

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	
	Oligocene	Suwannee Limestone	Nocatee Member	Confining unit			
				Limestone and dolostone		Upper Floridan aquifer	Upper permeable zone
	Semi-confining unit						
	Lower permeable zone						
	Eocene	Avon Park Formation	Limestone and dolostone with some intervals containing inclusions of gypsum and anhydrite		Middle confining unit	Middle semiconfining unit	
							Oldsmar Formation
	Paleocene	Cedar Keys Formation	Limestone and dolostone with beds of gypsum and anhydrite	Sub-Floridan confining unit			

Source: USGS SIR 2006-5320 (modified)

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

Relationship of Stratigraphic and  
Hydrogeologic Units in West-Central Florida

FIGURE 2.5.1-249

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