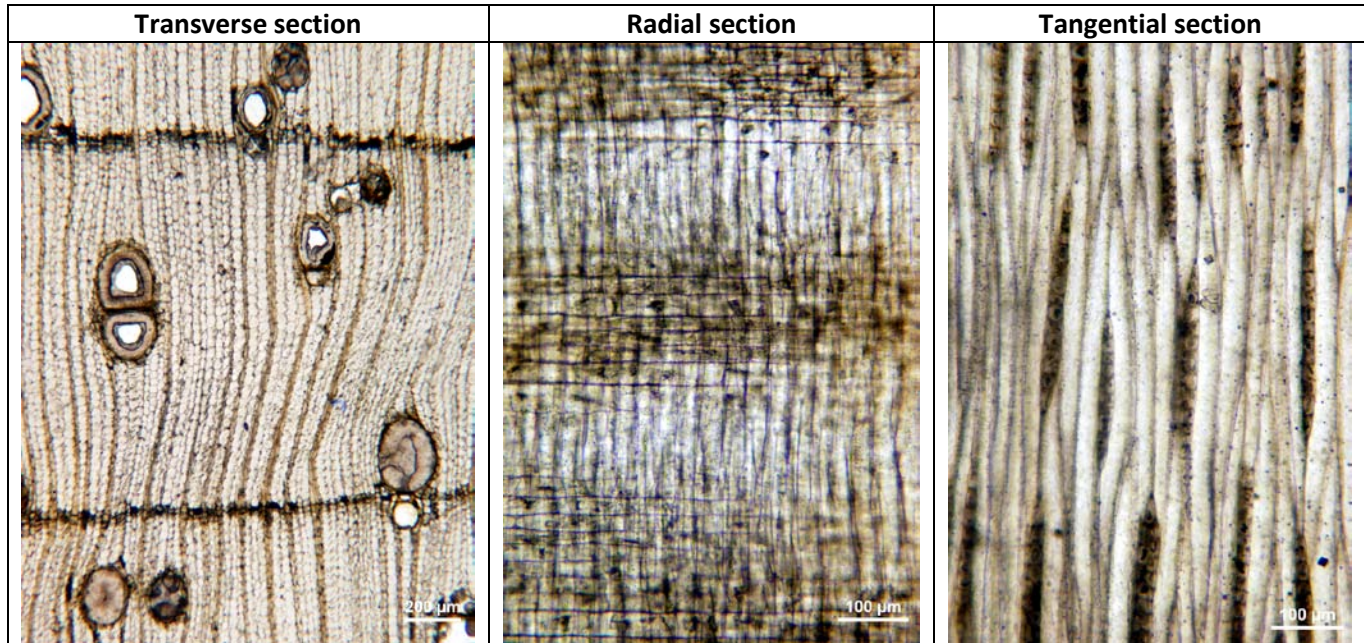


Unknown hardwood 3

Family: Unknown

Reference: Wheeler, E.A. & T.A. Dillhoff. 2009. The Middle Miocene wood flora of Vantage, Washington, USA. IAWA Journal, Supplement 7. 101p.



Photos courtesy Dr. E.A. Wheeler

Diagnostic features: Growth rings present, diffuse porous vessel arrangement. Vessels sparse, solitary and in radial multiples of 2-3. Perforation plates simple. Rays 1-2 seriate (mostly uniseriate), homocellular. Rays can appear irregularly storied in tangential section. Axial parenchyma marginal and scanty paratracheal to vasicentric.

Discussion: This type is represented by a single specimen from Vantage. It is problematic, in that the anatomical features of this wood do not match well with any extant family. If additional specimens can be found, they may help to clarify the relationship of this type with respect to modern woods. Note that some of the vessels in the transverse section photo have a thick rind around the outer diameter. This is a mineral infilling that occurred during the fossilization process and is not an anatomical feature.