



County of Volusia, Florida
Division of Environmental Management

Groundwater Report

RAINFALL IN MARCH WELL BELOW NORMAL

APRIL 2020

In March, below-normal rainfall was received in Daytona Beach and DeLand. DeLand received 0.30 inches (4.00 inches below normal) of rain while Daytona Beach also reported 0.30 inches (3.94 inches below normal).

Rainfall in March resulted in a twelve-month average rainfall surplus of 4.82 inches. The surplus in February was 5.44 inches so 0.62 inches of rain was lost on the 12 month average. Normal annual rainfall for Volusia County is 53.83 inches.

Forecasts call for normal precipitation in April combined with above normal temperatures. Normal precipitation in April for DeLand and Daytona Beach is 2.66 inches and 2.18 inches respectively.

El Niño Southern Oscillation (ENSO) neutral is expected to continue through summer 2020. NOAA predicts above normal temperatures and above normal precipitation for Volusia County through June 2020.

Five of the 39 monitoring wells were below baseline in March compared to two below baseline in February. Comparing March well levels to February well levels, 2 monitoring wells were up and 37 were down.

Blue Spring was measured on March 19. The flow was 94.4 million gallons per day (146 CFS), which is 1.94 million gallons per day (3 CFS) more than the last measurement taken on February 26. The measurement also indicates that Blue Spring was flowing above its baseline low of 119 CFS but below the Minimum Flow and Level of 148 CFS.

The Keetch Byram Drought Index was 463 on March 31. This is 222 points higher than the level of 241 on February 29 and 163 points higher than the level of 300 one year ago. The KBDI has a scale of zero to 800 with zero being wet and 800 representing desert-like conditions.

For more details on the groundwater report and for more information on water resources in Volusia County, please visit our website:

www.volusia.org/water-conservation

