EXPLANATION FOR GEOLOGIC MAP AND CROSS SECTION

QUATERNARY

Qal — **Alluvium**. Unconsolidated silt, sand, and gravel containing clasts of local bedrock.

MISSISSIPPIAN AND PENNSYLVANIAN

IPMpwf — **Parkwood Formation and Floyd Shale undifferentiated.** Dark-gray shale containing interbedded greenish-gray lithic sandstone and rare dark-gray argillaceous limestone.

MISSISSIPPIAN

Mfpm — **Fort Payne Chert and Maury Formation undifferentiated.** Thin-bedded, medium-dark-gray limestone and dark-bluish-gray chert weathering to grayish-orange chert (Fort Payne). Pale-olive and grayish-red-purple mudstone locally containing discoid phosphatic concretions (Maury).

CAMBRIAN AND ORDOVICIAN KNOX GROUP

Oku — **Knox Group upper part.** Medium- to dark-gray stylonodular or mottled limestone and light- to medium-gray dolomite.

OCkl — **Knox Group lower part.** Light- to medium-gray dolomite and medium- to dark-gray, finely crystalline limestone locally containing interbeds of light-gray sandstone; weathers to light- to dark-gray chert residuum commonly preserving textures of carbonate rocks.

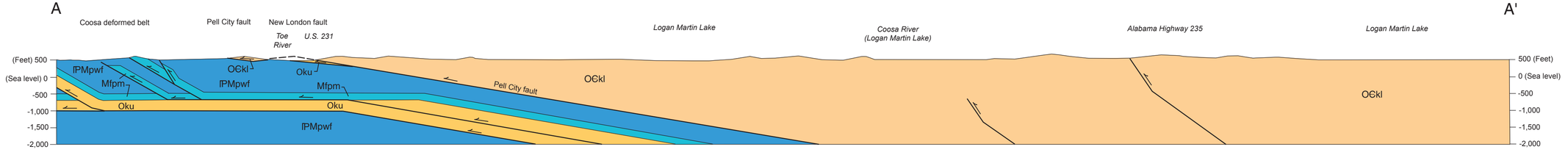
SYMBOLS FOR GEOLOGIC MAP

- Contact, located very approximately
- Contact or fault, concealed beneath mapped units
- Thrust fault, located very approximately, sawteeth on upper plate
- Thrust fault, hypothetical
- 45 — Strike and dip of beds
- Syncline, showing trace and direction of plunge
- Anticline, showing trace and direction of plunge
- Basin

SYMBOLS FOR CROSS SECTION A-A'

- Stratigraphic contact
- Fault, showing relative movement

CROSS SECTION A-A'



Scale 1:24,000
No vertical exaggeration

CROSS SECTION A-A' AND EXPLANATION FOR THE GEOLOGIC MAP AND CROSS SECTION OF THE LANIERS 7.5-MINUTE QUADRANGLE, TALLADEGA, ST. CLAIR, AND SHELBY COUNTIES, ALABAMA

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