

WYRICK 1960	LICHTLER 1960	CLARKE 1964	LEVE 1966	WOLANSKY 1978	MILLER 1980	BOGGESS 1986; ARTHUR AND OTHERS 2008	SWFWMD PRESENT
nonartesian aquifer	Shallow aquifer	water-table aquifer	shallow aquifer system	unconfined aquifer	surficial aquifer	surficial aquifer system	surficial aquifer
confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit

[SWFWMD, Southwest Florida Water Management District]

SPROUL AND OTHERS 1972	JOYNER, SUTCLIFFE 1976	WEDDERBURN AND OTHERS 1982	WOLANSKY 1983	BARR 1996	TORRES AND OTHERS 2001	KNOCHENMUS 2006	ARTHUR AND OTHERS 2008	SWFWMD PRESENT
confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit
sandstone aquifer	Zone 1	Sandstone aquifer	Intermediate aquifers	Permeable Zone 1	Tamiami/ Peace River zone (PZ1)	Zone 1	zones/ aquifers were not delineated	Peace River aquifer
confining unit	confining unit	confining unit		confining unit	confining unit	confining unit		confining unit
upper Hawthorn aquifer	Zone 2	mid-Hawthorn aquifer		Permeable Zone 2	Upper Arcadia zone (PZ2)	Zone 2		upper Arcadia aquifer
confining unit	confining unit	confining unit	Intermediate aquifers	confining unit	confining unit	confining unit	Intermediate aquifer system / intermediate confining unit	confining unit
lower Hawthorn aquifer	Zone 3	lower Hawthorn / Tampa producing zone		Permeable Zone 3	Lower Arcadia zone (PZ3)	Zone 3		lower Arcadia aquifer
confining unit	confining unit	confining unit		confining unit	confining unit	confining unit		confining unit

[FAS, Floridan aquifer system; PZ, permeable zone; SWFWMD, Southwest Florida Water Management District]

STRINGFIELD 1936	PARKER AND OTHERS 1955	STRINGFIELD 1966	MILLER 1982	BUSH 1982	MILLER 1986	REESE AND RICHARDSON 2008	ARTHUR AND OTHERS 2008	WILLIAMS AND KUNIANSKY 2016	SWFWMD PRESENT
confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit
chief water-bearing artesian formations	Floridan aquifer	principal artesian aquifer	Tertiary limestone aquifer system	Tertiary limestone aquifer	Floridan aquifer system	Floridan aquifer system	Floridan aquifer system	Floridan aquifer system	Floridan aquifer system
			permeable zone	Upper permeable zone	Upper Floridan aquifer	Lower Hawthorn producing zone Upper Floridan aquifer	Upper Floridan aquifer	Upper Floridan aquifer	Upper Floridan aquifer
					middle confining unit I	MC1 (middle semiconfining unit and/or confining unit, upper part)		Ocala-Avon Park low permeability zone (OCAPIpz)	Ocala low- permeability zone
			less permeable zone	Intra-aquifer low-permeability zone	Lower Floridan aquifer below middle confining unit I	Avon Park permeable zone		Avon Park Permeable Zone	Avon Park high- permeability zone ²
			permeable zone	Lower permeable zone	Lower Floridan aquifer below middle confining unit II or VI	MC2 (middle semiconfin- ing unit and/or confining unit, lower part)	Middle Floridan confining unit ¹	Middle-Avon Park confining unit (MAPCU)	Avon Park high- permeability zone ²
					middle confining unit VIII ³	Lower Floridan aquifer	Lower Floridan aquifer	Lower Floridan aquifer	Lower Floridan aquifer below middle confining unit II or VI
					Lower Floridan aquifer below middle confining unit VIII			Lower Avon Park permeable zone	middle confining unit VIII ³
								Glauconitic marker unit (GLAUCIpu)	Lower Floridan aquifer below middle confining unit VIII
			confining unit	confining unit	confining unit	confining unit	confining unit	confining unit	confining unit

[Terms shown are for hydrogeologic units present within the Southwest Florida Water Management District (SWFWMD)]

¹ Arthur and others acknowledge existence of the middle confining unit I within the Southwest Florida Water Management but do not map it for Special Publication 68.

² The Avon Park high-permeability zone (SWFWMD fracture zone) crosses middle confining unit I in central Polk County; therefore, it occurs above the middle confining unit I in northern Polk and below the middle confining unit I in southern Polk.

³ The middle confining unit VIII of Miller (1986) in south Florida was extended across the entire peninsula based on new data in Williams and Kuniansky (2015) and reidentified as the Glauconite marker unit.

Southwest Florida Water Management District Stratigraphic Correlation Chart

Holocene		undifferentiated sand and clay		surficial aquifer		
Pleistocene						
Pliocene		Cypresshead Fm				
		Caloosahatchee Fm				
		Tamiami Fm				
Miocene	late	Hawthorn Group	Coosawhatchie Formation ----- Peace River Formation	<ul style="list-style-type: none">• Bone Valley Member	confining unit	
	middle				Peace River aquifer	
	early		Arcadia Formation	<ul style="list-style-type: none">• Tampa Member• Nocatee Member	confining unit	
Oligocene	late				upper Arcadia aquifer	
	early		Suwannee Limestone		confining unit	
Eocene	late	Ocala Limestone		Floridan aquifer system	Ocala low-permeability zone	Upper Floridan aquifer
	middle	Avon Park Formation			Avon Park high-permeability zone	middle confining unit I
					Avon Park high-permeability zone	Lower Floridan aquifer below middle confining unit I
	early	Oldsmar Formation			middle confining unit II or VI	Lower Floridan aquifer below middle confining unit II or VI
Paleocene		Cedar Keys Formation			middle confining unit VIII ³	Lower Floridan aquifer below middle confining unit VIII
					confining unit	

Hawthorn aquifer system¹

Floridan aquifer system

This chart may be used to correlate the chronostratigraphic and lithostratigraphic units of the current hydrogeologic framework model of the Southwest Florida Water Management District.

Note: ¹The Hawthorn aquifer system was previously referred to as the Intermediate aquifer system. ²The Avon Park high-permeability zone (SWFWMD fracture zone) crosses middle confining unit I in central Polk County; therefore, it occurs above the middle confining unit I in northern Polk and below the middle confining unit I in southern Polk. ³The middle confining unit VIII of Miller (1986) was extended beyond the original extent in south Florida based on new data.

Avon Park high-permeability zone²

Lower Floridan aquifer below middle confining unit I

middle confining unit II or VI

Lower Floridan aquifer below middle confining unit II or VI

middle confining unit VIII³

Lower Floridan aquifer below middle confining unit VIII

Southwest Florida Water Management District Stratigraphic Correlation Chart

Holocene			undifferentiated sand and clay		surficial aquifer	
Pleistocene			Cypresshead Fm			
Pliocene			Caloosahatchee Fm			
			Tamiami Fm			
Miocene	late	Alachua Formation	Hawthorn Group	Coosawhatchie Formation	Hawthorn aquifer system ¹	
	middle			Peace River Formation		
	early			Arcadia Formation		
Oligocene	late			Tampa Member	upper Arcadia aquifer	
	early			Nocatee Member		
Eocene	late	Crystal River Fm	Suwannee Limestone	Ocala Limestone	Floridan aquifer system	
	middle	Williston Formation				Avon Park Formation
		Ingalls Formation				
	early	Lake City Limestone				Oldsmar Formation
Paleocene			Cedar Keys Formation			

This chart may be used to correlate the stratigraphic units in past reports to the current hydrogeologic framework model of the Southwest Florida Water Management District.

Note: ¹The Hawthorn aquifer system was previously referred to as the Intermediate aquifer system. ²The Avon Park high-permeability zone (SWFWMD fracture zone) crosses middle confining unit I in central Polk County; therefore, it occurs above the middle confining unit I in northern Polk and below the middle confining unit I in southern Polk. ³The middle confining unit VIII of Miller (1986) was extended beyond the original extent in south Florida based on new data.

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- Williams, L.J., and Kuniansky, E.L., 2016, Revised Hydrogeologic Framework of the Floridan Aquifer System in Florida and Parts of Georgia, Alabama, and South Carolina (ver. 1.1, March 2016): U.S. Geological Survey Professional Paper 1807, 140 p., 23 pls., <http://dx.doi.org/10.3133/pp1807>.

NOTES: Figure captions to be used for reports are below. For figure 1, *A*, *B*, *C* will need to be added to the top left corner of each aquifer/aquifer system correlation chart. Do not include the reference and notes pages in the appendix. Instead include the references in the Selected References of the main report.

Figure F1. Nomenclature of (*A*), the surficial aquifer, (*B*), the Hawthorn aquifer system, and (*C*), the Floridan aquifer system used for the ROMP ## – Name well site compared to nomenclature in previously published reports.

Figure F1. **(Continued)** Nomenclature of (*A*), the surficial aquifer, (*B*), the Hawthorn aquifer system, and (*C*), the Floridan aquifer system used for the ROMP ## – Name well site compared to nomenclature in previously published reports.

Figure F2. Chart correlating chronostratigraphic and lithostratigraphic units to the current hydrogeologic framework of the Southwest Florida Water Management District.

Figure F3. Chart correlating lithostratigraphic units used in past reports to current lithostratigraphic units and the current hydrogeologic framework of the Southwest Florida Water Management District.