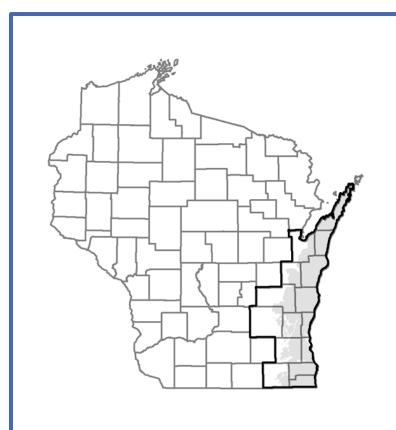


ATCP 50 – Implementing the Silurian Bedrock Performance Standard Stakeholder Engagement Meeting WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

February 24, 2022

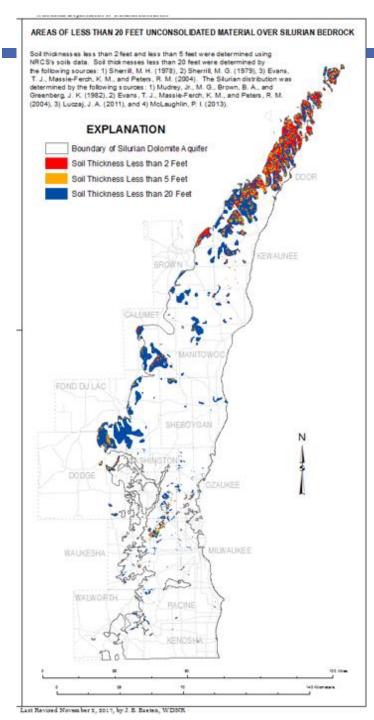


#### Silurian Bedrock Performance Standards:

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)

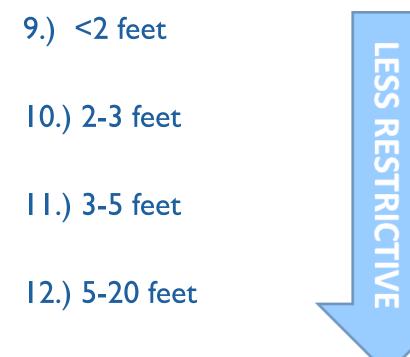


Silurian Bedrock Performance Standards (continued):
Areas where soil is less than 5 feet to Silurian Bedrock:
5.) Must be identified – infield verification OR existing maps/data.
6.) Must be ranked for risk of pathogen delivery to groundwater.
7.) Mechanical application is prohibited when soils are frozen 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<br>bedrock                            | Solid manure conditions  | Liquid manure conditions  |
|--|--|---|
| <2'<br>Verification<br>Required <sup>2</sup>   | No mechanical application  | No mechanical application   |
| 2'-3'<br>Verification<br>Required <sup>2</sup> | <pre>Incorporate<sup>3</sup> within 72 hrs to ≤4" depth and;<br/>At least one of the following:<br/>a) Rate ≤ 15 T/acre,<br/>b) Within 10 d planting or established crop,<br/>c) Pathogens ≤ 500,000 CFU</pre> | Pre-tillage and;<br>Inject or incorporate <sup>4</sup> ≤4"depth within 24hr and;<br>At least one of the following:<br>a) Rate is lesser of UW A2809 or Table 1,<br>b) Within 10 d planting or established crop,<br>C) Pathogens ≤ 500,000 CFU |
| 3'-5'<br>Verification<br>required <sup>2</sup> | Same as above except≤6" depth       Pre-tillage and;         Inject or incorporate <sup>4</sup> ≤6" depth within 24hr and;         Same as above   |   |
| 5'-20'<br>No Verification<br>required          | No new conditions proposed   | Pre-tillage and;<br>Inject or incorporate <sup>5</sup> ≤ <b>6″</b> depth within 24hr and;<br>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

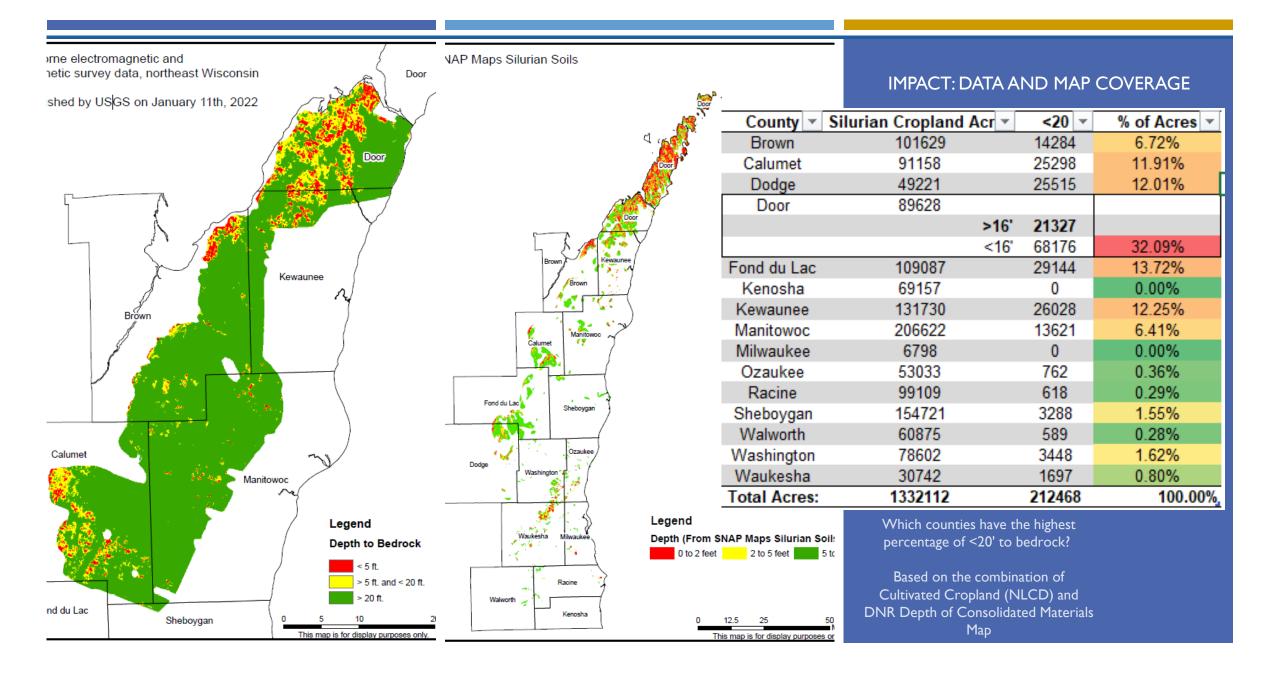
#### Existing

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



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

February 24, 2022