

STRATIGRAPHIC COLUMN OF IOWA

SYSTEM	SERIES	GROUP	FORMATION	DESCRIPTION	THICKNESS	(MILLION YEARS)
Quaternary	Pleistocene		Wisconsin	loess, glacial till and interbedded sand and gravel	500'	1
			Illinoian			
			Kansan			
Cretaceous		Colorado	Carlile	shale	350'	90
			Greenhorn	limestone and shale		
			Graneros	shale		
		Dakota		sandstone and shale	200'	
Jurassic			Fort Dodge beds	gypsum, red and green shales in Webster County only	50'	181
Pennsylvanian	Virgil	Wabauensee	French Creek	shale	210'	310
			Jim Creek	limestone		
			Friedrich	shale		
			Grandharen	limestone		
			Dry	shale		
			Dover	limestone		
			Langdon (includes Nyman Coal)	shale		
			Maple Hill	limestone		
			Wamego	shale		
			Tarkio	limestone		
			Willard	shale		
			Elmont	limestone		
			Harveyville	shale		
			Reading	limestone		
			Auburn	shale		
			Wakarusa	limestone		
			Soldier Creek	shale		
			Burlingame	limestone		
			Silver Lake	shale		
			Rulo	limestone		
		Cedar Vale (includes Elmo bed at top)	shale			
		Happy Hollow	limestone			
		White Cloud	shale			
		Howard	limestone			
		Severy (includes Nodaway coal bed at base)	shale			
		Shawnee	Topeka	limestone	180'	
			Calhoun	shale		
			Deer Creek	limestone		
			Tecumseh	shale		
			Lecompton	limestone		
		Douglas	Kanwaka	shale	110'	
			Oread	limestone		
			Lawrence	shale		
Lansing	Stranger	shale	50'			
	Iatan	limestone				
	Weston	shale				
Missouri	Kansas City	Stanton	limestone	215'		
		Vilas	shale			
		Plattsburg	limestone			
	Pleasanton	Bonner Springs	shale			
		Wyandotte	limestone and shale			
		Lane	shale			
		Iola	limestone and shale			
		Chanute	shale			
		Drum	limestone			
		Quivira	shale			
		Westerville	limestone			
		Cherryvale	shale			
		Dennis	limestone and shale			
		Galesburg	shale			
		Swope	limestone			
Ladore	shale					
Hertha	limestone					
Pleasanton	undifferentiated	shale and sandstone, thin coal beds	40'			
Des Moines	Marmaton	Lenapah	limestone	145'		
		Nowata	shale			
		Altamont	limestone and shale			
		Bandera	shale			
		Pawnee	limestone and shale			
Cherokee	Labette	shale	755'			
	Fort Scott	limestone				
Mississippian	Meramec	St. Genevieve	shale and limestone	140'		
		St. Louis	sandy limestone			
		Spergen	limestone			
	Osage	Warsaw	shale and dolomite	250'		
		Keokuk	cherty dolomite and limestone			
		Burlington	cherty dolomite and limestone			
	Kinderhook	Gilmore City	limestone, oolitic	300'		
		Hampton	limestone and dolomite			
		Starrs Cave	limestone			
North Hill	Prospect Hill	siltstone	100'			
	McCraney	limestone				
	English River	siltstone				
Devonian	Upper	Maple Mill	shale	300'		
		Aplington	dolomite			
		Sheffield	shale			
		Lime Creek	dolomite and shale			
	Middle	Shell Rock	limestone and dolomite	225'		
		Cedar Valley	limestone and dolomite			
		Wapsipinicon	limestone and dolomites, shales in middle			
Lower	La Porte City	chert, limestone and dolomite	50-100'	400		
Silurian	Niagaran	Gower	dolomite	300'		
		Hopkinton				
	Alexandrian	Kankakee	cherty dolomite	100'		
Ordovician	Cincinnatian	Edgewood	sandy dolomite	300'		
		Maquoketa	dolomite and shale			
	Mohawkian	Galena	dolomite and chert	320'		
		Decorah	limestone and shale			
	Chazyan	Platteville	limestone, shale and sandstone	70'		
		St. Peter	sandstone			
Beekmantown	Prairie du Chien	sandy and cherty dolomite and sandstone	290'	500		
Cambrian	St. Croixan	Trempealeau	Madison <sup>a</sup>	sandstone	185'	
			Jordan			
			Lodi <sup>a</sup>			
		Dresbach	St. Lawrence	dolomite		
			Franconia	glauconitic sandstone, siltstone, shale		
Dresbach	Galesville	sandstone	550'			
	Eau Claire	sandstone and shale, dolomite				
Precambrian			Mt. Simon	sandstone	600?	
				sediments (sandstones), igneous, and metamorphic rocks		

<sup>a</sup> recognized only in extreme northeast Iowa