

Depth	Stratigraphic Units						Rock Color	Lithology		Fossils	Porosity Type	Porosity	Remarks
	Members	Formations	Subgroup	Series	Subsystem	System		Rock Column	Sedimentary Structures				
0													
50	Verdigris Limestone												25.0 Verdigris Limestone
	Croweburg coal												31.0 36.4 clay shale medium
	Fleming coal												36.4 Croweburg Coal
	unnamed Coal												40.0 42.6 claystone (mudstone)
	Mineral coal												45.4 Fleming Coal
100	Scammon coal												50.0 57.1 shale (mudshale)
													57.1 unnamed coal
													61.0 63.0 claystone (mudstone)
													67.0 69.7 fossiliferous shale
													71.3 72.0 claystone (mudstone)
													77.8 89.8 shale (mudshale)
													medium light gray (N6) moderate hard parallel fractures silty
													89.8 91.1 clay shale dark gray
													93.4 Scammon Coal
													97.5 101.7 shale (mudshale)
													101.7 108.9 siltstone light
													108.9 112.8 interbedded
													112.8 123.4 shale (mudshale)
													medium gray (N5) w very light
													123.4 141.6 clay shale dark gray (N5) at base to medium gray (N6) at top w/ brown mottling hard brittle parallel fractures micaceous abundant
150													142.7 143.3 claystone
													153.5 155.4 siltstone light
													162.4 166.9 clay shale dark
													166.9 Weir-Pittsburg Coal
													171.9 182.1 shale (mudshale)
													medium gray (N5) w/ brown
													182.1 183.1 clay shale dark
													187.4 194.8 siltstone light gray (N7) to medium light gray
200	Bluejacket "A" Coal												194.8 195.9 sandstone very
	Bluejacket "B" Coal												199.5 203.7 clay shale dark
	Upper Bluejacket Sandstone												203.7 204.7 clay shale dark
													207.6 214.0 siltstone medium
													214.0 Upper Bluejacket
													218.0 221.5 siltstone medium
													223.5 235.1 shale (mudshale)
													medium dark gray (N4) at base to dark gray (N5) at top hard
													235.1 Bluejacket C Coal
250													250.7 Bluejacket D Coal
													258.0 272.8 shale (mudshale)
													medium dark gray (N4) at base to medium light gray (N6) at top hard-moderate hard parallel
													272.8 Drywood Coal
													283.3 Rowe Coal
													289.0 301.2 clay shale medium dark gray (N4) hard parallel fracture micaceous thin
													301.2 303.4 claystone
													312.1 Upper Warner Sandstone
													317.5 329.2 shale (mudshale)
													medium dark gray (N4) at base to dark gray (N5) at top hard parallel fractures silty
													329.2 A Coal
													338.7 B Coal
													345.0 351.75 clay shale dark
													351.75 unnamed coal
													361.75 C Coal
													369.3 D Coal
													373.8 377.7 silt shale medium
													377.7 380.7 claystone
400													407.8 Riverton Coal
													411.9 418.0 shale (mudshale)
													418.0 435.7 clay shale gray black (N2) -dark gray (N3) hard parallel fracture micaceous few very small plant fragments
													435.7 Unnamed Lower Coal
450													447.0 462.0 highly brecciated chert with fine brown silty sand infill subangular unsorted 2-60mm almost no matrix in some
													462.0 463.0 silty peloidal
													469.0 470.0 silty peloidal
													472.0 474.0 mottled blue-white
													478.0 495.1 dark gray-black mudstone fine skeletal debris crinoid concentrations
500													495.1 495.3 black shale bed
													502.9 504.0 dense mottled blue
													507.0 520.5 chalky white tripolitic chert breccia rounded clasts in white matrix
													520.5 523.1 gray silty infill
													524.5 525.0 horizontal shale
													530.7 531.2 horizontal shale
													535.0 543.0 light gray mottled chert breccia with angular
													543.0 546.0 mottled dense
													548.0 549.0 highly brecciated
													553.3 554.7 highly brecciated
													561.0 568.9 highly brecciate white 3-40 mm angular chert
													568.9 571.8 slightly fractured
													572.8 574.0 slightly fractured
													576.5 577.6 highly brecciate
													580.6 581.3 burrows peloidal
													586.2 586.6 mottled
													590.5 590.9 mottled
													593.5 596.0 mottled
													598.0 599.2 slightly
													602.5 604.0 dense porcellanite
													606.7 606.9 6-15 mm shale bed
													610.7 611.8 silty burrows
													614.2 615.6 dense porcellanite
													618.0 624.0 light gray silty
													624.0 626.0 light gray silty
													627.8 628.2 concentration of
													633.0 633.5 concentration of
600													660.5 663.7 light gray
													670.0 675.0 light gray
													675.0 675.5 large 20 mm
													680.0 681.4 gray bioturbated
													684.0 685.5 light gray
700													696.4 697.0 wackestone 50 mm
													706.2 708.0 wackestone silica
													710.0 712.0 light gray
													713.8 715.8 silty shale
													718.0 718.8 light gray
													726.0 735.0 light gray fossiliferous wackestone shale
													735.0 735.5 light gray
													743.0 744.0 gray green silty
													747.0 749.0 gray green silty
													751.0 752.5 light gray
													755.0 758.0 medium gray to
													760.0 Base of Mississippian
800													

Primary Rock Lithology

Clay, Claystone

Shale

Silt, Siltstone

Sand, Sandstone

Chert

Anthracite Coal

Pyrite

Limestone

Mudstone

Wackestone

Packstone

Dolomite

Secondary Rock Lithology

Clayey, Argillaceous, clay

Shaly, shale

Silty, Silt

Sandy, sand

Cherty, chert

Anthracitic

Pyritic, pyrite

Sideritic, siderite

Ironstone

fossiliferous

Chalky

Calcareous

Dolomitic

Fossils

Fresh Water

Brackish Water

Marine

Few

Many

Broken

Macrofossils

Brachiopods

Bryozoans

Crinoids

Plants

Roots

Burrows

Sedimentary Structure Symbols

- Bedding Base

Abrupt or sharp, planar base of bed

Ripples

Planar, Horizontal ripples

Lamination

Parallel Laminations

Stratification

Horizontal bedding

Parallel wavy bedding

Flaser bedding

Lenticular, linsen bedding

Deformational Structures

Nodules

Nodules - Silicates

Nodules - Pyrite, Ironstone

Ferruginous concretions or nodules

Porosity Type

Interskeletal

Mouldic

Fracture

Vuggy