

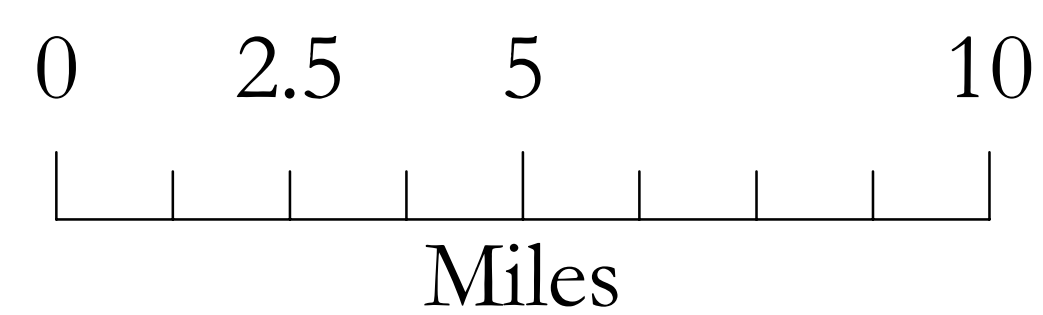
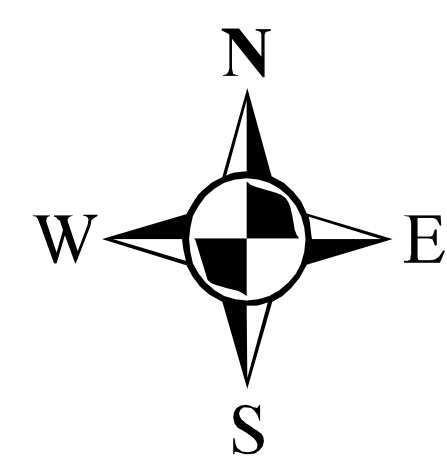
Columbia County Floridan Aquifer System Protection Zone Map

Generalization of the Columbia County Aquifer Vulnerability Analysis Results

The Aquifer Protection Zone was derived from the Columbia County Aquifer Vulnerability Assessment (CCAVA) and report titled "Columbia County Aquifer Vulnerability Assessment: A Groundwater Protection and Management Tool." Prepared for the Suwannee River Water Management District by Advanced GeoSpatial Inc. in fulfillment of SRWMD Contract No. 08/09-057.

The Protection Zone delineation was completed and then supported by generalizing the CCAVA model results using several raster filtering techniques. This map is a derivative product of the original analysis and is not intended to replace the model results. One of those techniques applied to the model output was to utilize a Focal Majority filter of the entire raster at a resolution of 1,140 feet by 1,140 feet. This number represents approximately one quarter of the recommended 4,500-ft by 4,500-ft view window scale that was noted in the CCAVA report. The application of this filter on the CCAVA output resulted in a smoothed and generalized output that reduced the significance of local variations in the input layers and anomalous cells. This process further enhanced the larger contiguous areas which occur primarily in the south and southwestern most portions of the county.

- 1st Magnitude Springs
- + Swallets
- Interstates
- State Roads
- County Roads
- US Roads
- Water
- Rivers
- Urban Areas
- State Lands
- County Boundaries
- Generalized Protection Zones**
- More Vulnerable
- Vulnerable
- Less Vulnerable



For additional information regarding this project please refer to the associated report and interpretive poster, both titled "Columbia County Aquifer Vulnerability Assessment: A Groundwater Protection and Management Tool."

Prepared for the Suwannee River Water Management District by Advanced GeoSpatial Inc. in fulfillment of SRWMD Contract No. 08/09-057, May 30, 2009.

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