



# Little Blue Natural Resources District

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Spring water levels were completed in mid-April this year. Geologic Area 1 (Figure 1) was up 2.49 feet, Geologic Area 2 (Figure 2) up 1.88 feet. Area 2, the paleo-valley aquifer from Chester to Fairbury, seems to always lag some in water level change either way as compared to Area 1. The colored backgrounds of the graph represent the colored area on the map.

The graphs depict the weighted average change for each Geologic Area, each are a significant rise for 2020. The +2.49 and +1.88 numbers are found on the color change map (Figure 3).

On the color change map there were large areas by Blue Hill and Davenport with very significant rises, but those large numbers are not found in Geologic Area 2.

The last bar chart (Figure 4) has the water level changes from spring to fall, and then again from fall to spring. Spring to Fall change is always represented in red and 96% of the time is a decline. This data is not used for tracking levels, but an interesting graphic shows up in 1993 and 2019. In both those years the water table rose, but in 1993 and 2019 spring to fall levels showed a rise.

Therefore, last year's rise of 2.49 feet was very significant, only exceeded by a spring to spring rise in 1994 of 3.12 feet.

Figure 1

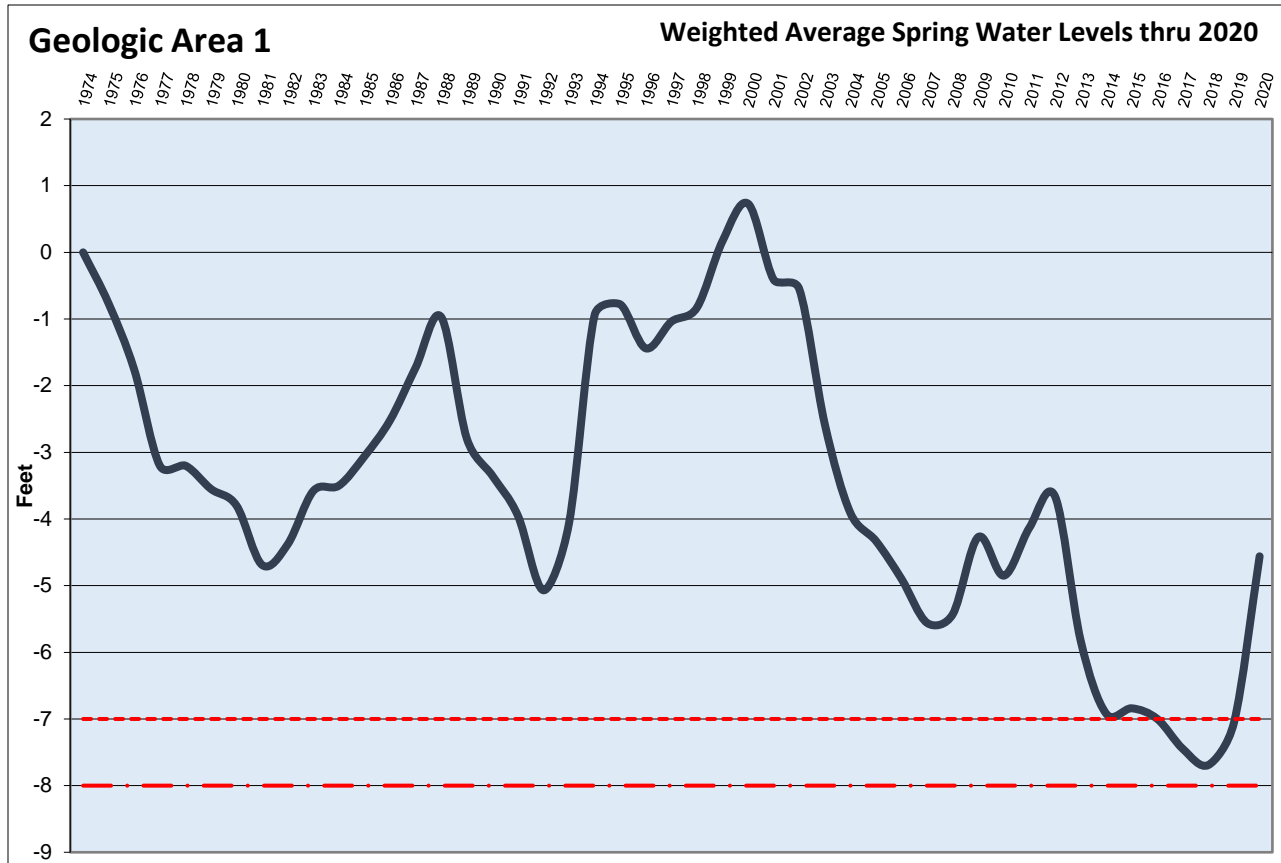


Figure 2

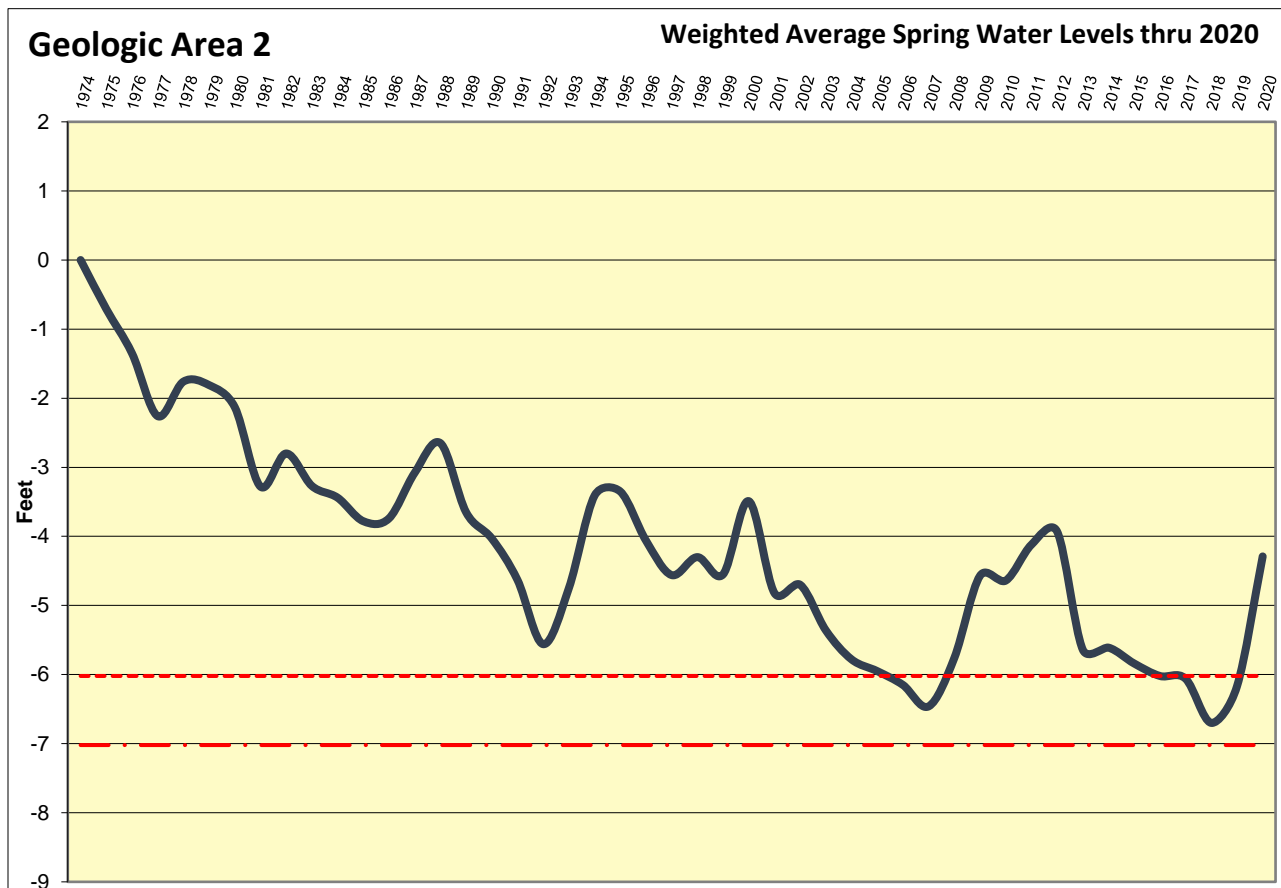


Figure 3: Spring Static Groundwater Levels

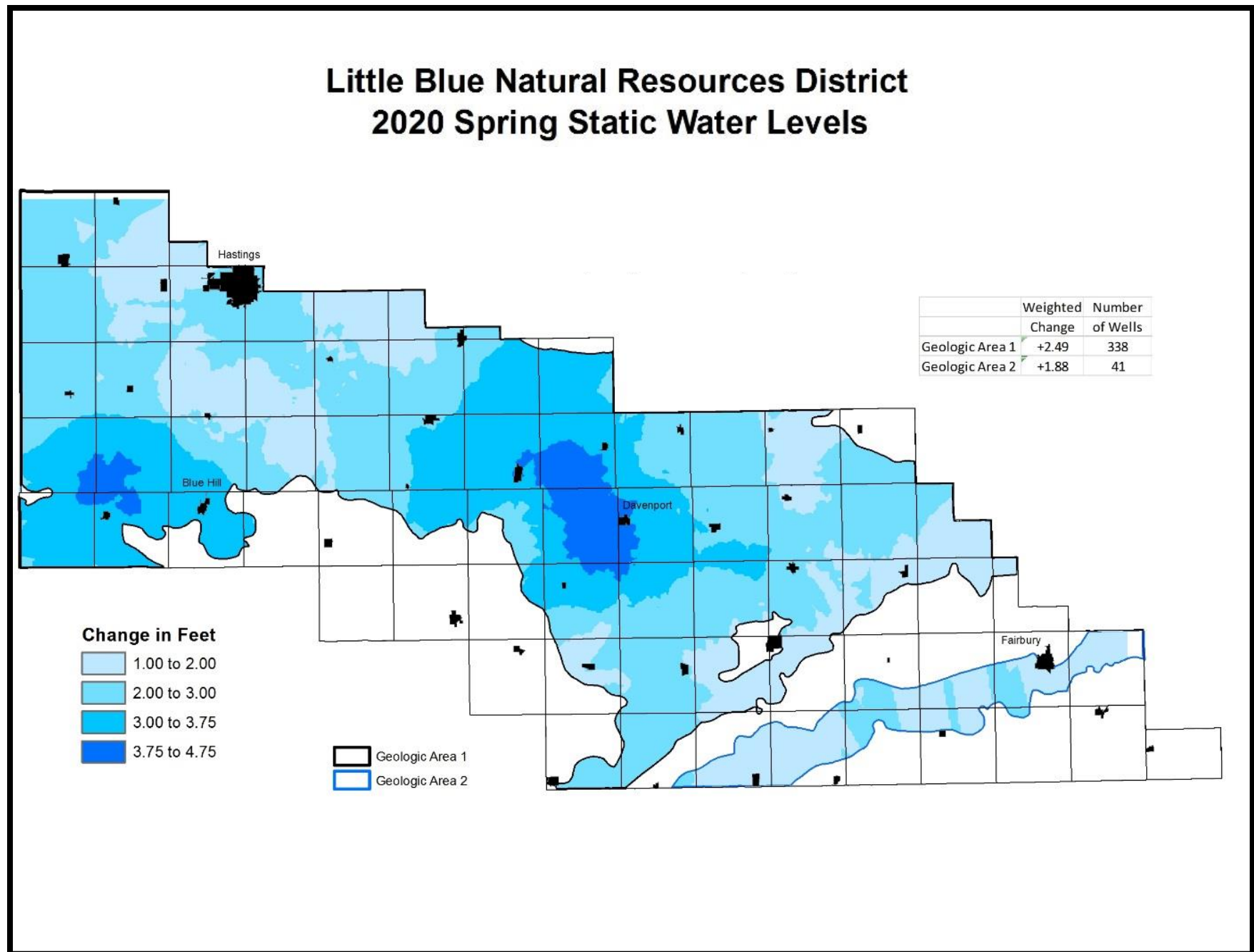


Figure 4: Spring to Fall & Fall to Spring

