System	Series	Group	Formation	Thickness (feet)	Character
Tertiary	Oligocene & Miocene		Residuum	0-100±	A jumbled series of highly weathered limestone, sand, and sandy clay of upper Eocene, Oligocene, and Miocene age; relatively impermeable, supplies small amounts of water to wells in its outcrop area.
	Eocene	Jackson	Ocala limestone	0-100	Light-gray to buff sandy limestone; yields water to wells penetrating solution channels in the formation.
		Claiborne	Lisbon	0-150	Glauconitic sand, clay and fossiliferous marl. Sand beds are excellent water bearers and a source of supply for domestic, industrial, and municipal wells.
			Tallahatta	0-80	Glauconitic sand and light-gray siliceous claystone. Sand beds yield moderate supplies of ground water.
		Wilcox	Hatchetigbee	0-25	Glauconitic sand and light-gray siliceous claystone. Sand beds yield moderate supplies of ground water.
			Tuscahoma	0-100	Olive to light-gray irregularly bedded fine to medium sand interbedded with fine gray sandy clay and shale; relatively impermeable except for more permeable sand beds.
			Nanafalia	0-85	Fossiliferous glauconitic sand, dark clay, claystone, and marl. Glauconitic sands of the formation are excellent water bearers.
	Paleocene	Midway	Clayton	0-135	Smooth-textured light gray argillaceous limestone; may supply water from solution cavities and from a channel sand at the base of the formation.
Cretaceous	Upper Cretaceous	Selma	Providence sand	0-250	Irregularly bedded micaceous sand and fine gravel interbedded with light-gray to white clay. Permeable sand beds are a potential source of ground water for domestic, industrial, and municipal use.
			Ripley	0-250	Fine to medium marine glauconitic, in places calcareous, sand and crossbedded coarse sand and gravel. Sandy beds of the formation are sources of moderate water supplies for domestic, industrial, and municipal use.
			Cusseta	0-150	Compact calcareous sandstone, chalky fine sand, and medium and coarse sand with gravel in the basal 50 feet of the formation. Permeable sand beds are a good source of water supply.
		Tuscaloosa	undifferentiated	0-1000	Light-colored sand and clay. Some gravel. Important source of water to artesian wells.

(Adapted from LaMoreaux, 1948, Chart 2)

Table 12. GENERALIZED DESCRIPTION OF FORMATIONS AND THEIR HYDROLOGIC CHARACTERISTICS IN SOUTHEASTERN ALABAMA