



County of Volusia, Florida
Division of Environmental Management

Groundwater Report

RAINFALL BELOW NORMAL, MOST WELLS DOWN

MARCH 2022

In February, DeLand received 1.30 inches (1.14 inches below normal) of rain while Daytona Beach reported 1.12 inches (1.22-inches below normal).

Rainfall in February resulted in a twelve-month average rainfall deficit of 2.76-inches. There was a surplus in January of 0.25-inches. Normal annual rainfall for Volusia County is 53.37 inches.

Forecasts call for below normal precipitation in March combined with above normal temperatures. Normal precipitation in March for DeLand and Daytona Beach is 3.54-inches and 3.63-inches respectively.

El Niño Southern Oscillation (ENSO): La Niña conditions are favored to continue through March to May, transitioning to ENSO-Neutral in May to July 2022. NOAA predicts above normal temperatures and below normal precipitation for Volusia County through May 2022.

Comparing February well levels to January well levels, 8

monitoring wells were up and 31 were down. Surficial aquifer wells dropped an average of 0.24-feet and Floridan aquifer wells dropped an average of 0.47-feet.

Blue Spring was measured on February 17. The flow was 103.45-million gallons per day (160 CFS), which is 1.29-million gallons per day (2 CFS) higher than the last measurement taken on January 21. The measurement also indicates that Blue Spring was flowing above its baseline low of 119 CFS and above the Minimum Flow and Level of 148 CFS.

The Keetch Byram Drought Index was 286 on February 28. This is 94 points higher than the level of 192 on January 31 and 122 points higher than the level of 164 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

