Geologic Period	Series	Geologic Unit		Depositional Setting
Quaternary	N/A	Quaternary Alluvium		Fluvial deposition and terrace deposits
Early Cretaceous	COMANCHEAN	Fredericksburg Group	Edwards Formation	Passive margin onlap from transgressing Gulf of Mexico
			Comanche Peak Formation	
			Walnut Formation	
		Trinity Group	Paluxy Formation	
			Glen Rose Formation	
			Twin Mountains Formation	
Pennsylvanian	MISSOURI	Strawn Group	Mineral Wells Formation	Filling of Fort Worth Basin with decreased subsidence
	DES MOINES		Brazos River Formation	
			Mingus Formation	
			Grindstone Creek Formation	
			Lazy Bend Formation	
	ATOKA	Atoka Group	Atoka Sand	Foredeep basin subsidence followed by syn-orogenic clastic facies
			Smithwick	
			Big Saline	
	MORROWAN	Marble Falls Limestone		
Mississippian	CHESTERIAN - MERAMECIAN	Barnett Shale		
	OSAGEAN	Chappel Limestone		
Late Cambrian to Ordovician	CANADIAN	Viola and Simpson Formations		Laurentian Shelf
		Ellenburger Group	Honeycut Formation	
			Gorman Formation	
			Tanyard Formation	
		Wilberns Formation	San Saba	
			Point Peak	
			Morgan Creek Limestone	
			Welge Sandstone	
		Riley Formation	Lion Mountain Sandstone	
			Cap Mountain Limestone	
			Hickory Sandstone	
Precambrian	undifferentiated Grenville crystalline Basement			Precambrian North American craton

Figure 2.5.1-219 Site Area Stratigraphy