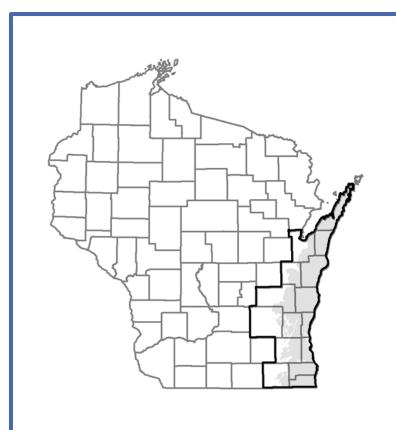


ATCP 50 – Implementing the Silurian Bedrock Performance Standard Stakeholder Engagement Meeting WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

February 24, 2022

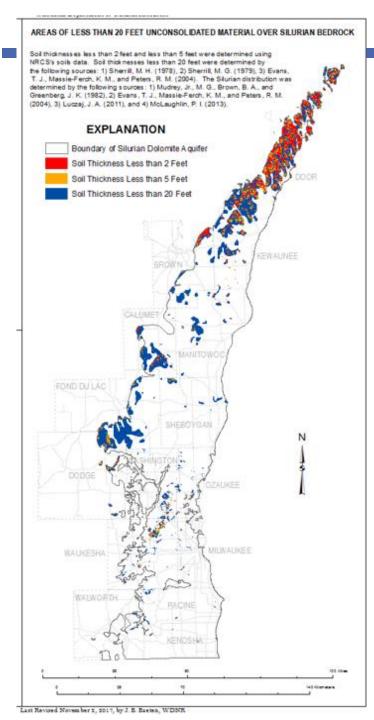


Silurian Bedrock Performance Standards:

I.) Applies to all crop producers and livestock producers in the Silurian Bedrock area.

2.) Mechanical manure applications may not cause the fecal contamination of a well.





Silurian Bedrock Performance Standards (continued):

3.) Mechanical manure applications are prohibited on 24 inches or less of soil to bedrock and apparent water table.

4.) Manure must be applied in accordance with a NMP (NR 151.07 & NRCS 590 2015)

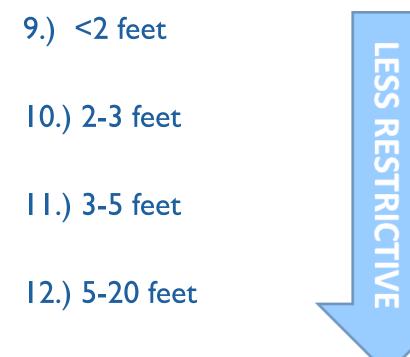


Silurian Bedrock Performance Standards (continued):
Areas where soil is less than 5 feet to Silurian Bedrock:
5.) Must be identified – infield verification OR existing maps/data.
6.) Must be ranked for risk of pathogen delivery to groundwater.
7.) Mechanical application is prohibited when soils are frozen or snow covered

8.) Mechanical applications is prohibited when rainfall >1" is forecasted within 24 hrs.



Silurian Bedrock Performance Standards (continued):





2016, spring injection into cover crop



Depth to bedrock	Solid manure conditions	Liquid manure conditions
<2' Verification Required ²	No mechanical application	No mechanical application
2'-3' Verification Required ²	<pre>Incorporate³ within 72 hrs 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>	Pre-tillage and; Inject or incorporate ⁴ ≤4"depth within 24hr and; At least one of the following: a) Rate is lesser of UW A2809 or Table 1, b) Within 10 d planting or established crop, C) Pathogens ≤ 500,000 CFU
3'-5' Verification required ²	Same as above except≤6" depth Pre-tillage and; Inject or incorporate ⁴ ≤6" depth within 24hr and; Same as above	
5'-20' No Verification required	No new conditions proposed	Pre-tillage and; Inject or incorporate ⁵ ≤ 6″ depth within 24hr and; Same as above



Silurian Bedrock Performance Standards (continued):

- 13.) Establishes horizontal setbacks for mechanical manure applications.
- 14.) Establishes restrictions when applying manure near closed depressions.

15.) Restrictions on fields with 6% or greater slopes and concentrated channels that drain to a closed depression.

16.) Manure must be land applied with minimal movement.



WHY ATCP 50?

- DATCP is required to adopt technical standards and conservation practices
 - DATCP 01 technical standard
 - New conservation practices
 - Dispute resolution process
 - Practitioner certification/training requirements and procedures
- DATCP is required to adopt cost-sharing rules
 SBPS has cost-sharing issues that need to be addressed
- Performance standard implementation issues Farmland preservation, ordinances



DATA AND MAPS

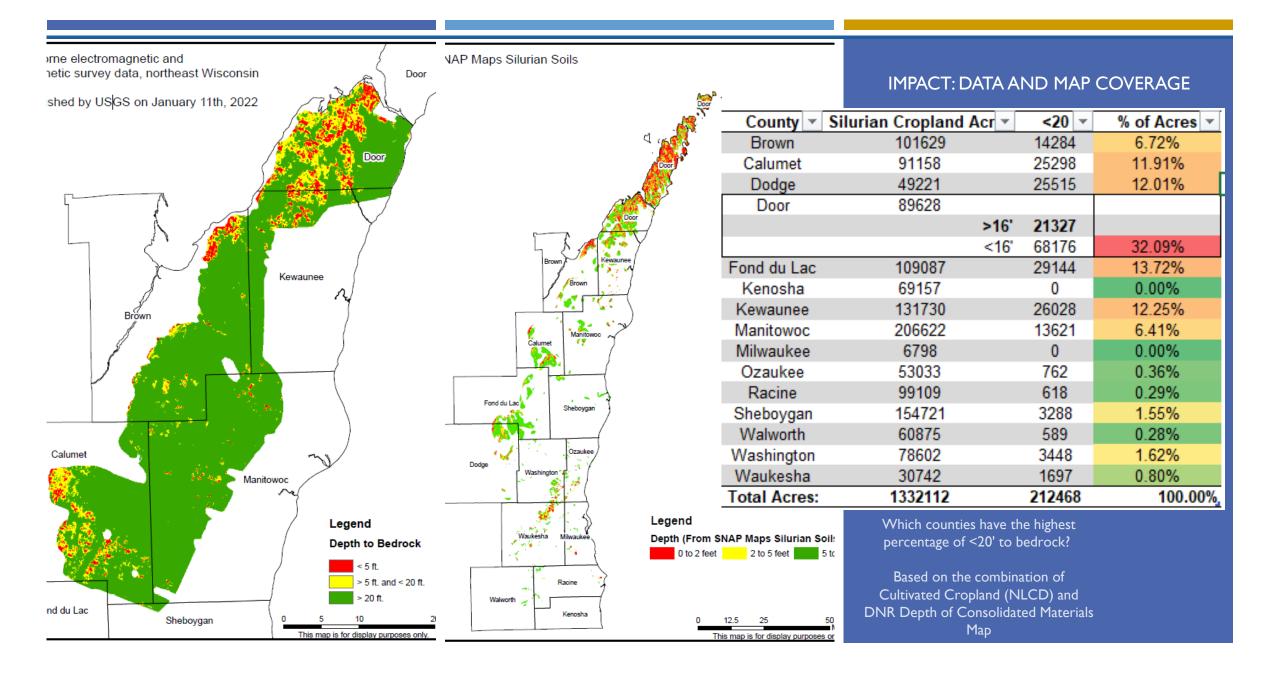
Existing

- SNAP Maps
 - Silurian 0-2, 2-5, 5-20
 - NRCS 590 Soils
 - P, R, N-Restricted, Wet, etc.
- NEWIAEM
- Depth of Consolidated Materials (DNR)

Needs?

- What mapping needs still exist and where?
 - Ie. 2-3' and 3-5' do not exist currently.
- How good is the existing data?
- What do we do with future and updated data?







SILURIAN NM PLANNING CONSIDERATIONS

Criteria	Current Rule	Silurian Rule
Bedrock 0-2'	No spreading in Feb/Mar	Complete prohibition
Wet Soils (W)	Limited to 120# N or A2809 Recs (lesser of)	No mech apps with <24" to apparent water table
Direct Conduits to GW	300' Buffer	300' upslope, 100' downslope
Bedrock 2-5'	NA	2-3, and 3-5 restrictions



Matt Woodrow, Cody Calkins, Jenni Heaton-Amrhein

Bureau of Land and Water Resources

DATCPLandWater@wisconsin.gov

WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION (DATCP.)

February 24, 2022