

Water wells in the Town of Lincoln, Kewaunee County, Wisconsin; well point features (2017; 1:50,000 scale; tol_wellpoint.shp)

Shapefile



Tags

Town of Lincoln, Kewaunee County, well construction report, hydrogeology, geology, geologic, lithology, wells, groundwater, Wisconsin, WCR

Summary

These data accompany the Wisconsin Geological and Natural History Survey (WGNHS) Open-File Report 2017-05. This feature class provides estimated point locations of private and public drinking water wells. A portion of these well construction records are presented in map 3 of this report, "Input datasets for depth-to-bedrock" but the dataset also contains information about the geology and hydrogeology at each well location that was used to inform the water-table-elevation interpretation (map 4).

Description

This point feature class is comprised of the locations of private and public drinking water wells. The data is derived from Well Construction Reports (WCRs) submitted by well drillers to the Wisconsin Department of Natural Resources (WDNR) from approximately 1920 through 2015. Initial point locations are determined either using latitude / longitude coordinates, the street address of the property where the well is drilled, or the Public Land Survey System (PLSS) information recorded by the well driller. Each point is inspected individually, and in combination with the owner's name and/or the street or road where the well is constructed, each point is moved to the structure(s) referenced in the well construction report, and then given a "Location Confidence" (LocConf). The LocConf represents the estimated accuracy of the point location relative to the actual physical location of the well. After all the points have been individually inspected, an elevation value is attached to each point from the most accurate source available. For the Town of Lincoln wells the elevation of each point is derived from a 5-foot resolution lidar derived digital elevation model (DEM).

More details about the closed depression map and the modeling procedure to delineate closed depressions are included in the following report: Parsen, M.J., Mauel, 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.

Additional support from the Kewaunee County Land Information Office (LIO), as part of a separate county-wide well construction report compilation effort, contributed to the completion of this well database.

WCR database compilation and editing by C.W. Streiff and S.W. Mael.

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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