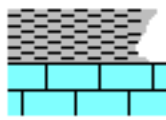


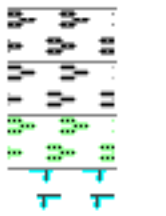
Locality: Tuttle Creek Dam Spillway T: 9S R: 8E S: 18  
 Latitude: 39.269405 Longitude: -96.572769 Elevation (GL): 1153.0 Depth: 6.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
	Members	Formations	Subgroup	Group	Stage	System					
0	Legion Shale										Bed 55--34 cm Legion Shale medium gray (N5) crumbly calcareous mudrock sharp lower contact no silt paleosol beds top 10 cm has Thalassinoides burrow network filled with meniscate brown fossil packstone (up to 4 cm across) patches of ostracodes on the top surface.   1.12
1											Bed 54--16 cm Legion Shale medium dark gray (N4) argillaceous packstone sharp lower contact: lower part of fragmented fossil debris and small (<1 cm) lighter colored intraclasts: upper part has
2											Bed 53--78 cm Legion Shale olive gray (5 Y 3/2) crumbly mudrock sharp lower contact root traces throughout: lower 46 cm has large (25-30 cm deep) desiccation cracks filled with lighter slightly calcareous gray mudrock 2 cm diameter beds in lower 48 cm grades into upper 30 cm with columnar beds with well developed dark argillans around a lighter core.   2.56
3											
4	Sallyards Limestone										Bed 52--5 cm Sallyards limestone medium light brownish Bed 51--30 cm Sallyards limestone very light gray (N8) to grayish yellow green (5GY 7/2) dense argillaceous wackestone-packstone of comminuted debris sharp lower contact gray-green tabular intraclasts throughout other clasts include: brachiopod valves algal coated shells crinoid debris pervasively bioturbated (Chondrites?) top surface is a shell lag which
5											
6											

**Primary Rock Lithology**



**Secondary Rock Lithology**



**Fossils**

Fresh Water (light blue square)  
 Brackish Water (light green square)  
 Marine (light purple square)

(F) Few  
 (M) Many  
 (B) Broken

(M) - Macrofossils  
 (B) - Brachiopods  
 (Y) - Bryozoans  
 (C) - Crinoids  
 (P) - Pelecypods  
 (R) - Roots  
 (BU) - Burrows  
 (O) - Ostracodes

**Sedimentary Structure Symbols**

**Depositional Structures**  
 - Bedding Base  
 - Abrupt or sharp, planar base of bed

**Deformational Structures**  
 - Syneresis cracks

**Erosional Structures**  
 - Deflation Lag