

PLATE 1B.—Configuration of the lower surface of the A2 regional aquifer and geology of the underlying confining units (C2 and uppermost C3)

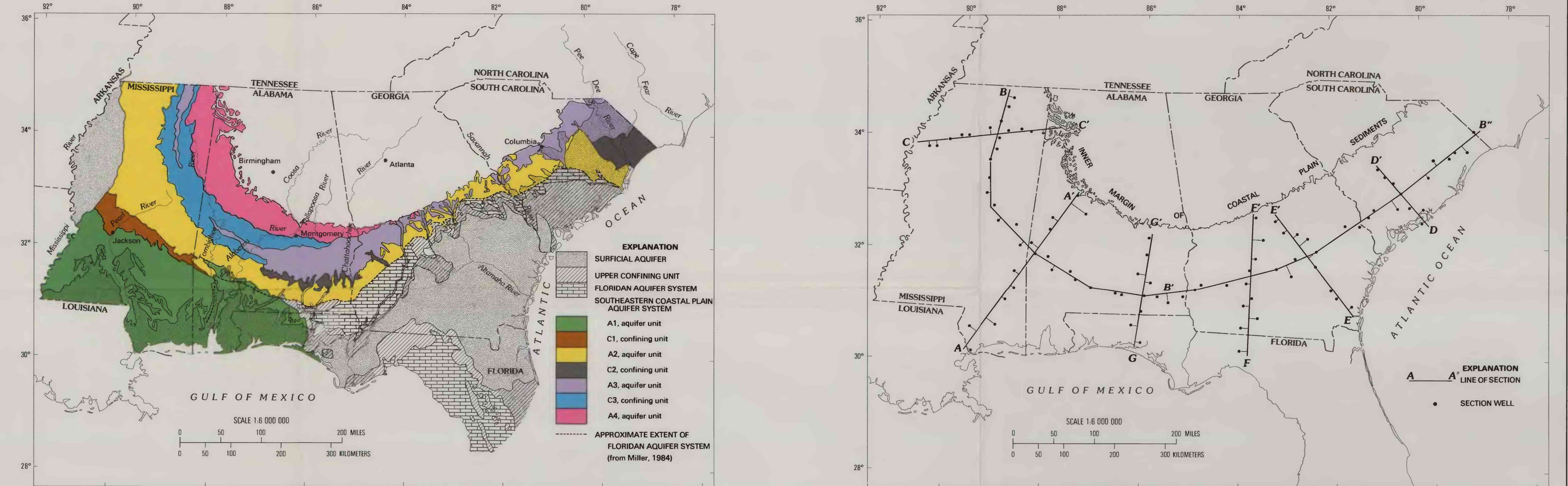


FIGURE 4.—Location of generalized hydrogeologic sections:

[illegible]

CONVERSION FACTORS

For use of readers who prefer to use metric units, conversion factors for terms used in this report are listed below.

<u>Multiply...</u>	<u>Lengths</u>	<u>To obtain...</u>
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
	<u>Area</u>	
square mile (mi ²)	2.590	square kilometer (km ²)

National Geodetic Vertical Datum of 1929 (NGVD) of 1929. A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called mean sea level.

Figure 1 is a geological cross-section diagram. The vertical axis represents depth in meters, ranging from 500 at the top to 7000 at the bottom, with major tick marks every 500 meters. The horizontal axis represents geological units. From top to bottom, the units are: 'Upper limit of aquifer not defined' (a thin layer at the surface), 'Gravelly sandstone' (a thick, light-colored unit), 'Siltstone' (a medium-thick, light-colored unit), 'Shale' (a thick, dark-colored unit), and 'Claystone' (a thick, dark-colored unit at the bottom). A 'Fault' is indicated by a dashed line that dips from the surface towards the right. A 'Well' is shown as a vertical line with a 'Casing' and 'Wellbore'. The 'Wellbore' is shown as a line that follows the 'Fault' and then continues vertically through the 'Shale' and 'Claystone' units. The 'Casing' is shown as a line that follows the 'Wellbore' and then continues vertically through the 'Siltstone' and 'Gravelly sandstone' units. The 'Upper limit of aquifer not defined' is shown as a line that follows the 'Wellbore' and then continues vertically through the 'Gravelly sandstone' unit.

[illegible][illegible]

EXPLANATION

- A1, aquifer unit
- C1, confining unit
- A2, aquifer unit
- C3, confining unit
- A4, aquifer unit
- BASE OF SYSTEM

AQUIFER-CONFINED RED BOUNDARY — Dashed where uncertain
TIME-STRATIGRAPHIC BOUNDARY — Dashed where uncertain

0 5 10 15 20 25 MILES
 0 5 10 15 20 25 30 35 40 KILOMETERS

VERTICAL SCALE (FEET) (UNMARKED)



FIGURE 5.—Generalized hydrogeologic section in western Alabama and southeastern Mississippi