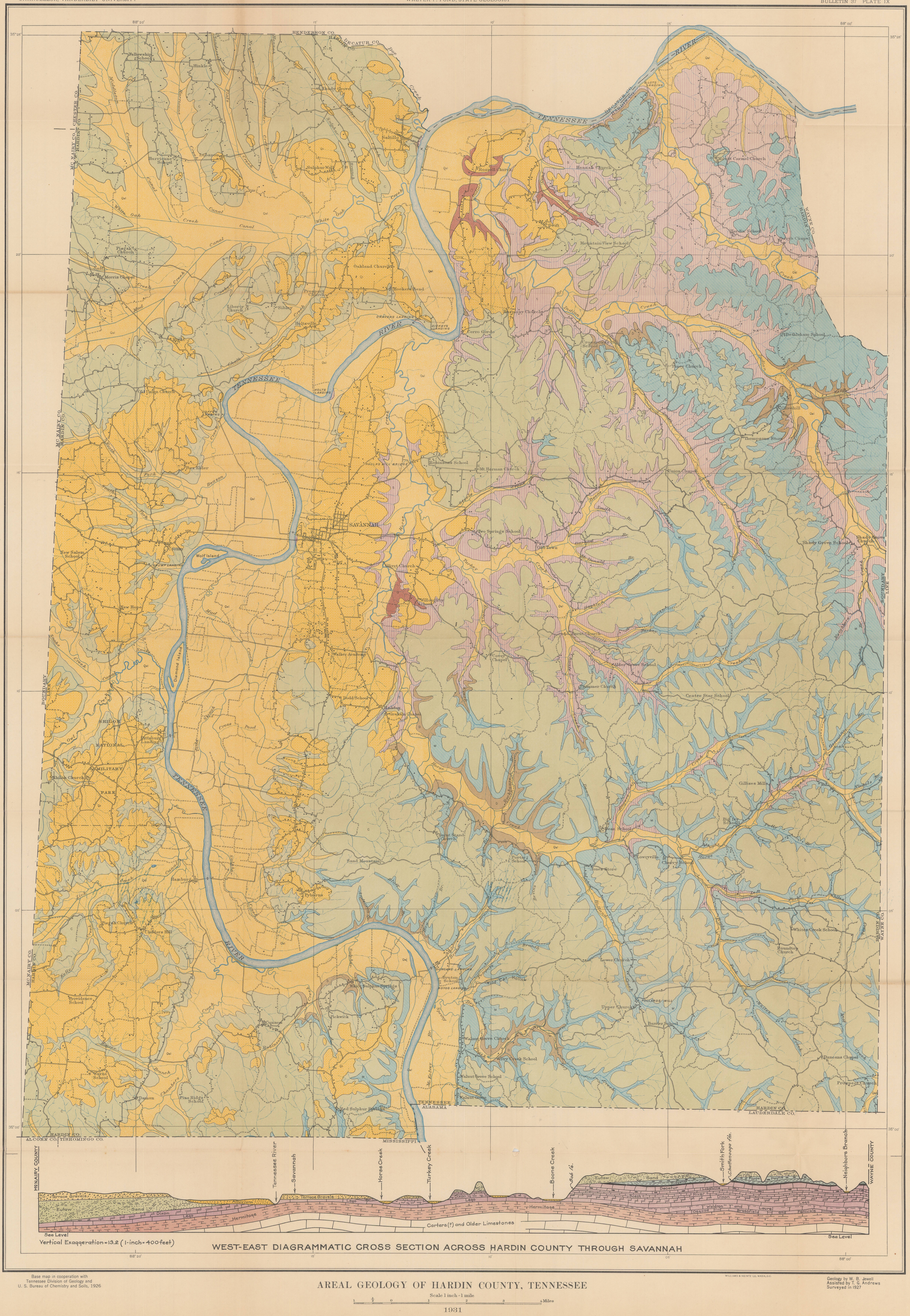
DEPARTMENT OF EDUCATION
DIVISION OF GEOLOGY
WALTER F. POND, STATE GEOLOGIST

HARDIN COUNTY COURT
L. L. HARBERT, JUDGE
BULLETIN 37 PLATE IX



LEGEND
SEDIMENTARY ROCKS

Qal	Alluvium	QUATERNARY	
Qt	Terrace gravels		
	UNCONFORMITY	CRETACEOUS (Upper Cretaceous)	
C	Selma clay Eutaw formation Coffee sand phase Tombigbee sand phase Tuscaloosa gravel		
	UNCONFORMITY	MISSISSIPPIAN	
	Warsaw limestone Fort Payne chert		
	UNCONFORMITY		
M	Ridgetop shale		
	UNCONFORMITY		
	Chattanooga formation Maury glauconitic member Black shale member Hardin sandstone member		
	UNCONFORMITY	DEVONIAN	
	Harriman chert	(Lower Devonian)	
	UNCONFORMITY		
	Quall limestone		
	UNCONFORMITY		
D	Decaturville chert		
	UNCONFORMITY		
	Birdsong shale		
	UNCONFORMITY		
	Olive Hill formation Flat Gap limestone Bear Branch Is. (and, or) Pyburn Is. Ross limestone Rockhouse shale		
	UNCONFORMITY	SILURIAN (Middle Silurian)	
	Decatur limestone Brownsport formation Lobelville limestone Bob limestone Beech River limestone and shale Wayne formation Dixon limestone Lego limestone		
S	*UNCONFORMITY (Local around Savannah)*		
	Waldron shale Laurel limestone Osgood limestone Brassfield limestone		
	UNCONFORMITY	ORDOVICIAN (Mid. Ordovician Ord. (Lower Sil.)	
O	Fernvale limestone		
	UNCONFORMITY		
	Hermitage limestone and shale		

Vertical Exaggeration = 13.2 (1-inch = 400 feet)

WEST-EAST DIAGRAMMATIC CROSS SECTION ACROSS HARDIN COUNTY THROUGH SAVANNAH

Base map in cooperation with
Tennessee Division of Geology and
U. S. Bureau of Chemistry and Soils, 1926

AREAL GEOLOGY OF HARDIN COUNTY, TENNESSEE

Scale 1 inch = 1 mile

1 ½ 0 1 2 3 4 Miles

1931

WILLIAMS & HEINTZ CO. WASH. D.C.

Geology by W. B. Jewell
Assisted by T. G. Andrews
Surveyed in 1927