

NR 151 Updates: Silurian Bedrock Standards

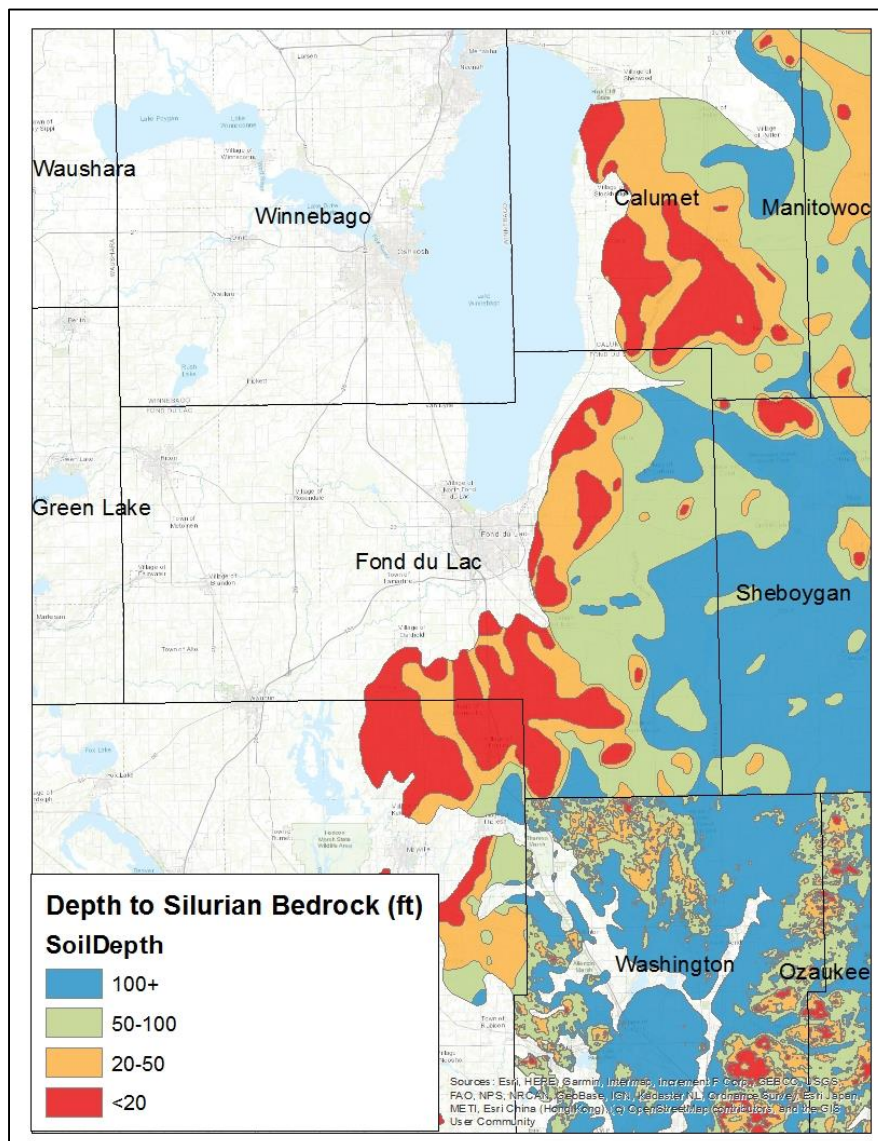
Silurian Bedrock

“Silurian bedrock” means the area in Wisconsin where the bedrock consists of Silurian dolomite overlain by soils of 20 feet or less. This area comprises portions of the following counties:

Brown, Calumet, Dodge, Door, Fond du Lac, Kenosha, Kewaunee, Manitowoc, Milwaukee, Outagamie, Ozaukee, Racine, Sheboygan, Walworth, Washington and Waukesha.

Areas where Silurian bedrock occurs in Wisconsin can be easily identified on SnapMaps. They can also be identified by the most current NRCS, WGNHS, or county maps and infield bedrock verification methods.

The map below shows generalized Silurian Bedrock areas in Fond du Lac County. A more detailed map is in development as the one below does not distinguish between depths less than 20'. SnapMaps will be updated as new information is available.



Performance Standard

- Prohibition of all manure with 0-2 ft to bedrock
- Bedrock verification using best available data either through maps or in field verification
- Pre-tillage requirements prior to liquid manure application
- Compliance options based on rates, timing, and pathogen reductions.
- Less restrictions as soil depth increases
- See summary for overview of rules, but contact your agronomist for more details

Summary of the Rule Revisions

Depth to Bedrock	Solid Manure	Liquid Manure
<2' Verification required	No mechanical application	No mechanical application
2'-3' Verification required	Incorporate within 72hr to ≤ 4" depth and; At least one of the following: a) Rate ≤ 15 T/acre b) Within 10 d planting or established crop c) Pathogens ≤ 500,000 CFU	Pre-tillage and; Inject or incorporate ≤ 4" depth within 24hr and; At least one of the following: a) Rate is lesser of UW A2809 or Table 1 b) Within 10d planting or established crop c) Pathogens ≤ 500,000 CFU
3'-5' Verification required	Same as above except ≤ 6" depth	Pre-tillage and; Inject or incorporate* ≤ 6" depth within 24hr and; Same as above
5'-20' No verification required	No new conditions proposed	Pre-tillage and; Inject or incorporate* ≤ 6" depth within 24hr and; Same as above

*not applicable if long-term pasture, perennial crop, or no-till system.