



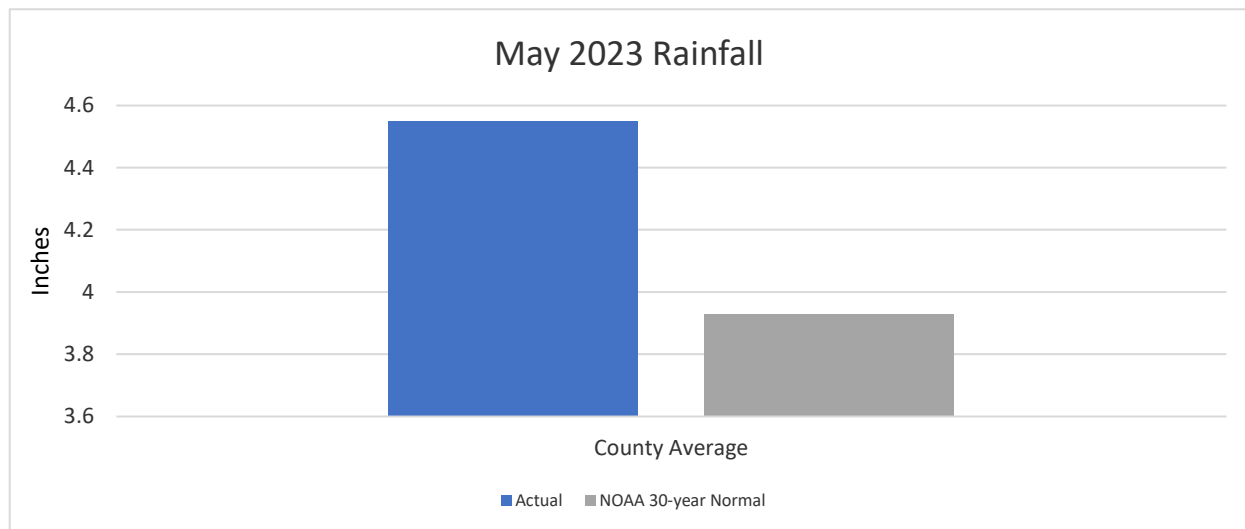
May 2023 Groundwater Report

NOTE: This report contains hydrogeological data from the month of April, which is the most recent data available.

Rainfall Summary

In April, Volusia County received an average of 5.11 inches of rain compared to the normal amount of 2.35 inches, resulting in a surplus for the month of 2.76 inches. Volusia County's current 12-month average rainfall is 58.29 inches, compared to the normal of 53.4 inches (a 4.89-inch surplus for the year).

The monthly rainfall average (actual rainfall) is obtained from Volusia County Fire Rescue. The monthly normal rainfall is obtained from historic NOAA rainfall data.



The Keetch Byram Drought Index (KBDI) decreased 225 points from March 31, 2023, to a value of 254 on April 30, 2023. In April 2022, the KBDI was 246. The KBDI has a scale of zero to 800 with zero being wet and 800 representing desert-like conditions.

Forecasts call for above normal precipitation in May combined with above normal temperatures. ENSO-neutral conditions are ending and El Nino conditions are expected to persist through the Northern Hemisphere winter, with NOAA predicting above normal temperatures and above normal precipitation for Volusia County through July.

Well Levels

Monitoring well levels in the surficial aquifer fell an average of 0.10 feet and Floridan aquifer wells fell an average of 0.14 feet compared to March levels. Of the 39 wells measured, 11 were up and 28 were down. Well levels are observed on or about the 25th of each month.

Aquifer levels fluctuate throughout the year, with the lowest levels typically in the month of May, reflecting lower rainfall amounts from the dry season. The highest levels typically occur in September, reflecting recharge from the summer wet season.

Blue Spring

The flow measured at Blue Spring on April 14 was 93.34 million gallons per day (149 cubic feet per second), which is 15.93 million gallons per day (20 cubic feet per second) lower than the last measurement taken on March 21. The measurement indicates that Blue Spring was flowing above its baseline low of 119 cubic feet per second and above the required Minimum Flow and Level of 148 cubic feet per second.

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, or contact Tom Carey at tcarey@volusia.org