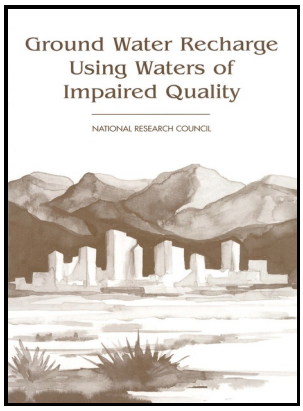
Hydrogeology and water-quality characteristics of the Lower Floridan aquifer in east-central Florida

U.S. Dept. of the Interior, U.S. Geological Survey - Hydrogeology, water quality, and simulated effects of ground



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Similarly, where sandy sediments at the top of the Hawthorn Group e.

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The thickness of the ICU and depth of the UFA are just too great. The walls of the fort provide an interesting experiment in weathering of limestone in Florida. Elsewhere, the aquifer is commonly utilized for small-volume, domestic and public supply, and for irrigation.

Water

This pattern gradually transitions northward to a continental pattern, which dominates north of the Suwannee River drainage basin. These unconfined areas are important because they reflect karst terrains where drainage is internal. If the potentiometric surface of the unconfined UFA lies within the surficial sands that lie above the limestone, the water-saturated portion of the sand mantle is considered to be part of the UFA.

Hydrogeology of Florida

Refer to Reese and Richardson for a recent discussion of the hydrostratigraphy of these units on a regional basis and some of the problems with hydrostratigraphic nomenclature in the MCU and LFA. Where the SAS exists throughout the remainder of the state it typically consists of quartz sand with local beds of clay and shell Fig. Note also the sinkholes drawn into the Boulder Zone Movement of saltwater through the deeper portions of the aquifer impacts the shallow flow systems.

Water

Image by an unknown photographer; from the Florida Memories Project, State Archives of Florida Image No38907 The underlying Fort

Thompson is composed of interbedded sand, shell, and freshwater and marine limestone. The uppermost permeable zone of the LFA the middle permeable zone of the FAS is used as a source of potable, fresh water.

Hydrogeology, water quality, and simulated effects of ground

Within the framework of the two main facies defined by Hoffmeister et al. This pattern reflects the summer convective storms that dominate the climate of peninsular Florida. Chloride concentrations of water from wells tapping the upper permeable zone ranged from 1.

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