



GREEN GABLES QUADRANGLE LOUISIANA-7.5-MINUTE SERIES



Rapides, Grant, and LaSalle Parishes, Louisiana

in other Fleming subunits, with sands containing much more of the coarser size fractions and a larger proportion of quartz granules in places. Granules are extremely abundant locally and consist almost exclusively of quartz, in places comprising sandy granule conglomerate. Internal features include medium-scale trough cross beds in coarser, granule-rich sand and sandy granule conglomerate, with bedding sets fining upward in places. Characteristics of the surface Williamson Creek accord generally with continental, fluvial-dominated deposition.

- siltstone, in varying proportions. Includes calcareous clay, containing characteristic calcareous nodules, and may include in places anomalous localized concentrations of fine-grained calcareous rock. According to Hinds (1999), calcareous clay occurs more in the western portion of the outcrop belt, and noncalcareous clay in the eastern part. May weather to black soil. Sand and sandstone are poorly sorted, range in grain size from very fine to very coarse, and contain sparse quartz granules at a number of localities. Overall texture and internal features were interpreted by Fisk (1940) and Hinds (1999) as reflecting more brackish-water-influenced deposition than for the superjacent Williamson Creek and the
- Carnahan Bayou Formation, Fleming Group—texturally heterogeneous suite of generally poorly sorted sediments comprising varying admixtures of sand/sandstone, with granules in places; silt/siltstone; and clay/mud. Primarily clayey very fine to fine sand containing some coarse and very coarse sand with some granules. Granules and pebbles include both quartz and rock fragments, with granules comprising predominantly quartz, and pebbles and cobbles consisting mostly of rock fragments; the rock fragments comprise both lightish clay/mud rip-up clasts, and in places, dark or black chert. Includes petrified wood and thin tuffaceous beds locally. Characteristics of the surface Carnahan Bayou accord generally with continental, fluvial-dominated deposition, with the large proportion of silt observed in places suggestive of the onset of transition to deltaic facies. In eastern Texas the Carnahan

.FWS National Wetlands Inventory 2021 ..FSTopo Data

Wetlands.

Roads within US Forest Service Lands.

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