

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		Floridan aquifer system		Upper Floridan aquifer	Upper permeable zone
	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 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

Rev 6