



County of Volusia, Florida
Division of Environmental Management

Groundwater Report

RAINFALL IN AUGUST WAS VARIABLE

SEPTEMBER 2020

In August, DeLand received 14.14 inches (6.32 inches above-normal) of rain while Daytona Beach reported 5.50 inches (0.90-inches below-normal).

Rainfall in August resulted in a twelve-month average rainfall surplus of 4.23-inches. The surplus in July was 1.24 inches. Normal annual rainfall for Volusia County is 53.83 inches.

Forecasts call for above-normal precipitation in September combined with above-normal temperatures. Normal precipitation in September for DeLand and Daytona Beach is 7.60-inches and 6.96-inches respectively.

El Niño Southern Oscillation (ENSO): La Nina is expected to develop in fall 2020 and continuing through winter 2020-21. NOAA predicts above normal-temperatures and above-normal precipitation for Volusia County through November 2020.

Comparing August well levels to July well levels, 37 monitoring wells were up, two were down.

Blue Spring was measured on August 24. The flow was 99.57-million gallons per day (154 CFS), which is 4.53-million gallons per day (7 CFS) higher than the last measurement taken on July 22. 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 103 on August 31. This is 41 points higher than the level of 62 on July 31 and 91 points lower than the level of 194 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

