

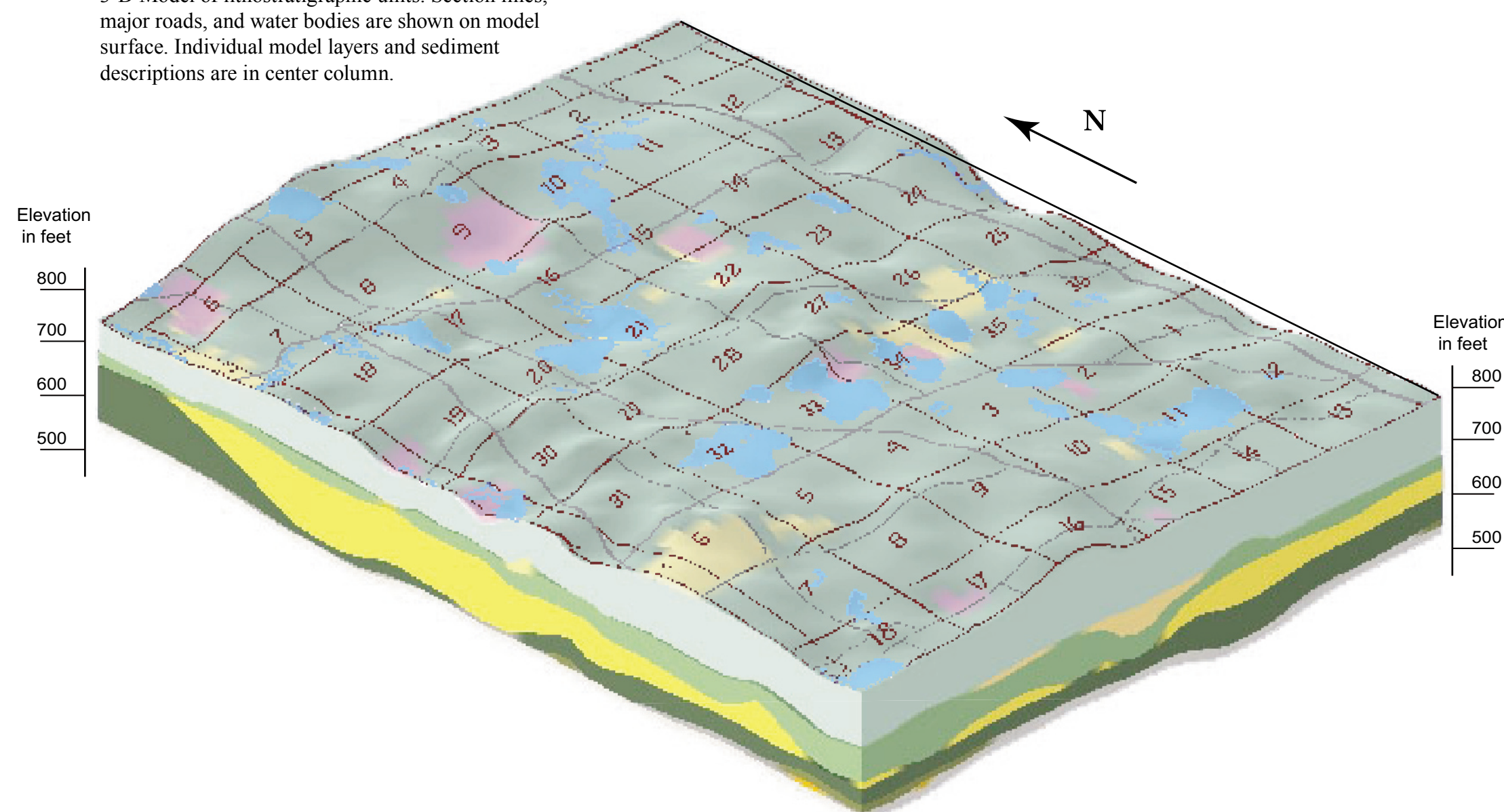
Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
William W. Shotts, Chief

THREE-DIMENSIONAL MODEL: SURFICIAL GEOLOGY OF ANTIOCH QUADRANGLE LAKE COUNTY, ILLINOIS AND KENOSHA COUNTY, WISCONSIN

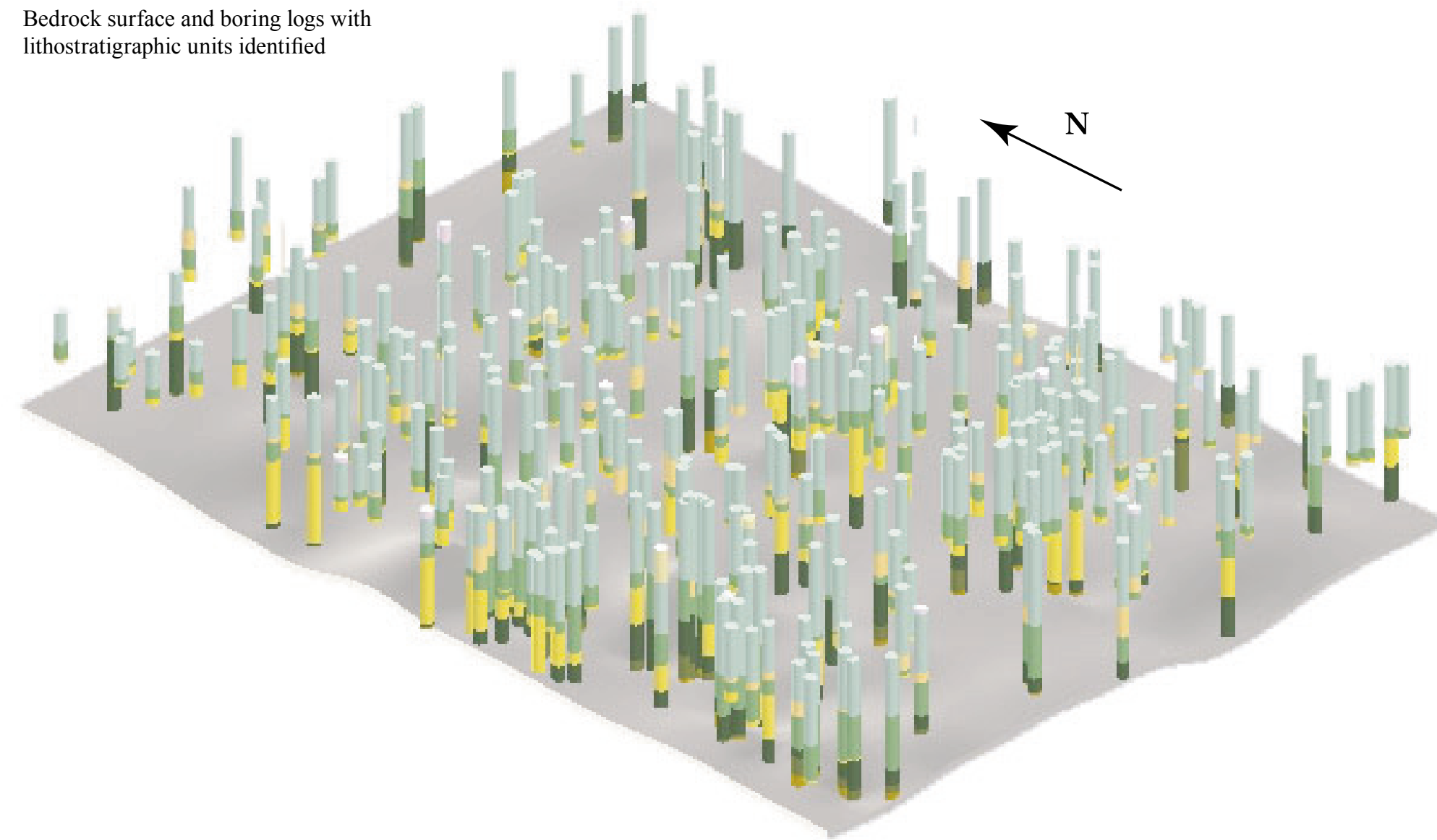
Ardith K. Hansel
2005

Illinois Preliminary Geologic Map
IPGM Antioch-3D

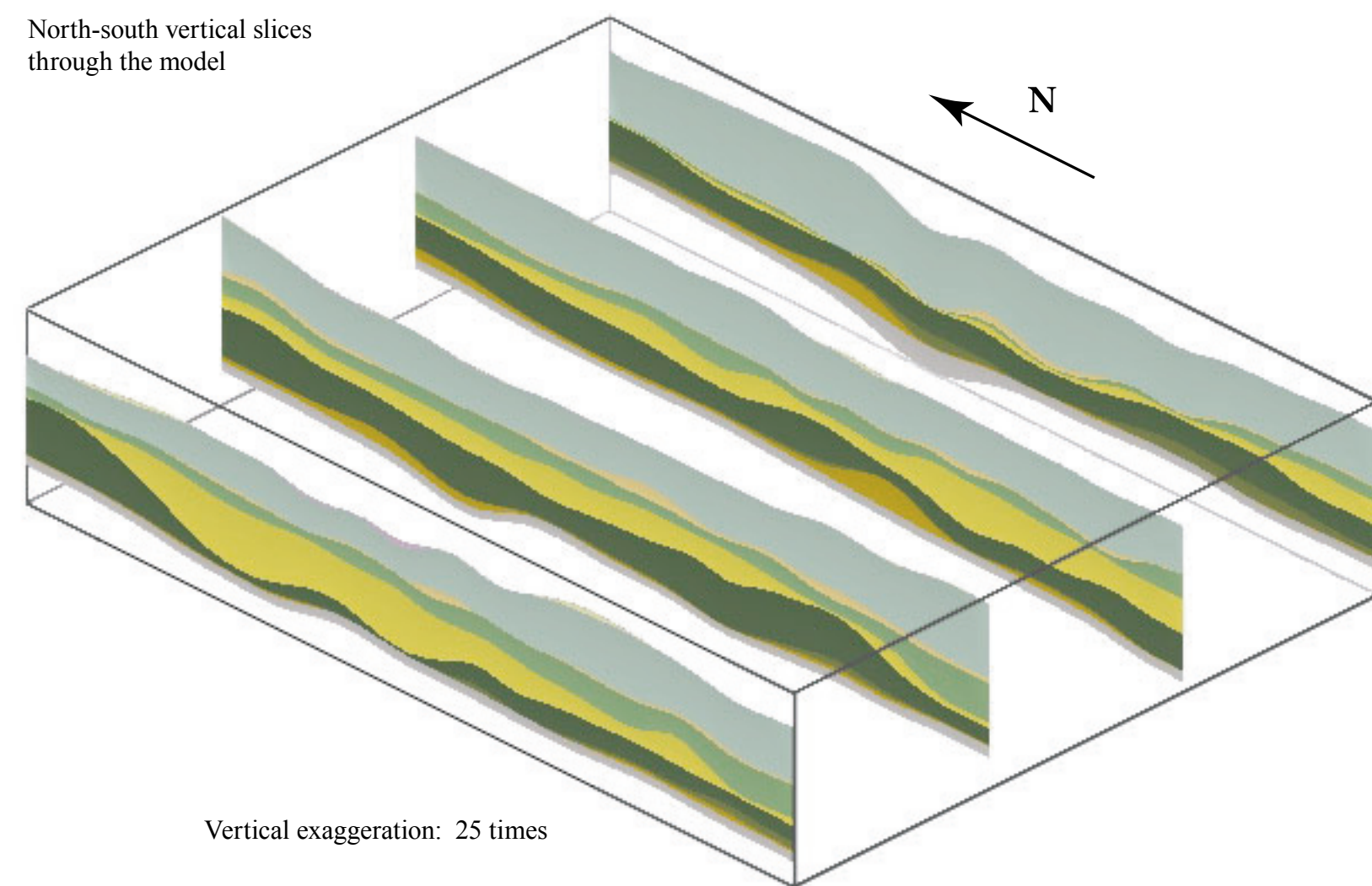
3-D Model of lithostratigraphic units. Section lines, major roads, and water bodies are shown on model surface. Individual model layers and sediment descriptions are in center column.



Bedrock surface and boring logs with lithostratigraphic units identified

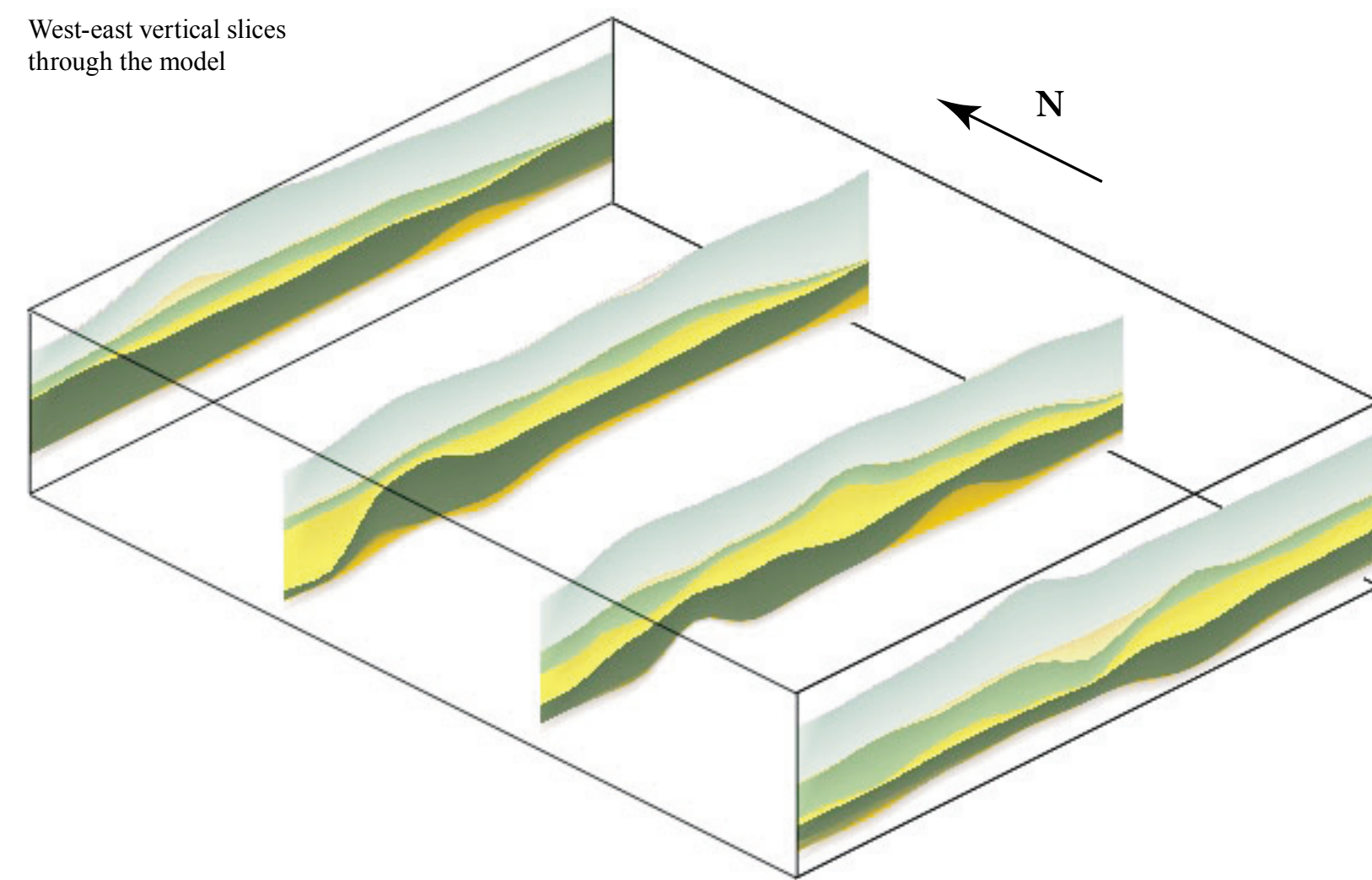


North-south vertical slices through the model



Vertical exaggeration: 25 times

West-east vertical slices through the model



Recommended citation:
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Upper tongues, Equality Formation (lavender) and Henry Formation (pale yellow) massive to laminated silt and clay (lake deposits) and stratified sand and gravel (glaciofluvial deposits), respectively

Wadsworth Formation gray silty clay to silty clay loam diamicton including lenses and tongues of massive to laminated silt and clay and stratified sand and gravel (till, lake and glaciofluvial sediment, flow deposits)

Unnamed tongue, Henry Formation stratified sand and gravel (proglacial fluvial deposits)

Haeger Member, Lemont Formation sandy loam to silty loam diamicton containing beds of sorted sediment (till and ice-marginal deposits)

Beverly Tongue, Henry Formation sand and gravel (proglacial fluvial deposits)

Tiskilwa Formation red-gray clay loam to loam diamicton containing beds of sorted sediment (till and ice-marginal deposits)

Older drift gray silty diamicton, generally containing abundant dolomite gravel; and/or fine-grained stratified sediment (dark green), stratified sand and gravel, and bedrock rubble (brown) (till, lake, and fluvial deposits)

Bedrock generally, Silurian dolomite