

SYSTEM	SERIES	STRATIGRAPHIC UNIT		GEOLOGY AND LITHOLOGY	HYDROGEOLOGIC UNIT		
Quaternary	Holocene and Pleistocene	Undifferentiated surficial deposits		Sand	Surficial aquifer system		
Tertiary	Pliocene			Cypresshead Formation			
	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			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)

Progress 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

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