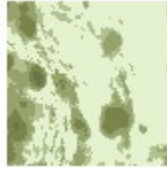


Depth-to-the-water-table map for Town of Lincoln, Kewaunee County, Wisconsin; depth-to-water-table raster (2017; 1:50,000 scale; tol_dtw)

Raster Dataset



Tags

Town of Lincoln, Kewaunee County, Wisconsin, groundwater, hydrogeology, depth to water table

Summary

These data accompany the Wisconsin Geological and Natural History Survey (WGNHS) Open-File Report 2017-05. The raster presented in map 5 of this report, "Depth to water table" was developed by subtracting the water-table-elevation DEM from land-surface elevation DEM and is considered a companion map to map 4 of Open-File Report 2017-05.

Description

Map 5 of WGNHS Open-File Report 2017-05, shows the depth to water table in the Town of Lincoln. Each DEM cell represents the average depth to water table in feet.

Areas where the depth to water table are negative are considered to be flooded and should be treated as if groundwater is at or near land surface. Flooded areas were included in the range of < 10 feet below land surface in map 5 ("Depth to water table"). This occurs due to two main factors: 1) the averaging that occurs over the size of a DEM cell when raster math is performed to subtract water-table elevation from land-surface elevation and 2) the GFLOW model result which represents a relatively smooth water-table elevation and does not account for topographic features.

More details about the depth-to-water-table map are included in the following report: Parsen, M.J., Mael, S.W., Streiff, C.M., 2017, Hydrogeological characterization of the Town of Lincoln, Kewaunee County, Wisconsin: Wisconsin Geological and Natural History Survey Open File Report 2017-05.

Credits

This project was completed by the Wisconsin Geological and Natural History Survey (WGNHS), UW-Extension, with support from the Town of Lincoln, Kewaunee County, Wisconsin.

Use limitations

This dataset was developed from sources of varying map scales and may not be accurate for site-specific applications without verification. These data represent work performed by the Wisconsin Geological and Natural History Survey.

Please contact gis@wgnhs.uwex.edu with any questions or comments.

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