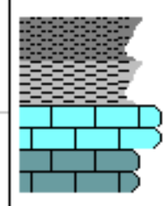
Stop A2: Creek along 63rd st. at I-435. T: 48S R: 320E S: 6
Depth: 60.0

Depth	Members	Formations	Subgroup	Group	Stage	Series	Subsystem	System	Era	Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
0	Winterset Limestone	Dennis Limestone												2.0 | Skeletal wackestone
														0.6 | Shale
														6.0 | Skeletal wackestone
5														
														0.3 | gray shale Brackiopods
10														
														0.7 | skeletal wackestone with
														0.7 | skeletal wackestone
														0.7 | dark gray shale
														3.3 | skeletal wackestone
15														
														0.7 | dark gray shale
														0.7 | skeletal wackestone
	Stark Shale													2.0 | Gray Shale
20														2.0 | Black Shale phosphatic
		Galesburg Shale												2.0 | Gray Claystone (Hudstone)
	Bethany Falls Limestone	Swope Limestone												2.7 | Rubbly Calcilutite oolite wackestone laminar caliche solution tubes and microkarstic reflects subaerial exposure
25														6.7 | massive Hottled sparsely fossiliferous wackestone
30														
														2.7 | Skeletal Wackestone Brachiopods: Pulchratia Composita Phricodothyris Bryozoans: rhomboporids fenestellids Crinoid debris fish pieces echinoids Biserial / uniserial forams Sparse
35														2.0 | Skeletal Wackestone Brachiopods: Composita productids Bryozoans rhomboporids fenestellids Fish pieces Crinoid debris Solitary
														0.7 | Skeletal Wackestone Brachiopods: Crinoid debris
														1.7 | Skeletal Wackestone Brachiopods: Hustedia conetids productids Crinoid debris fish pieces sparse conodonts: small
40														
	Hushpuckney Shale													0.5 | Skeletal Wackestone
														0.5 | gray Shale Brachiopods:
														0.5 | gray shale Brachiopods:
														1.0 | gray shale Brachiopods: Crurithyris Ammodiscoid and
														1.0 | gray shale Brachiopods: Crurithyris encrusting forams
45														1.0 | Black Shale P04 nodules and laminae Brachiopods:
														0.6 | Black Shale P04 nodules
	Middle Creek Limestone													0.1 | Gray Shale Brachiopods:
														0.7 | Skeletal wackestone
		Elm Branch Shale												0.3 | Fossiliferous shale
														0.7 | Dark Shale with
														1.0 | Gray claystone (mudstone)
	Sniabar Limestone	Hertha Limestone												4.7 | limestone Laminated caliche crusts locally
50														
														0.3 | Skeletal wackestone
55														
														0.3 | Skeletal wackestone
														0.6 | Skeletal wackestone
														0.6 | wackestone
														1.4 | Skeletal wackestone Brachiopods Crinoid debris Encrusting forams moderate
	Mound City Shale													0.1 | Skeletal wackestone
60														0.3 | black shale abundant
														0.3 | dark gray shale
			Pleasanton											
65														

Kansas City — Missourian — Upper — Pennsylvanian — Carbonifermus — Paleozoic

Primary Rock Lithology



- Clay, Claystone
- Shale
- Limestone
- Wackestone

Secondary Rock Lithology

- Shaly, shale
- Cherty, chert
- oolitic
- fossiliferous
- Phosphate, Phosphatic

Fossils

- Fresh Water
- Brackish Water
- Marine
- (Few
- Many
- Broken

- Macrofossils
- Trilobites
- Brachiopods
- Bryozoans
- Corals
- Crinoids
- Echinoids
- Gastropods
- Pelecypods
- Fish
- Conodonts
- Foraminifera
- Larger Foraminifera, or fusulin
- Ostracodes

Sedimentary Structure Symbols

Depositional Structures

- Lamination

= Parallel Laminations

Deformational Structures

• • Nodules