

Depth-to-bedrock map for Town of Lincoln, Kewaunee County, Wisconsin; supplemental data (2017; 1:50,000 scale; tol_bedsupdata.shp)

Shapefile



Tags

Town of Lincoln, Kewaunee County, Wisconsin, geology, hydrogeology, depth to bedrock

Summary

These data accompany the Wisconsin Geological and Natural History Survey (WGNHS) Open-File Report 2017-05. The data is presented in map 3 of this report, "Input datasets for depth-to-bedrock" and includes datasets collected by or under the direction of WGNHS staff for the purposes of informing the depth-to-bedrock interpretation. Not all input data shown in map 3 are contained in this dataset.

Description

Map 3 of Open-File Report 2017-05, shows the supplemental depth-to-bedrock data. The point feature class includes supplemental data that was collected by or under the direction of WGNHS staff over the course of this mapping project. These data include Geoprobe borings, shallow hand-auger and push-probe measurements, field observations of bedrock outcrops, surface geophysics measurements, and one geologic log.

More details about the depth-to-bedrock map and data inputs 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.

Fields:

SiteID: A unique site identifier assigned to each data point by WGNHS staff.

Acq__Type: Identifies the acquisition type used by WGNHS staff or contracted by WGNHS to obtain the data. Surface geophysical acquisition types included "EM-31" (Electromagnetic Terrain Conductivity Method), "ERI" (Electrical Resistivity Imaging), "GPR" (Ground Penetrating Radar) and "Passive Seismic" (Horizontal-to-vertical Spectral Ratio (HVSr) Passive Seismic). Other acquisition techniques included "Geoprobe" (subsurface borings obtained using a Geoprobe push-probe boring technology), "Hand Auger" (subsurface boring performed using manual auger equipment), "Rod – Manual" (manual push-probe), "Surface BR Observation" (visual observation of bedrock outcrop at land surface), and "Geologic Log" (Geological log on file at the WGNHS). Source: Identifies the source of data collection. All sources of data included in this point feature class was collected by or under the direction of Wisconsin Geological and Natural History Survey (WGNHS) staff and are labeled as "WGNHS".

Latitude: Latitude of the data point in decimal degrees.

Longitude: Longitude of the data point in decimal degrees.

Date: Date of data collection.

Elev_Ft: Elevation of the data collection point in feet.

Elev_M: Elevation of the data collection point in meters.

BR_Depth_M: Estimated depth to bedrock measurement using the specified acquisition type (refer to "Acq__Type" above) in meters.

BR_Depth_F: Estimated depth to bedrock measurement using the specified acquisition type (refer to "Acq__Type" above) in feet.

MinDepth: Indicates if the depth to bedrock measurement obtained for the specified geophysical acquisition technique represents a firm depth to bedrock estimate (i.e. "no") or a minimum depth to bedrock estimate (i.e., "yes"). In other words, a geophysical depth to bedrock measurement of 5 meters with a MinDepth of "no" indicates that the depth to bedrock is estimated to be 5 meters. By contrast, a geophysical depth to bedrock measurement of 5 meters with a MinDepth of "yes" indicates that the depth to bedrock is estimated to be at least 5 meters.

BRElev_M: Estimated depth to bedrock elevation in meters.

BRElev_Ft: Estimated depth to bedrock elevation in feet.

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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