

SYSTEM	SERIES	STRATIGRAPHIC UNIT		GEOLOGY AND LITHOLOGY	HYDROGEOLOGIC UNIT		
Quaternary	Holocene and Pleistocene	Undifferentiated surficial deposits <div>Cypresshead Formation</div>		Sand	Surficial aquifer system		
Tertiary	Pliocene			Sand, Clay			
	Miocene	Hawthorn Group	Bone Valley Member	Phosphate, clay, sand, limestone, and dolostone	Intermediate aquifer system or intermediate confining unit	Confining unit	
			Peace River Formation			Zone 2	
			Arcadia Formation			Confining unit	
			Tampa Member			Zone 3	
			Nocatee Member			Confining unit	
	Oligocene	Suwannee Limestone		Limestone and dolostone		Floridan aquifer system	Upper Floridan aquifer
	Eocene	Ocala Limestone			Semi-confining unit		
		Avon Park Formation			Lower permeable zone		
					Middle confining unit		Middle semiconfining unit
		Oldsmar Formation			Limestone and dolostone with some intervals containing inclusions of gypsum and anhydrite		Lower Floridan aquifer
	Paleocene	Cedar Keys Formation	Limestone and dolostone with beds of gypsum and anhydrite	Sub-Floridan confining unit			

Source: USGS SIR 2006-5320 (modified)

Duke Energy Florida  
**Levy Nuclear Plant**  
**Units 1 and 2**  
**Part 2, Final Safety Analysis Report**

Relationship of Stratigraphic and  
Hydrogeologic Units in West-Central  
Florida

FIGURE 2.4.12-203

Rev 6