

Figure 1. Composite potentiometric surface of the intermediate aquifer system.

EXPLANATION

MUNICIPAL WELL FIELD PRODUCING 50,000 GALLONS PER DAY OR MORE

POTENTIOMETRIC CONTOUR -- Shows altitude at which water would have stood in tightly cased wells. Contour intervals are 5 and 10 feet. National Geodetic Vertical Datum of 1929. Hatchures indicate depressions. Dashed where approximately located.

BOUNDARY OF SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

APPROXIMATE NORTHERN BOUNDARY OF THE INTERMEDIATE AQUIFER

APPROXIMATE BOUNDARY OF THE TAMIAHI-UPPER HAWTHORN AQUIFER

OBSERVATION WELLS -- Large number identifies hydrograph. Small number is altitude of water level in feet above or below NGVD of 1929.

SPRING

NOTE: The potentiometric contours are generalized to portray synoptically the head in a dynamic hydrologic system, taking due account of the variations in hydrogeologic conditions, such as differing depths of wells, non-simultaneous measurements of water levels, variable effects of pumping, and changing climatic influence. The potentiometric contours may not conform exactly with individual measurements of water level.

WATER LEVEL, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929

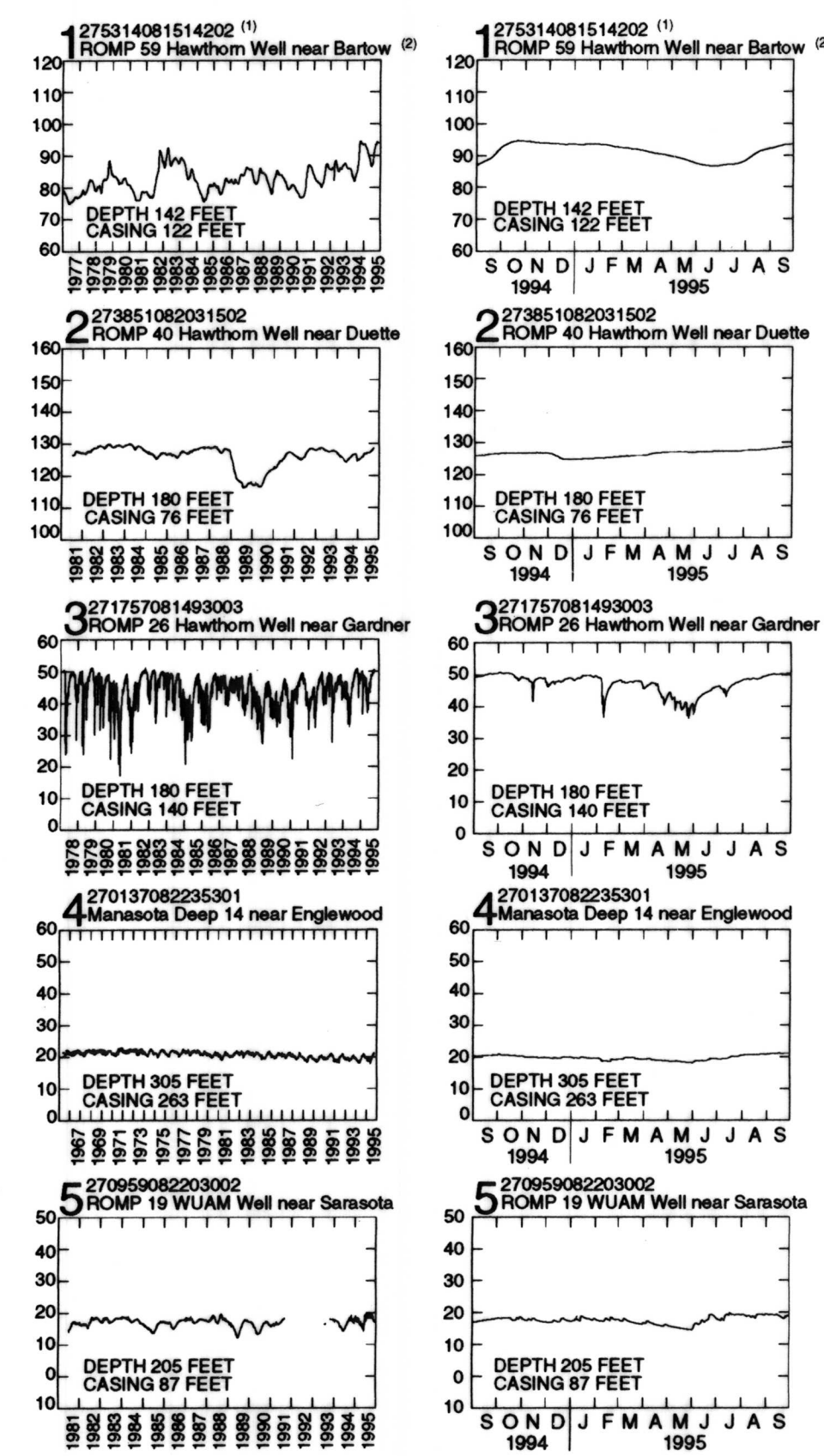


Figure 3. Maximum daily water levels in selected wells open to the intermediate aquifer system.

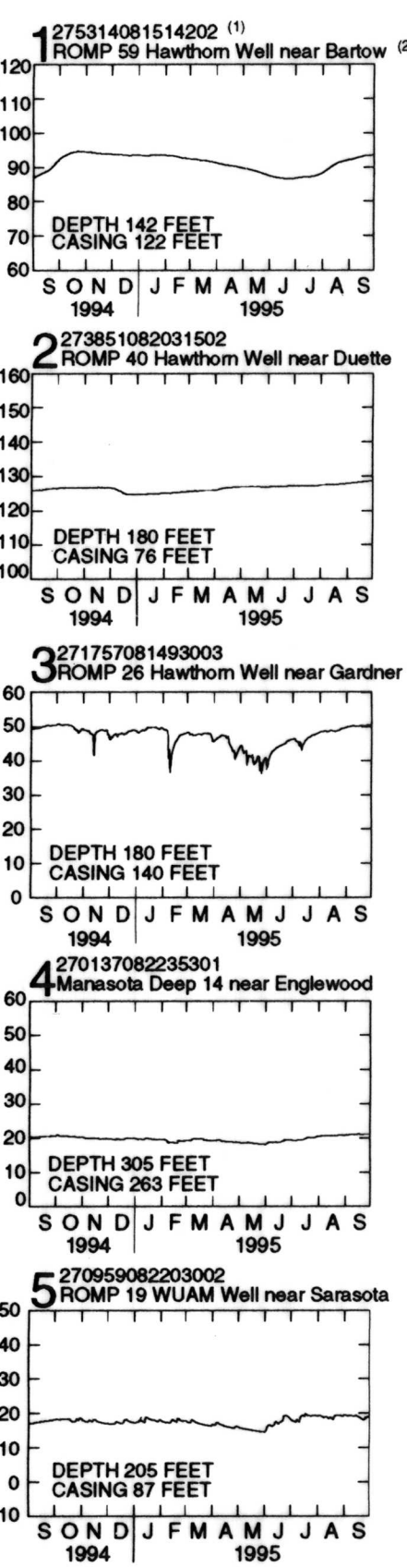


Figure 4. Maximum daily water levels in selected wells from September 1994 to September 1995.

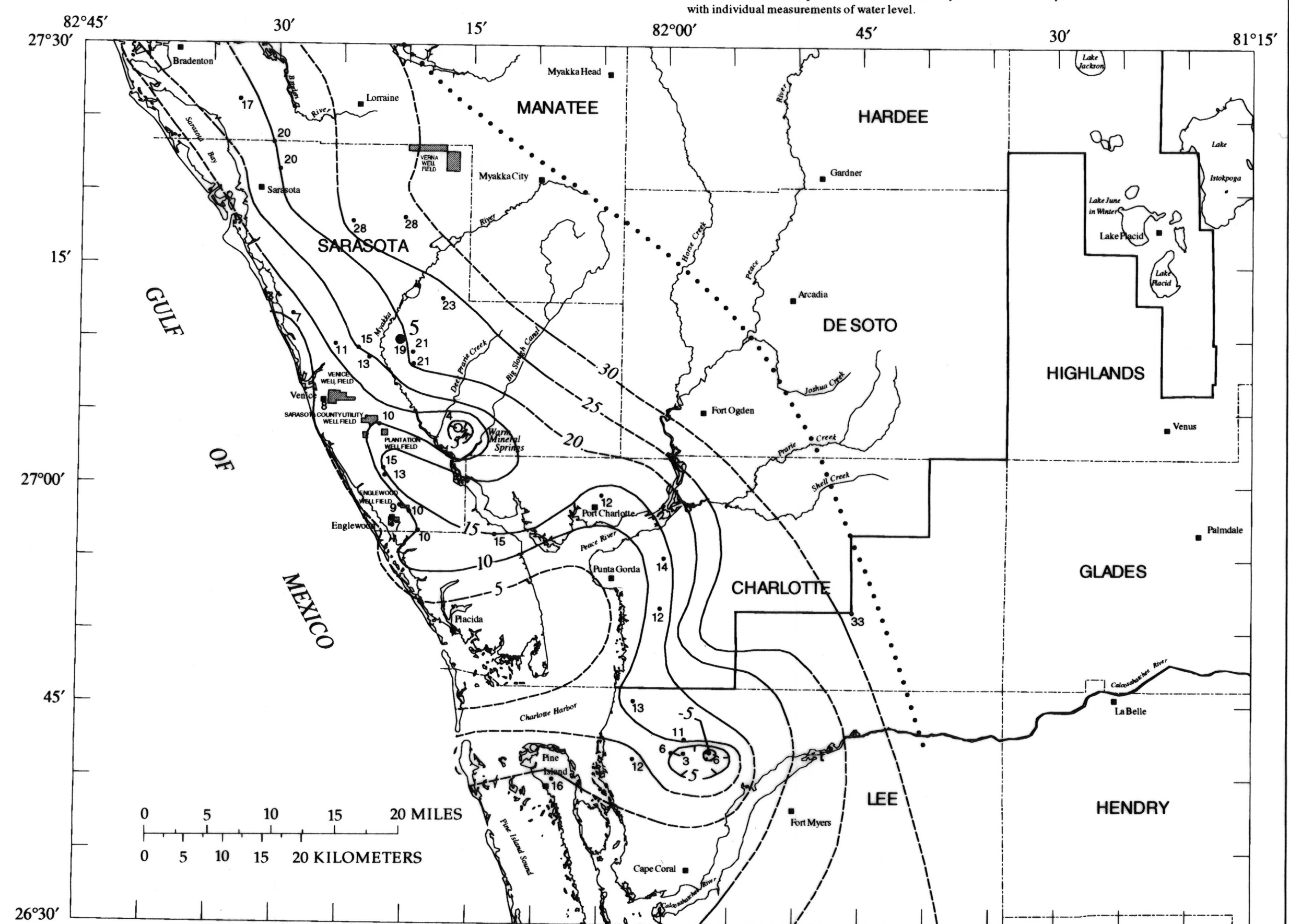


Figure 2. Potentiometric surface of the Tamiami-upper Hawthorn aquifer.

POTENTIOMETRIC SURFACES OF THE INTERMEDIATE AQUIFER SYSTEM, WEST-CENTRAL FLORIDA, SEPTEMBER 1995

By P. A. Metz, E. S. Swenson, and K. A. Stelman

1996