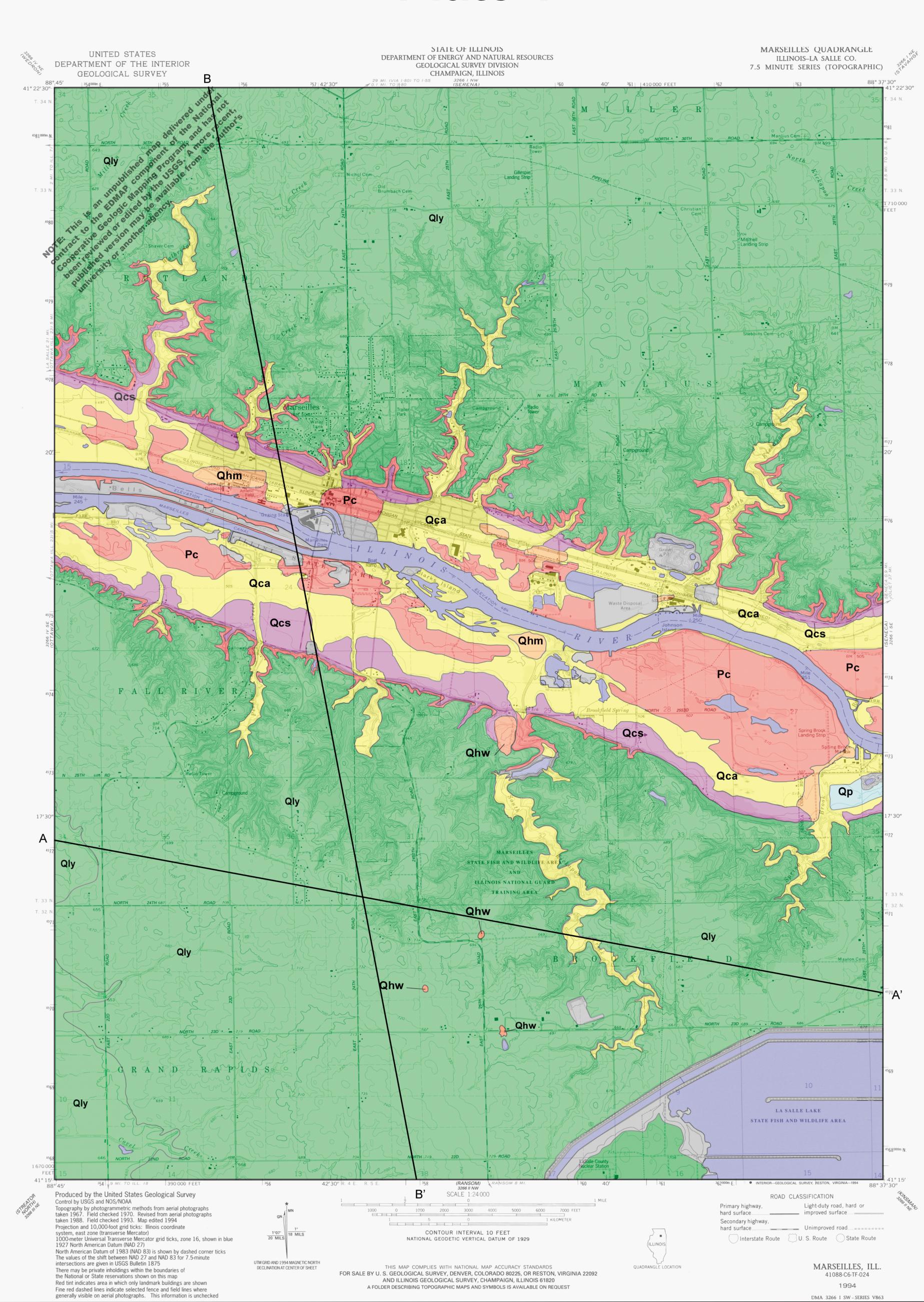
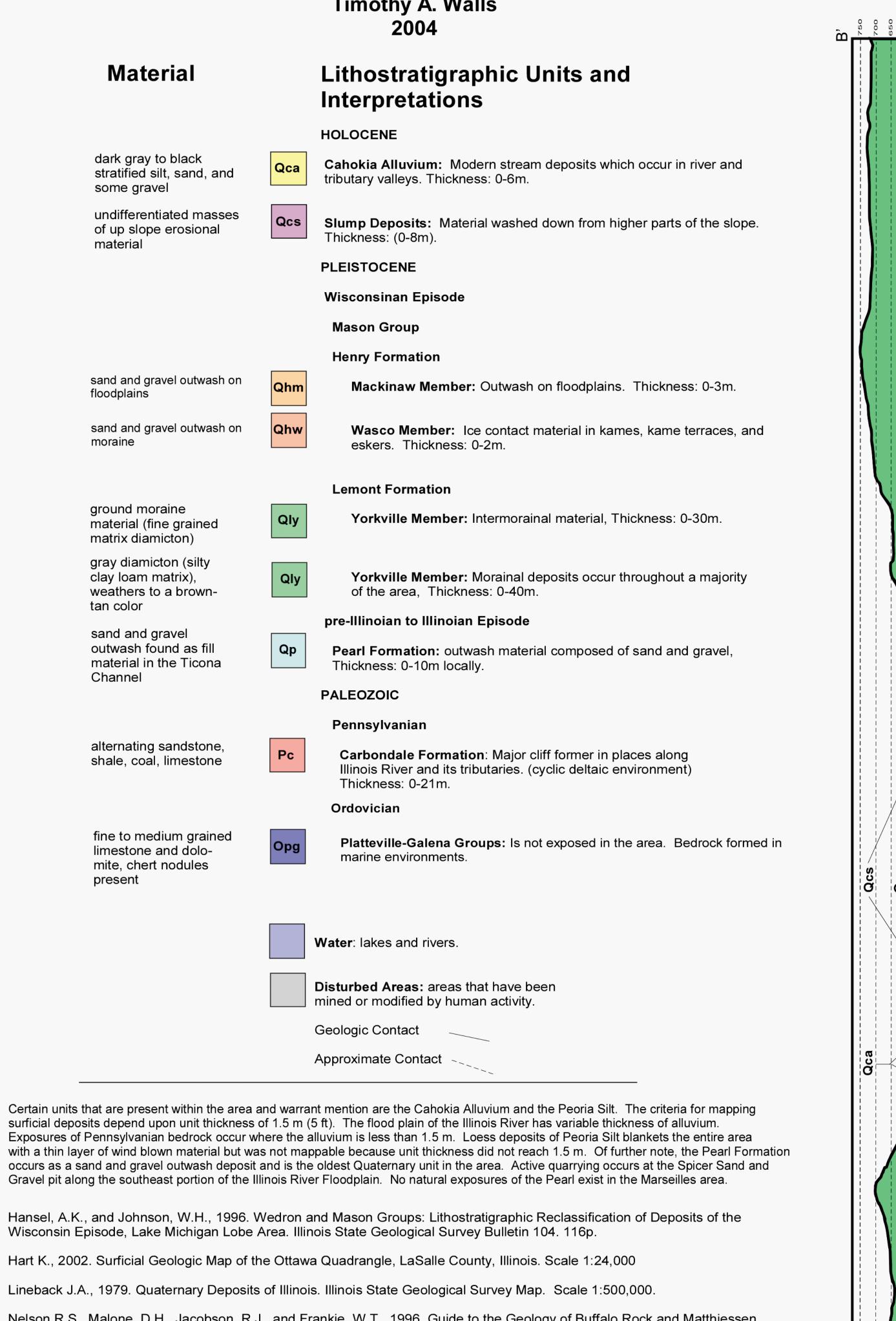
## Plate 1



## Surficial Geologic Map Marseilles Quadrangle, LaSalle County Illinois Timothy A. Walls



Certain units that are present within the area and warrant mention are the Cahokia Alluvium and the Peoria Silt. The criteria for mapping surficial deposits depend upon unit thickness of 1.5 m (5 ft). The flood plain of the Illinois River has variable thickness of alluvium. Exposures of Pennsylvanian bedrock occur where the alluvium is less than 1.5 m. Loess deposits of Peoria Silt blankets the entire area with a thin layer of wind blown material but was not mappable because unit thickness did not reach 1.5 m. Of further note, the Pearl Formation occurs as a sand and gravel outwash deposit and is the oldest Quaternary unit in the area. Active quarrying occurs at the Spicer Sand and

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