

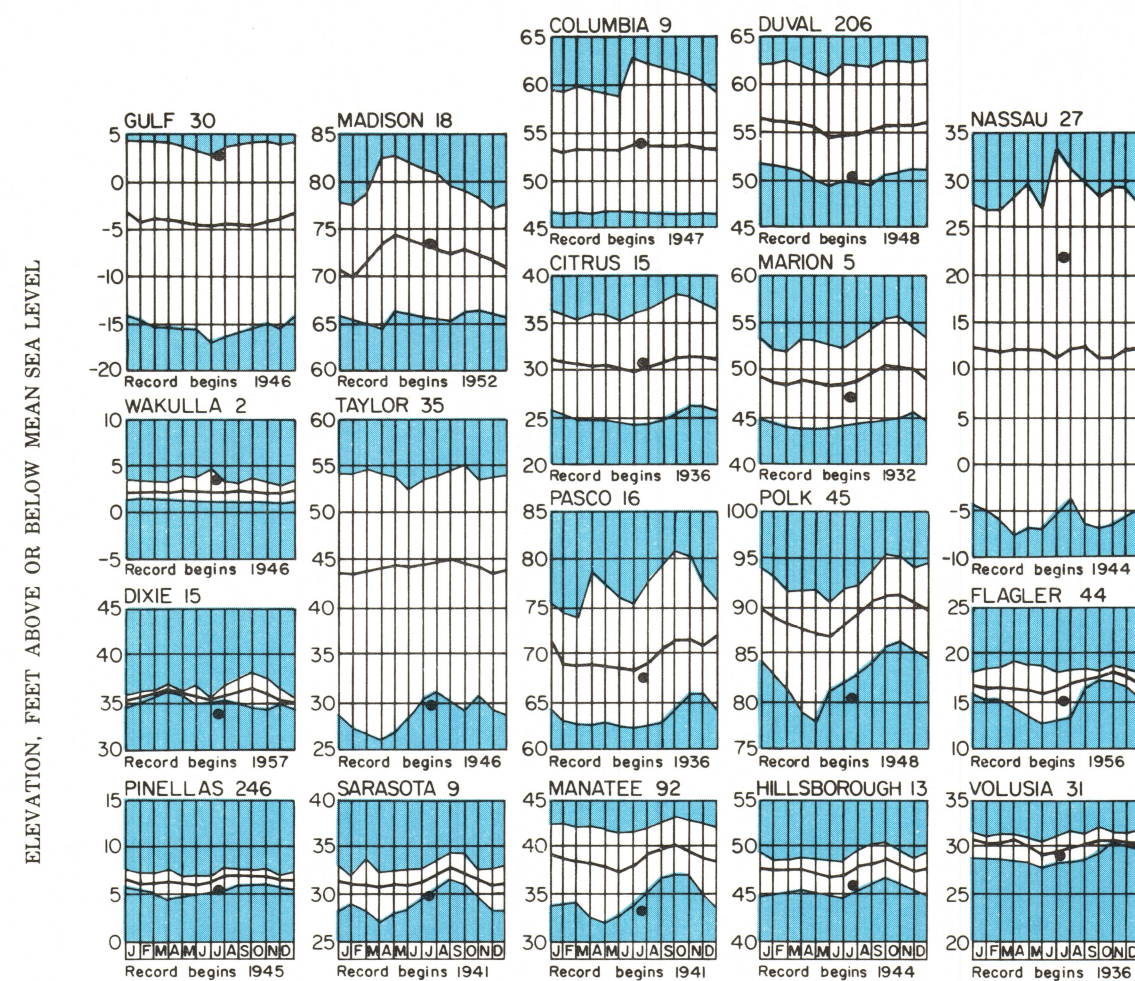
**PIEZOMETRIC SURFACE AND AREAS OF ARTESIAN FLOW
OF THE FLORIDAN AQUIFER IN FLORIDA
JULY 6-17, 1961**

By
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HYDROGRAPHS SHOWING HIGH, LOW, AND AVERAGE MONTH-END WATER LEVELS.



EXPLANATION

Unshaded portion shows highest and lowest month-end water levels of record through 1960. Solid line represents the average month-end water level for period of record. Dot represents the water-level measurement of the piezometric surface during July 6-17, 1961.

Note: Hydrographs are identified by county and well number. Water levels in the following wells are affected by nearby pumping: Citrus 15, Duval 206, Gulf 30, Manatee 92, Nassau 27, and Taylor 35.

EXPLANATION

18
Number of control wells measured in each county, July 6-17, 1961. Total number of wells measured, 683.

Water levels in Leon and Jefferson Counties furnished by the Division of Geology; levels in Osceola County furnished by Division of Water Resources and Conservation, Florida Board of Conservation.

Blue areas have detailed piezometric maps available from areal investigations. These maps were adjusted to July 6-17, 1961, on basis of control wells.

**DEPARTMENT OF NATURAL RESOURCES
BUREAU OF GEOLOGY**

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EXPLANATION

● Observation well
(Hydrographs are shown for these selected wells)

130

Contour represents the height, in feet referred to mean sea level, to which water would have risen in tightly cased wells that penetrate the major water-bearing formations in the Floridan aquifer, July 6-17, 1961.

Contour interval 10 and 20 feet, changing at mean sea level.

Area of artesian flow

Extent and distribution of flow areas vary with fluctuations of the piezometric surface, particularly in areas of heavy pumping. Relatively small areas of artesian flow are not included immediately adjacent to and paralleling the coast and many of the major rivers and springs.

0 10 20 30 40 50 MILES

