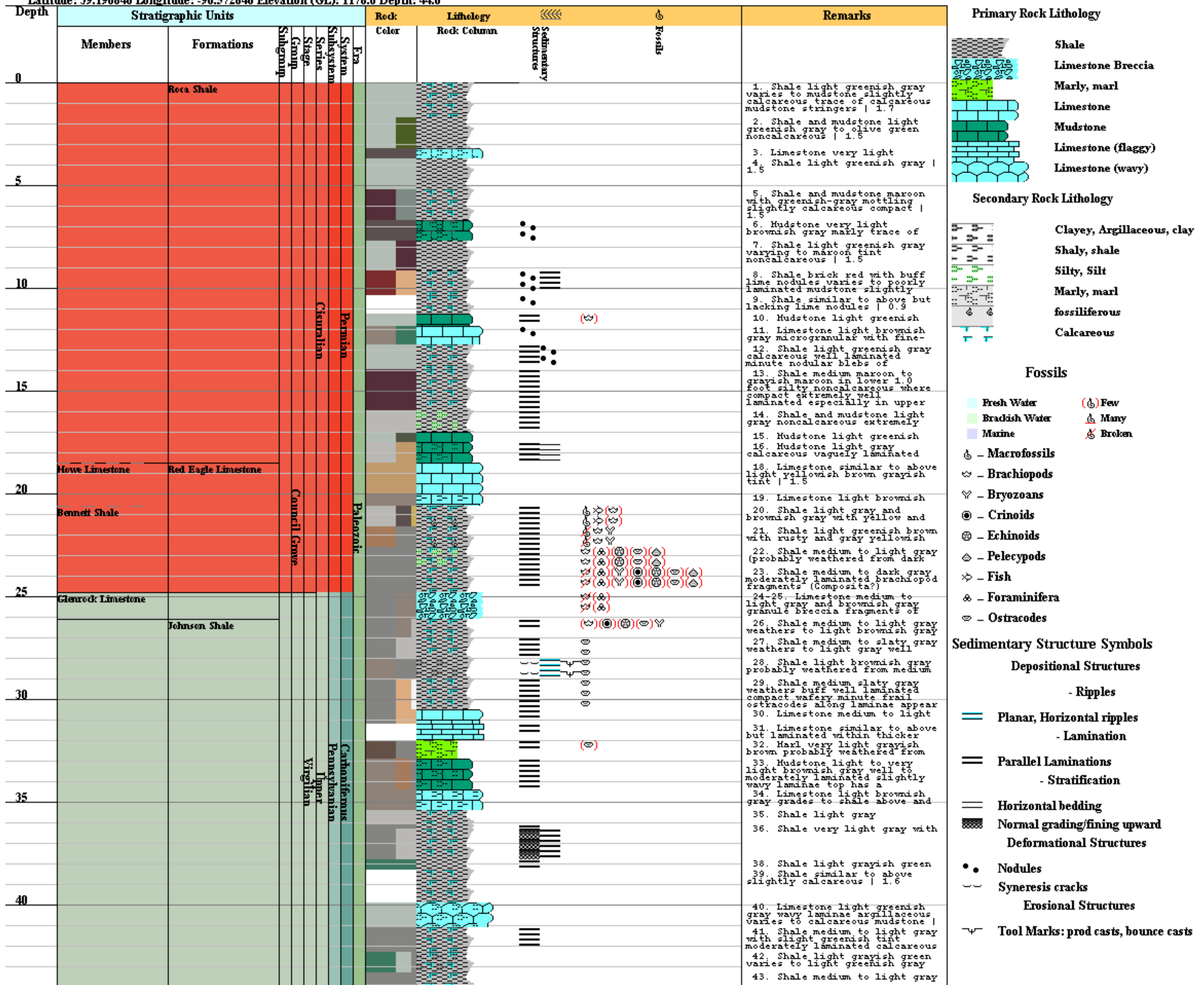


In west bank of road cut on Kansas Highway 13 near northeastern outskirts of Manhattan along northeast side of Bluemont Hill, Manhattan, Riley County, Kansas T: 10S R: 8E S: 7

Latitude: 39.196846 Longitude: -96.572846 Elevation (GL): 1178.0 Depth: 44.0



**Primary Rock Lithology**

- Shale
- Limestone Breccia
- Marly, marl
- Limestone
- Mudstone
- Limestone (flaggy)
- Limestone (wavy)

**Secondary Rock Lithology**

- Clayey, Argillaceous, clay
- Shaly, shale
- Silty, Silt
- Marly, marl
- fossiliferous
- Calcareous

**Fossils**

- Fresh Water
- Brackish Water
- Marine
- Macrofossils
- Brachiopods
- Bryozoans
- Crinoids
- Echinoids
- Pelecypods
- Fish
- Foraminifera
- Ostracodes

**Sedimentary Structure Symbols**

**Depositional Structures**

- Ripples
- Planar, Horizontal ripples
- Lamination
- Parallel Laminations
- Stratification
- Horizontal bedding
- Normal grading/fining upward

**Deformational Structures**

- Nodules
- Syneresis cracks

**Erosional Structures**

- Tool Marks: prod casts, bounce casts