

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

Rev 0