

# Hydrogeological Overview

by

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FLORIDA IS  
GROUNDWATER-  
RICH !

HOW MUCH FRESH  
GROUNDWATER  
DOES FLORIDA  
HAVE IN THE  
FLORIDAN  
AQUIFER SYSTEM?



2.2 to 2.5 X 10<sup>15</sup> gallons  
of fresh groundwater

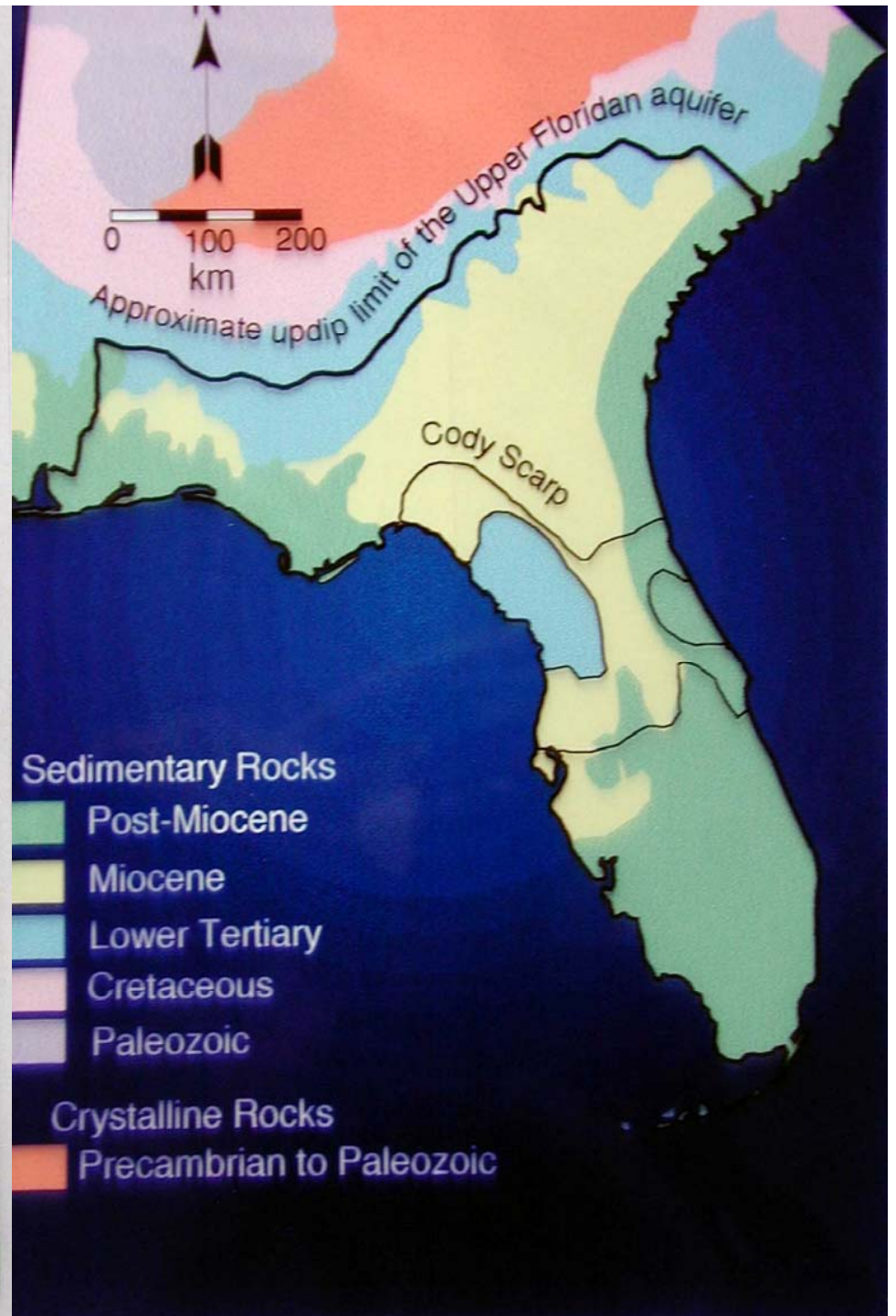
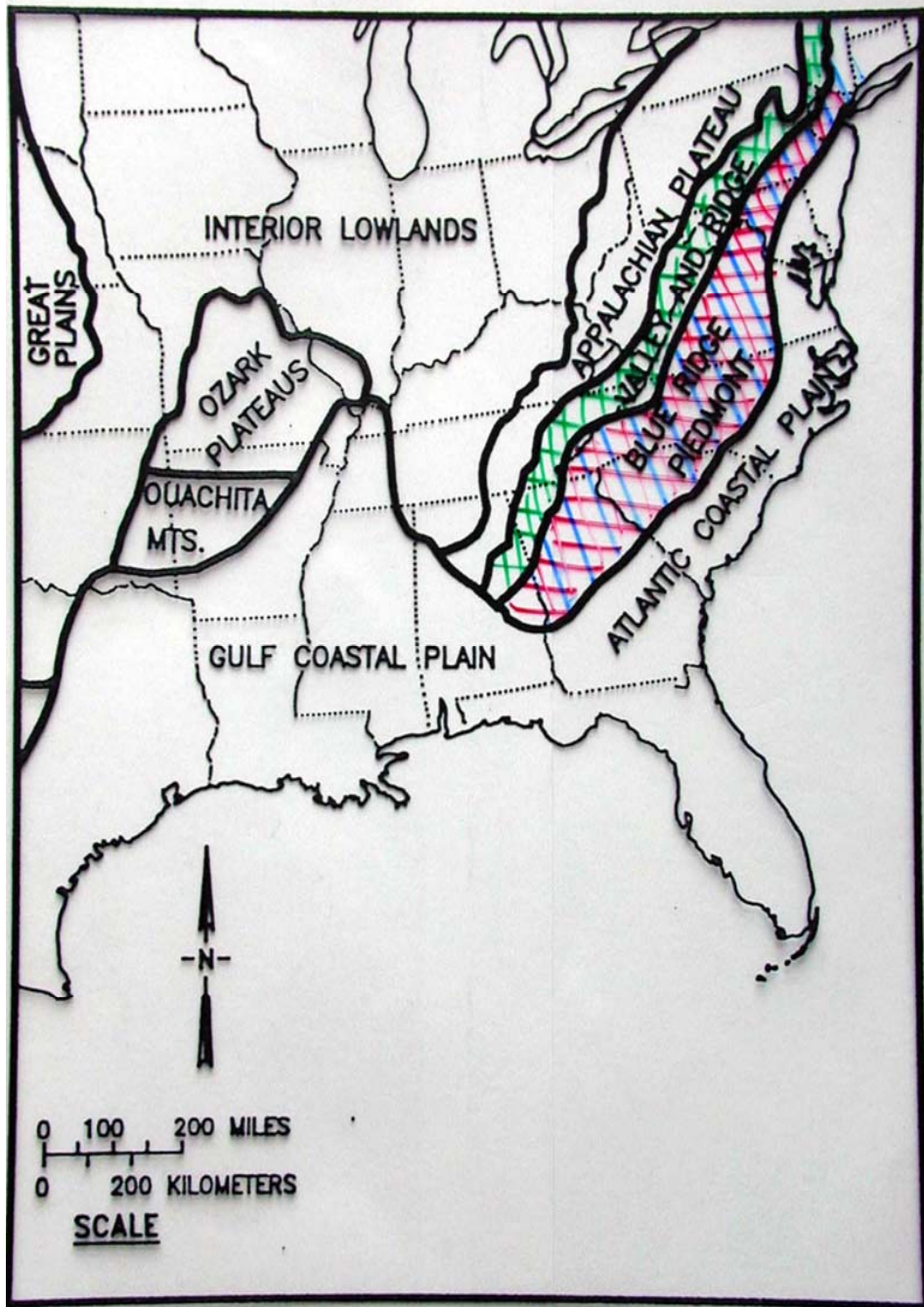


# LOW UNIT VALUE - HIGH PLACE VALUE

## WATER LAW













# GEOLOGY OF THE COASTAL BIG BEND

 UNDIFFERENTIATED SAND AND CLAY

 JACKSON BLUFF FORMATION

 CHIPOLA FORMATION

 INTRACOASTAL FORMATION

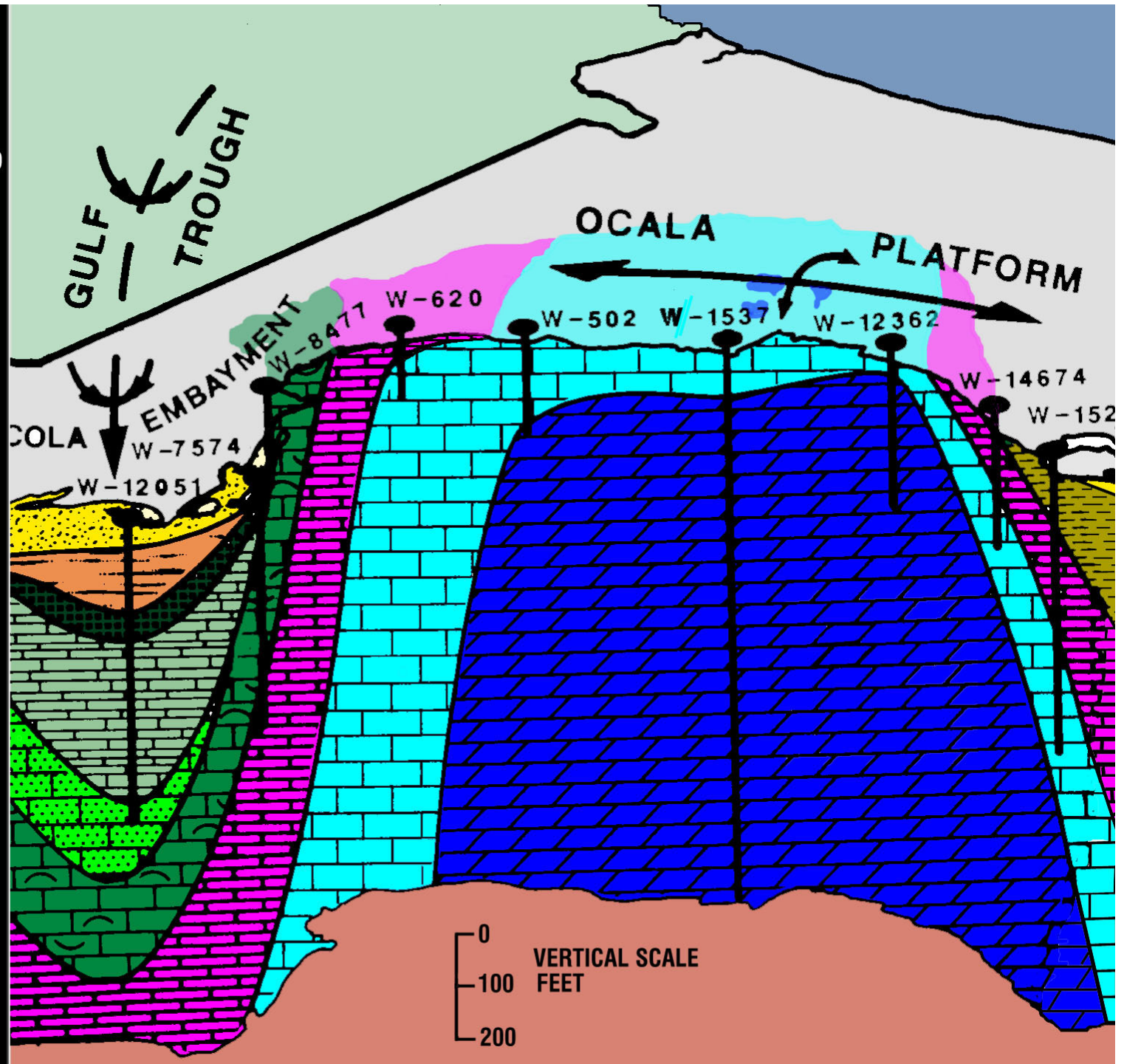
 BRUCE CREEK LIMESTONE

 ST. MARKS FORMATION

 SUWANNEE LIMESTONE

 OCALA LIMESTONE

 AVON PARK FORMATION

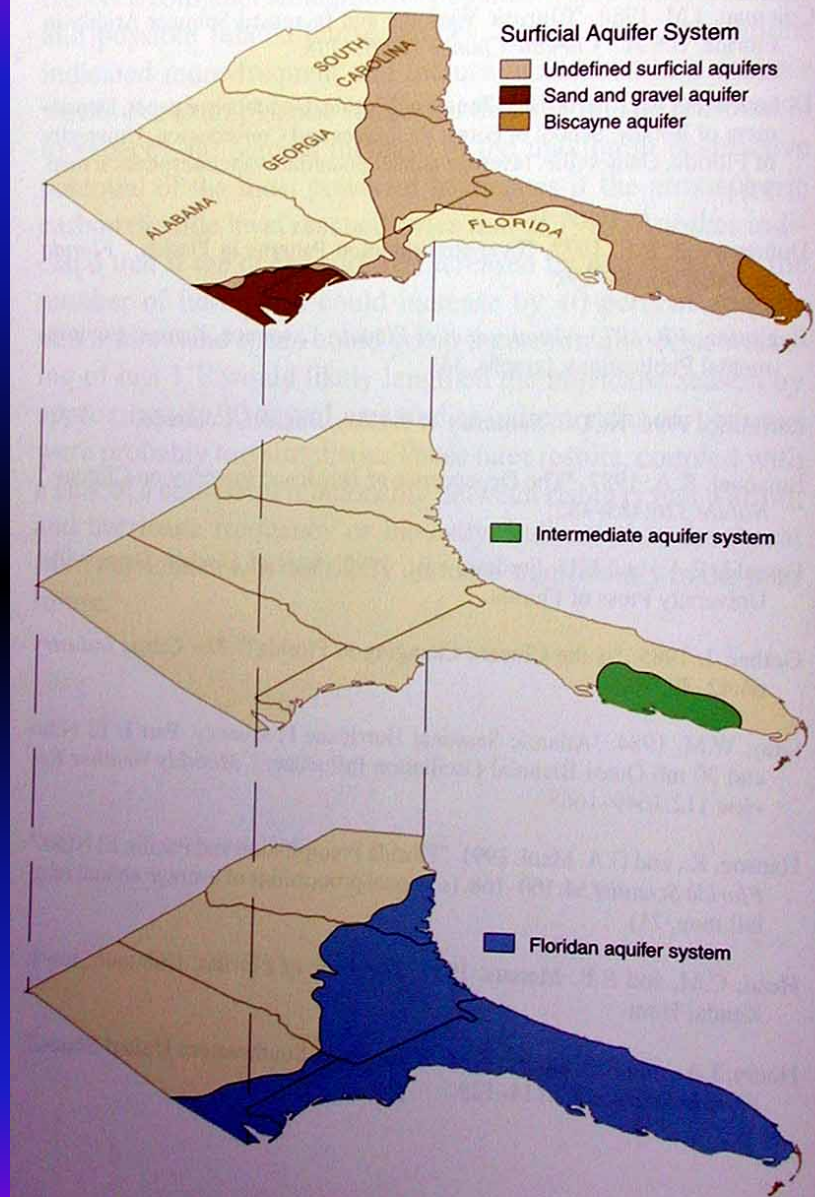




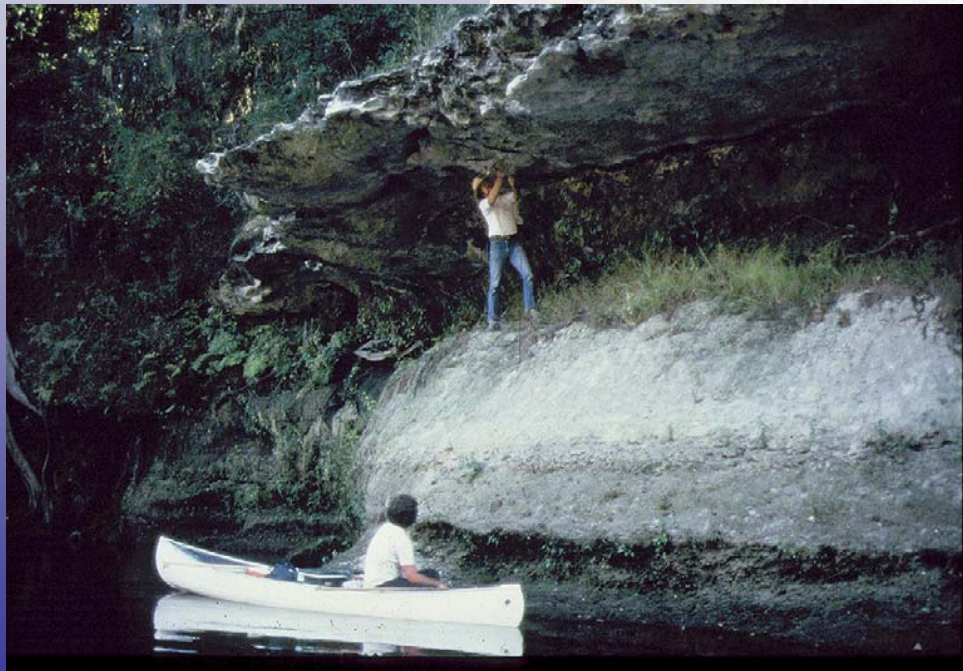
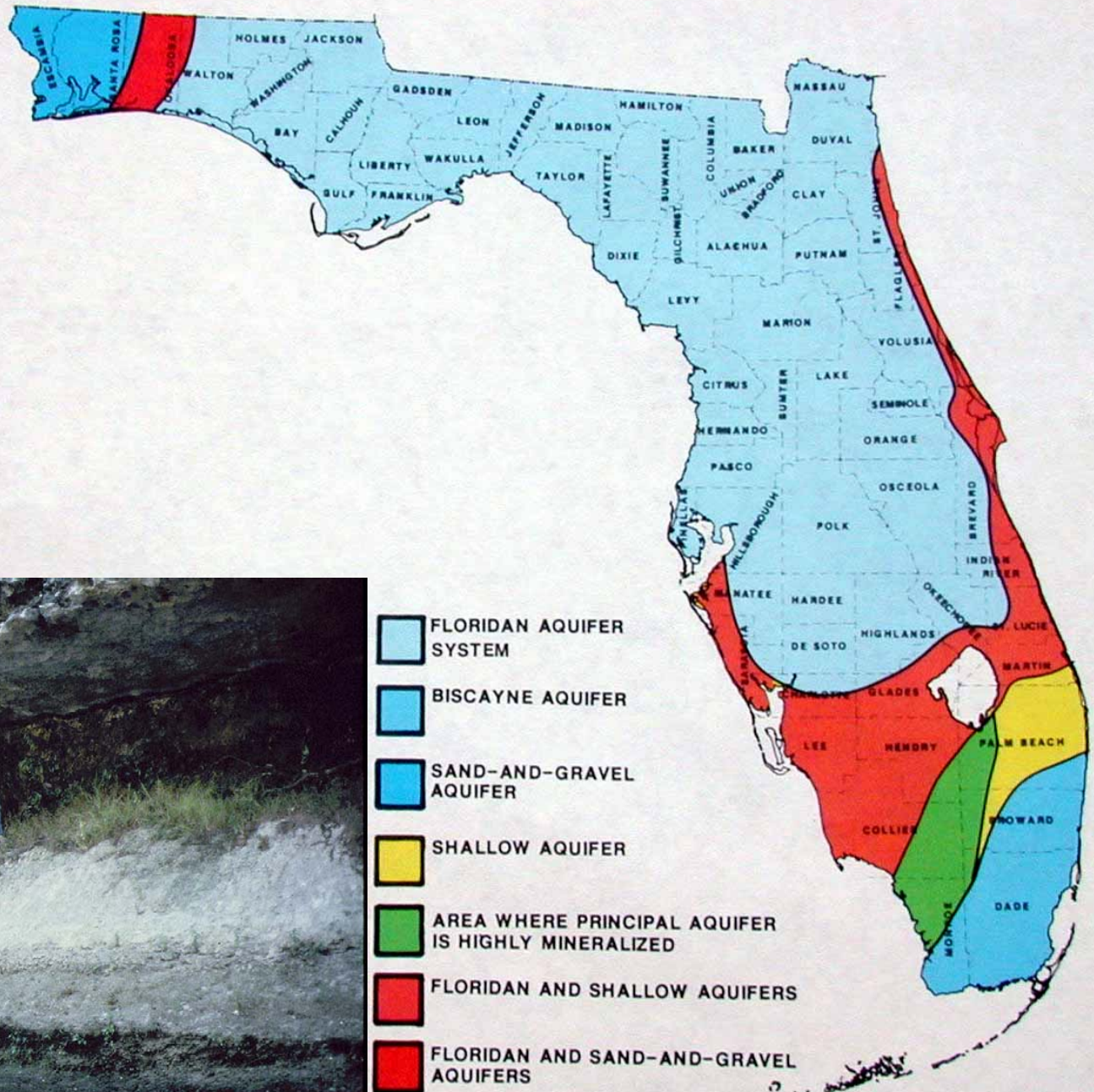




## Sequence of Aquifers

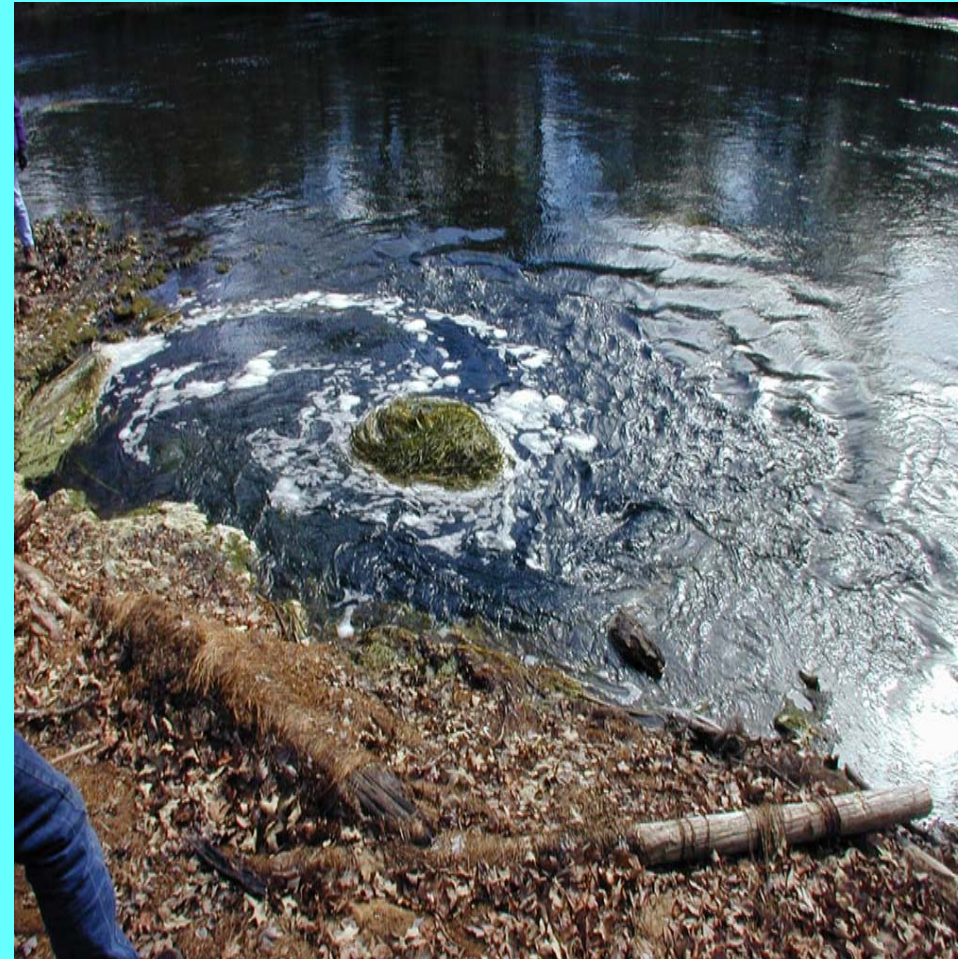
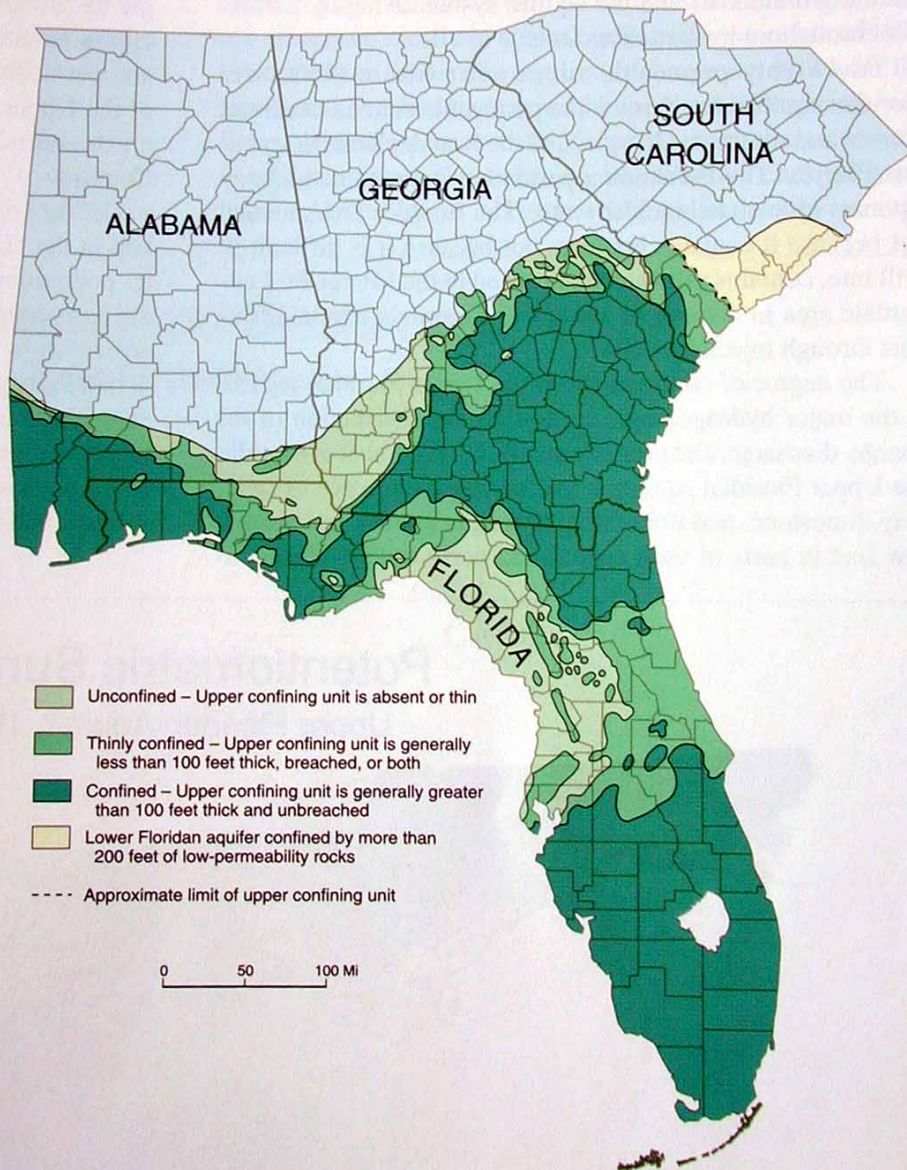




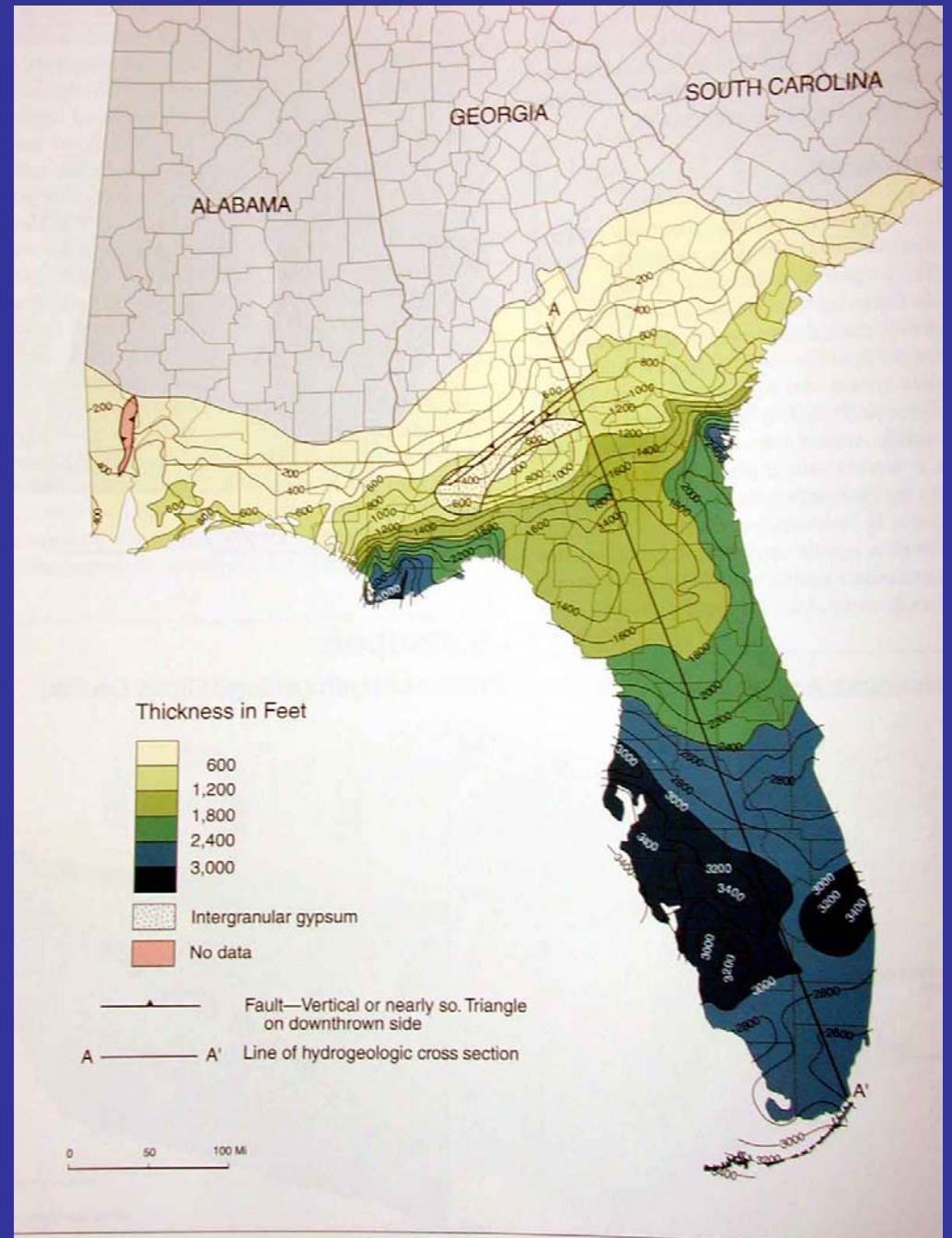




# Confinement of the Floridan Aquifer System



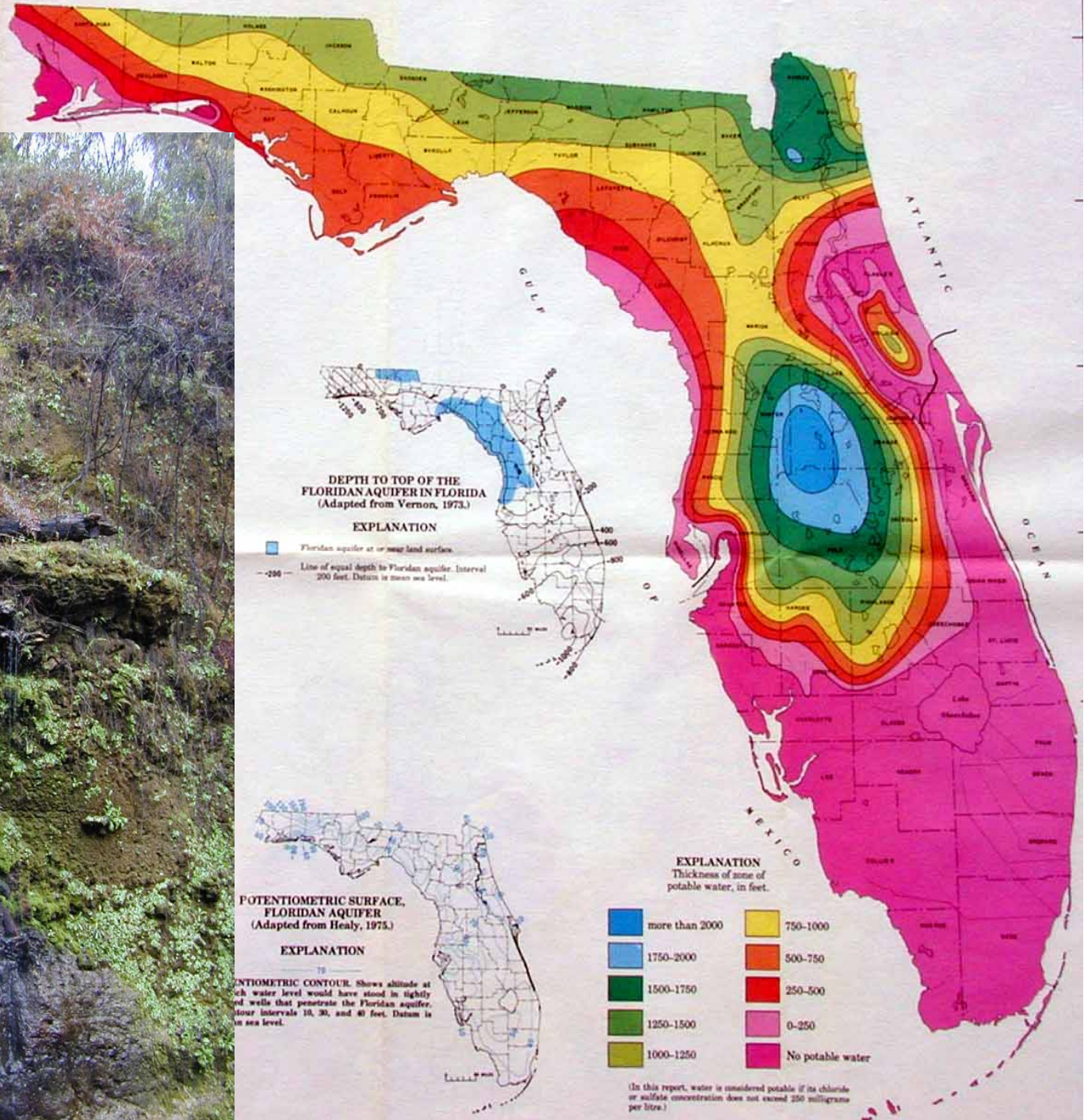




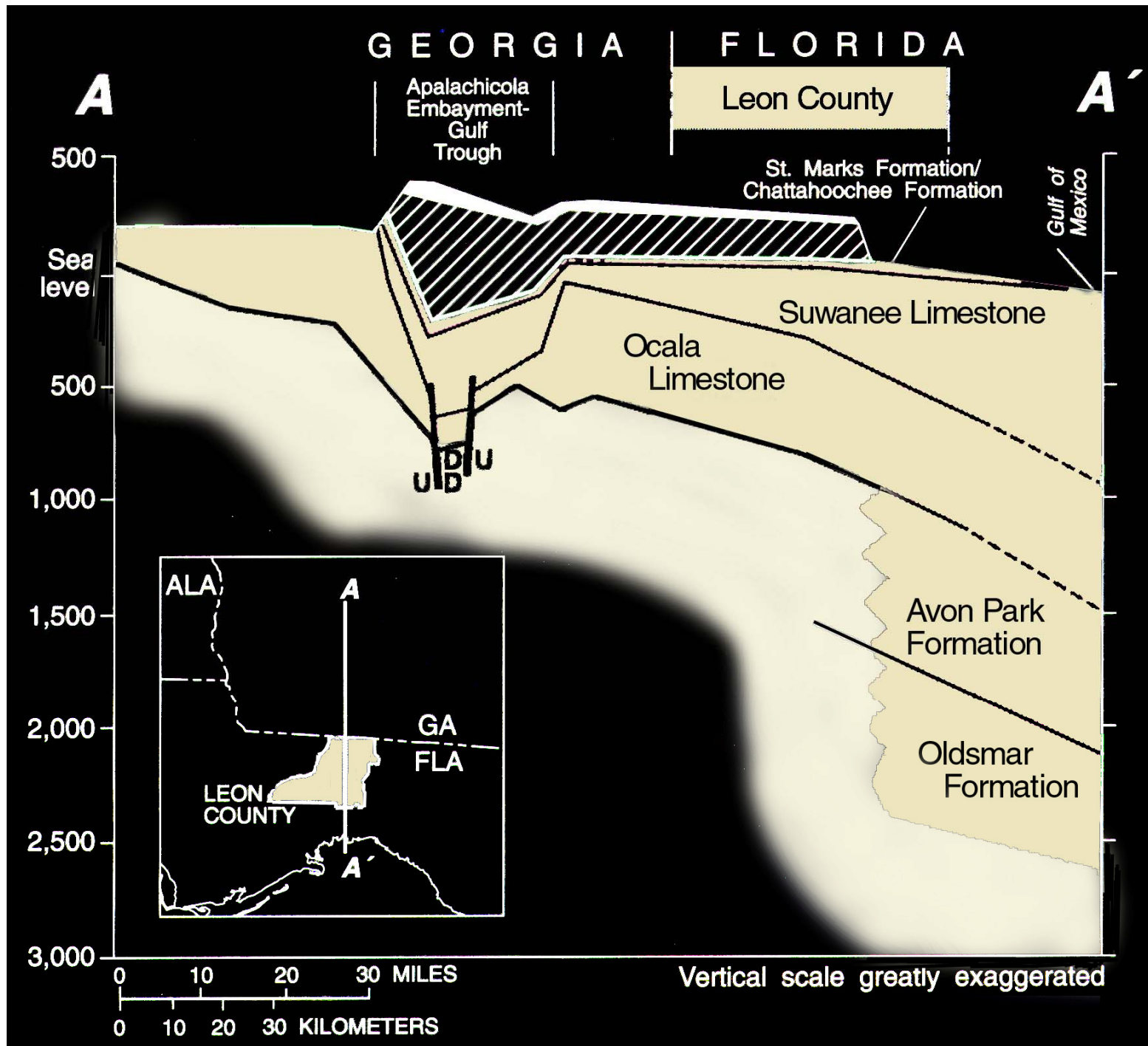


**THICKNESS OF THE POTABLE-WATER ZONE  
IN THE FLORIDAN AQUIFER**

by  
L. V. Cooney and G. W. Lewis  
Prepared by  
UNITED STATES GEOLOGICAL SURVEY  
in cooperation with  
FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION  
Bureau of Water Resources Management  
Tallahassee, Florida

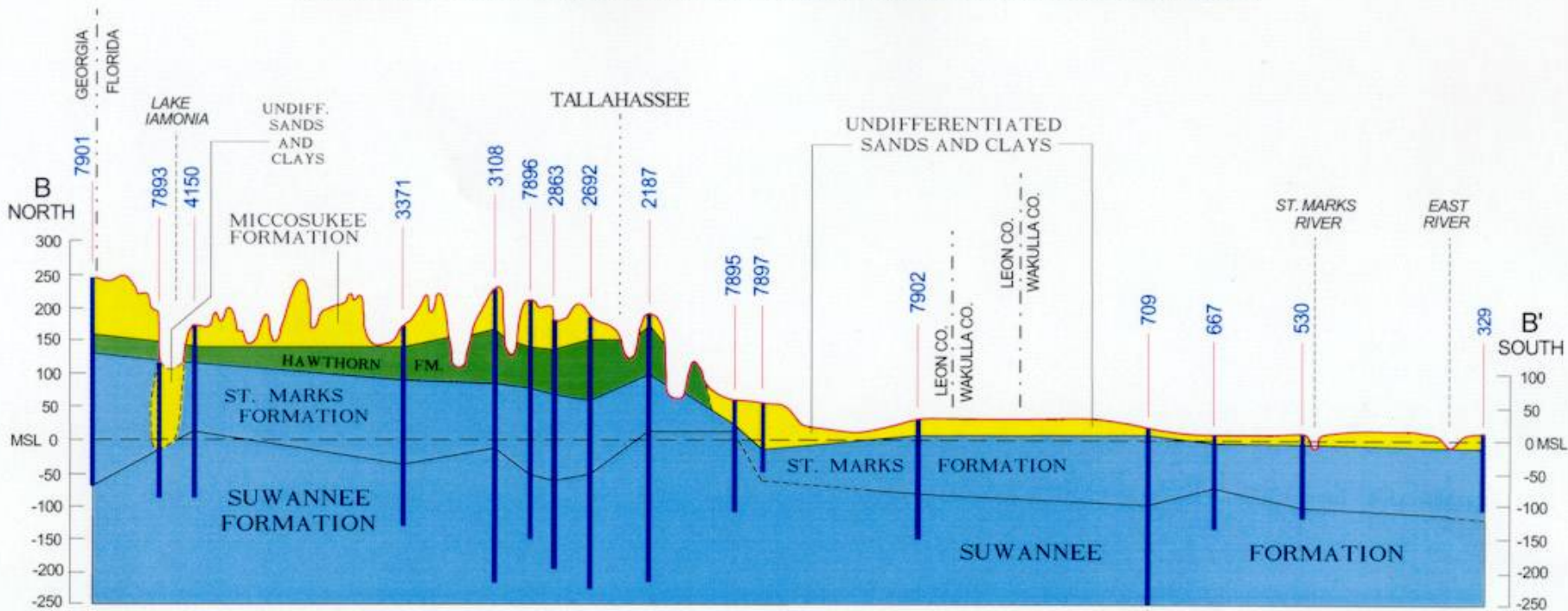








# GEOLOGIC CROSS-SECTION B-B' IN LEON AND WAKULLA COUNTIES

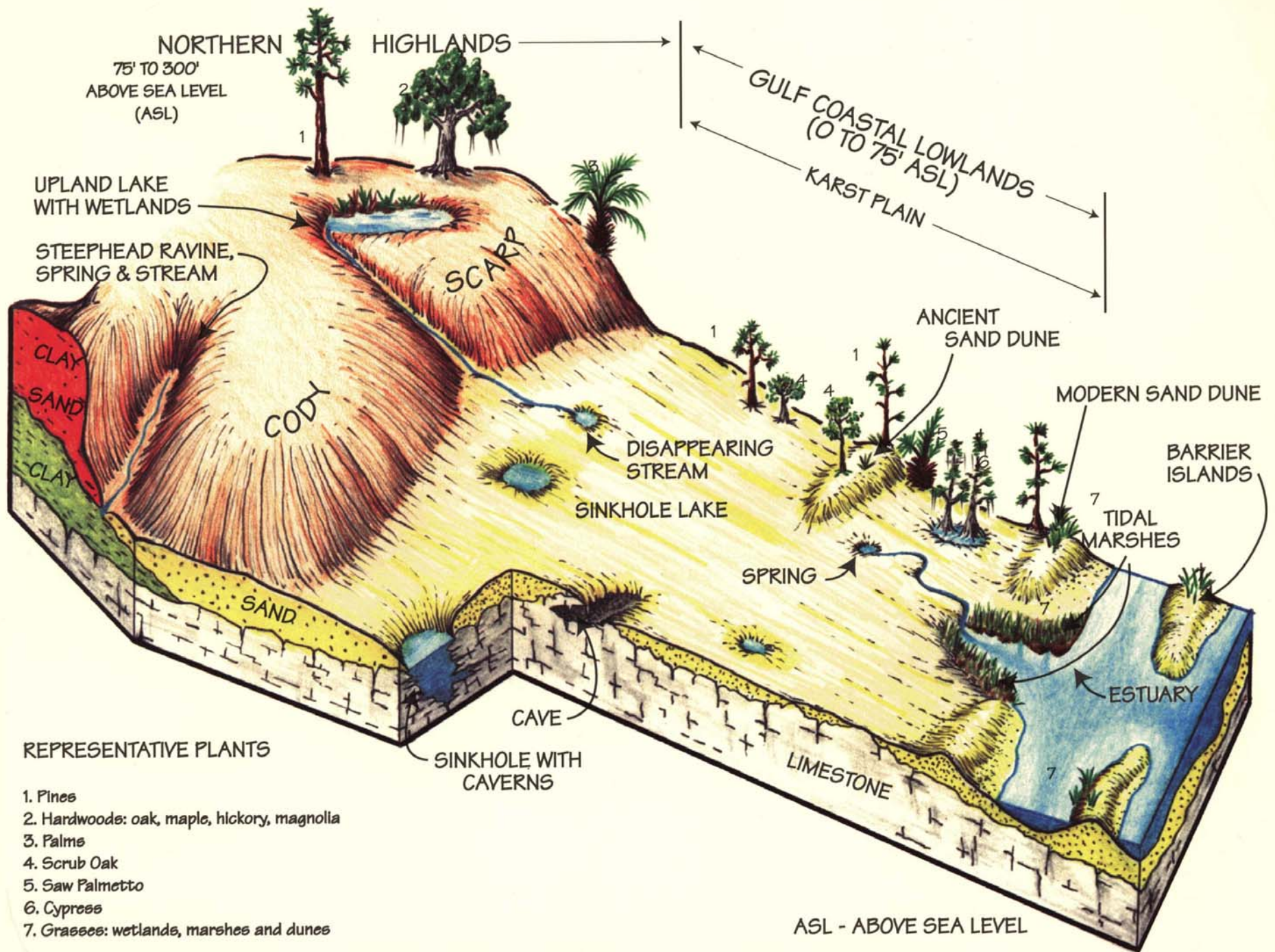


TD-2169'



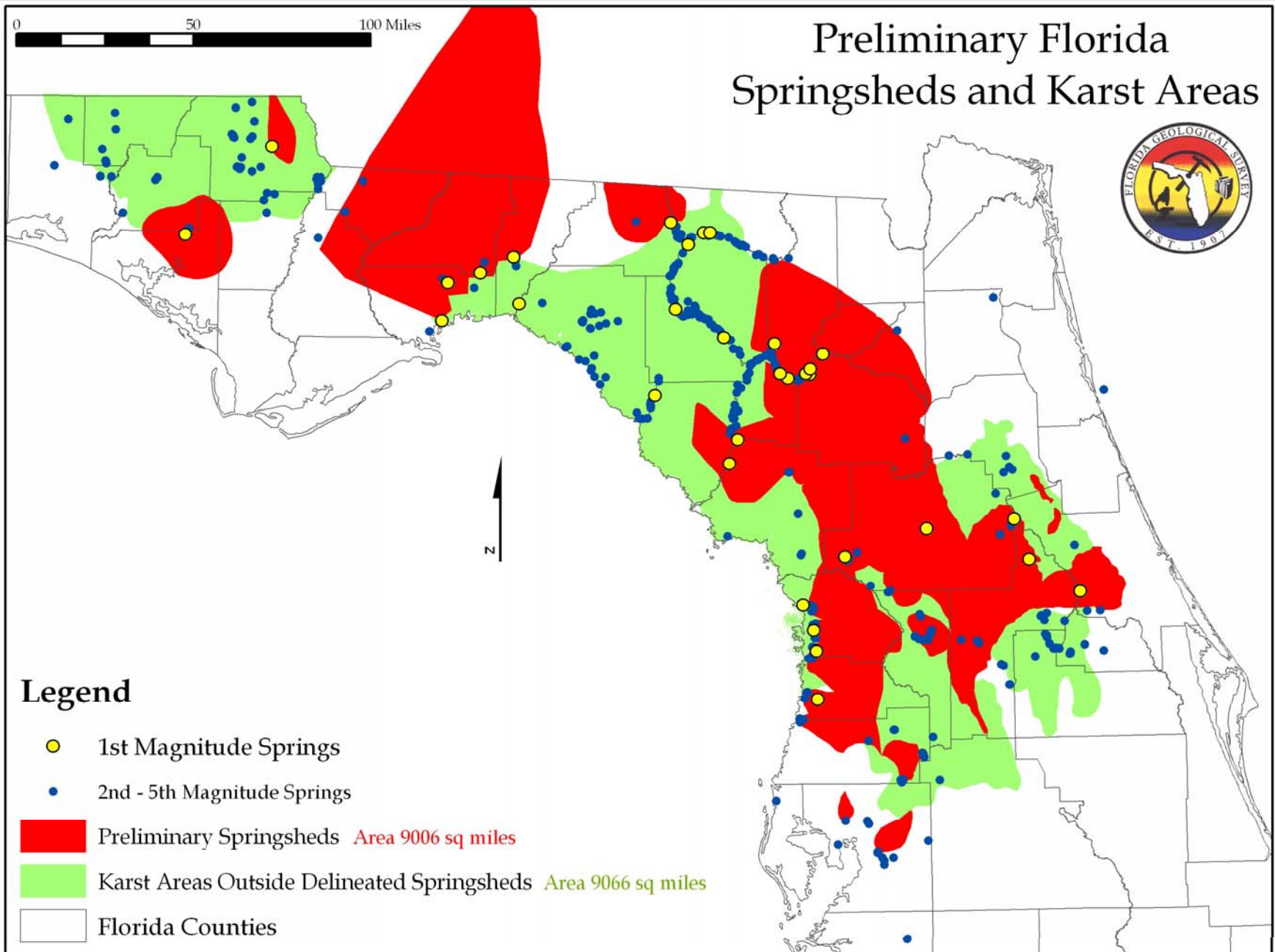
Source : Wakulla County - After Rupert and Spencer, Bulletin 60, Florida Geological Survey, 1988.  
 Leon County - After Hendry and Sproul, Bulletin 47, Florida Geological Survey, 1966.







# Preliminary Florida Springsheds and Karst Areas



Karst areas were derived from the statewide geomorphic map (Tom Scott, in press). Geomorphic units that were covered by a springshed or were not categorized as karst hills, karst plains, or karst hills & valleys were removed. Preliminary springsheds were compiled from Water Management Districts and the USGS.



# Sinks and Mapped Caves of the Woodville Karst Plain

