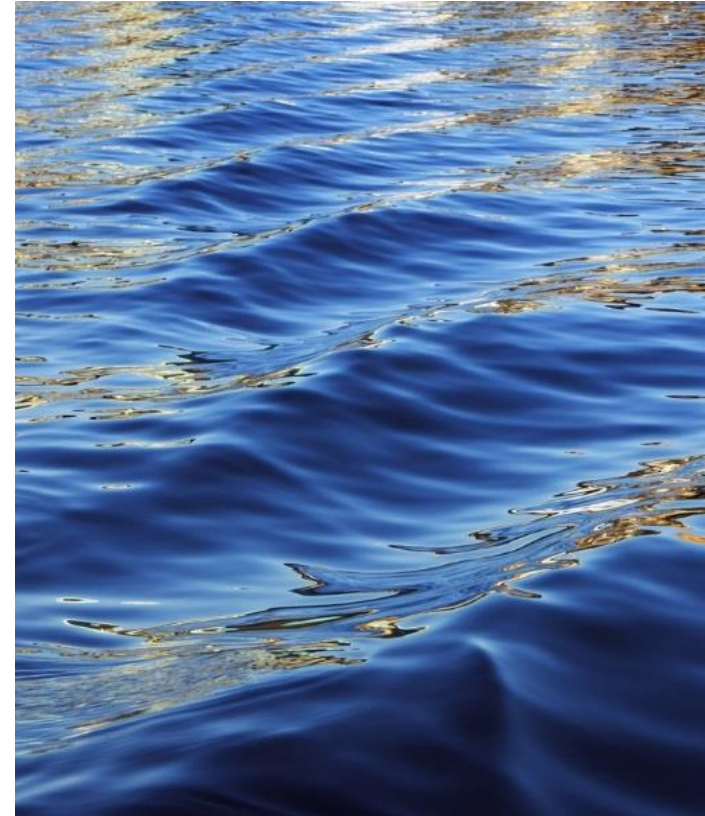


LRPD 2023 FALL PARTNERS MEETING

The Value of a Transect Survey

November 7th, 2023



Presentation Outline

- What is a Transect Survey
- Why do a Transect Survey
- Initial Results of the Transect Survey

What is a Transect Survey

- The cropland roadside transect survey method is designed to gather information on tillage and crop residue management systems.
- The annual or bi-annual crop-year driving transect targets the HUC 12, 070700040205 Lake Redstone Watershed.
- Lake Redstone's watershed is roughly 28.83 sq. miles in which cropland represents about 20.9% of the watershed.

Why do a Transect Survey

- Ideal tool for assessment as well as measuring progress for locally led conservation
- To provide information that can be used by the LRPD and others in establishing priorities for education or other programs
- Evaluate progress in reaching Nine Key Element Plan goals
- Provide accurate data on the adoption of conservation systems
- The transect survey will enable the LRPD to have a higher level of confidence in their data used in achieving their goals

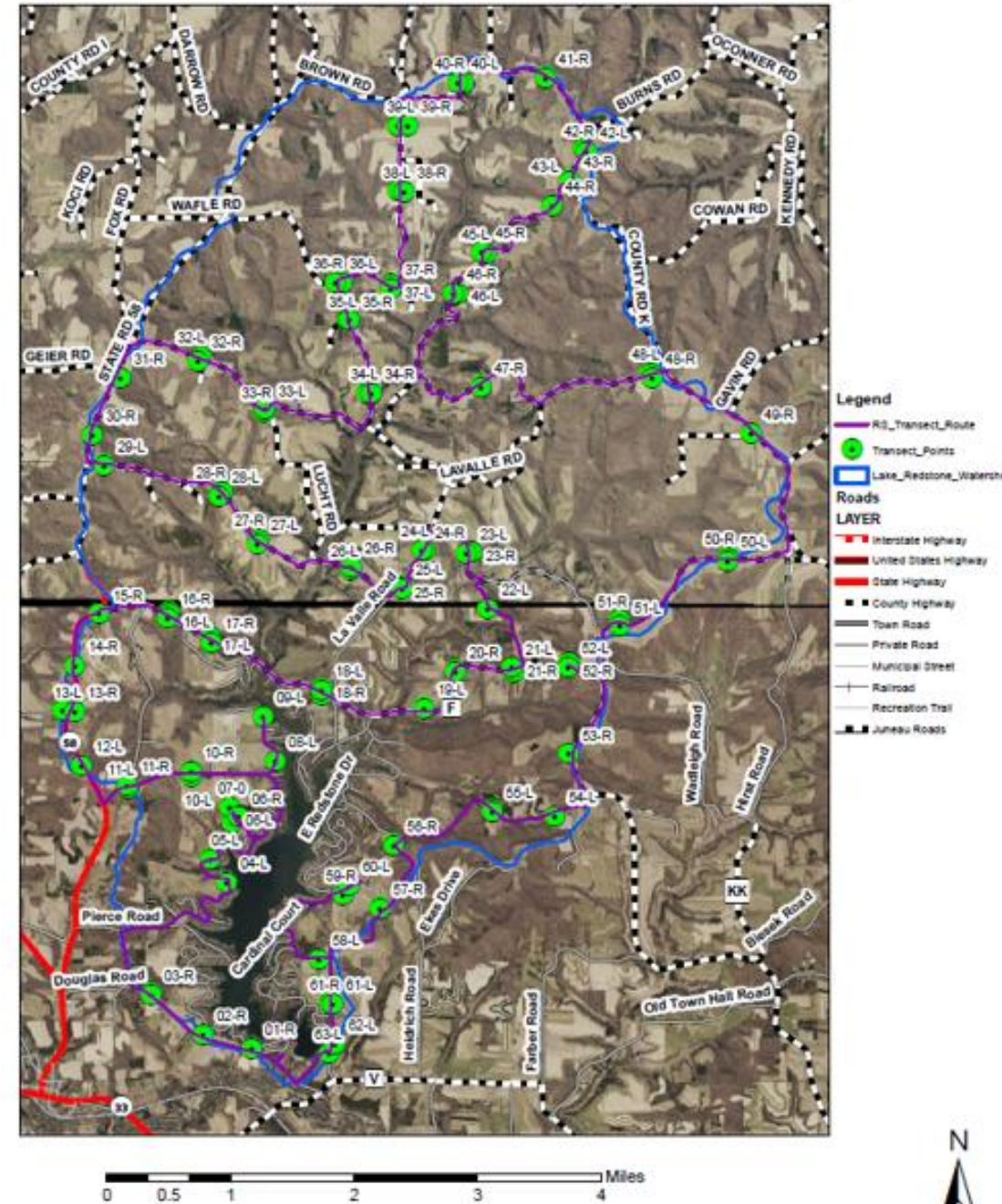
The Transect Survey

Step 1 – Establishing and Marking the Route
(44.5-mile route)

Step 2 – Establishing the Survey Date and Team

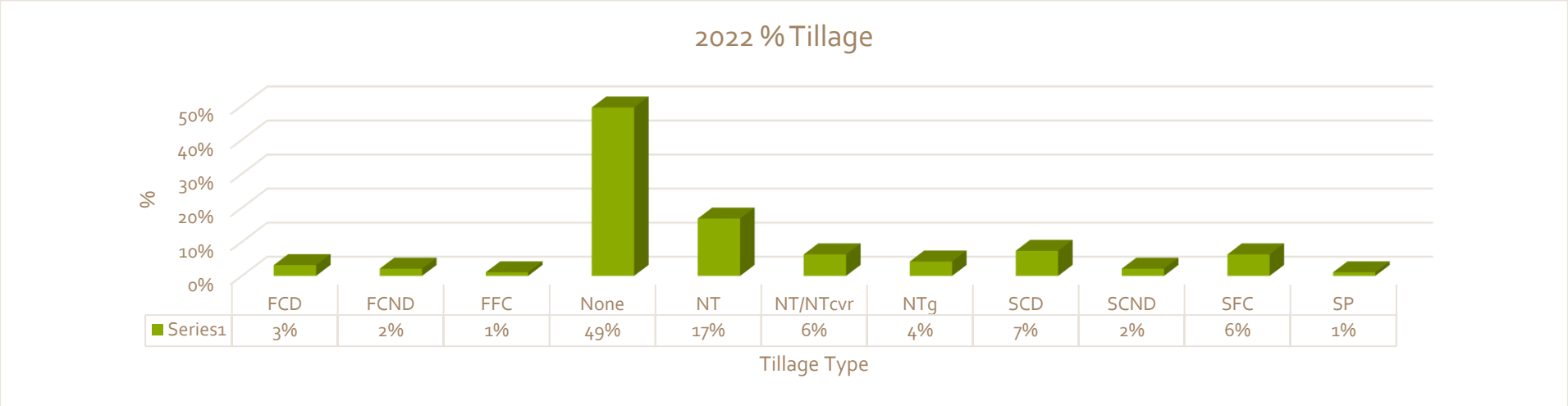
Step 3 – Collecting the Survey Data (95 points)

Step 4 – Data Analysis (SnapPlus)



2022 Results of the Transect Survey

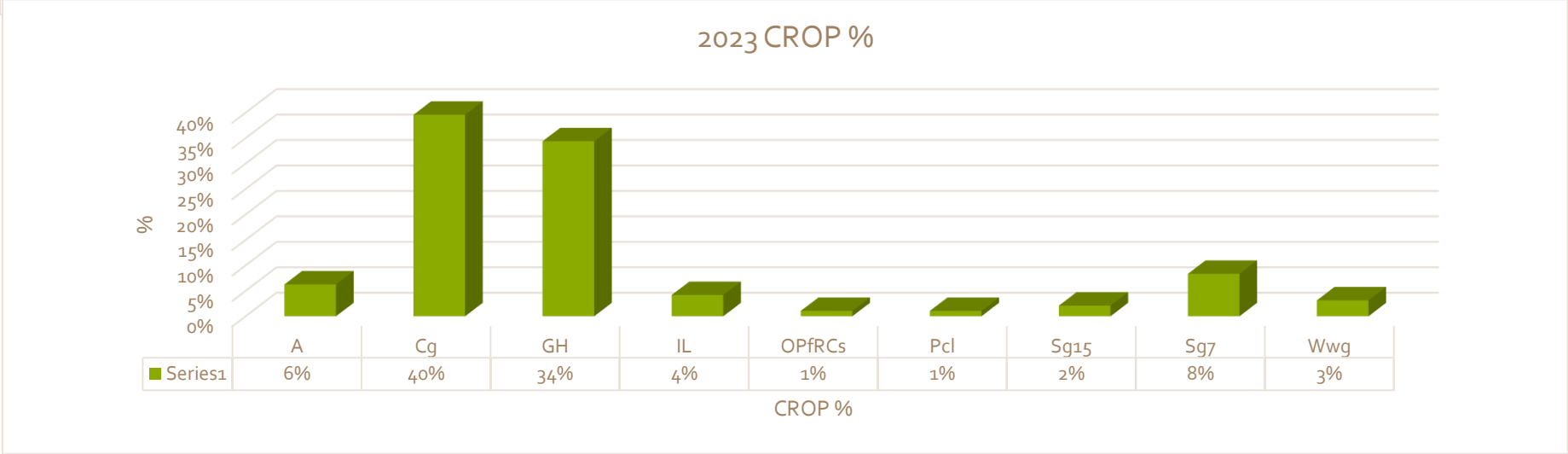
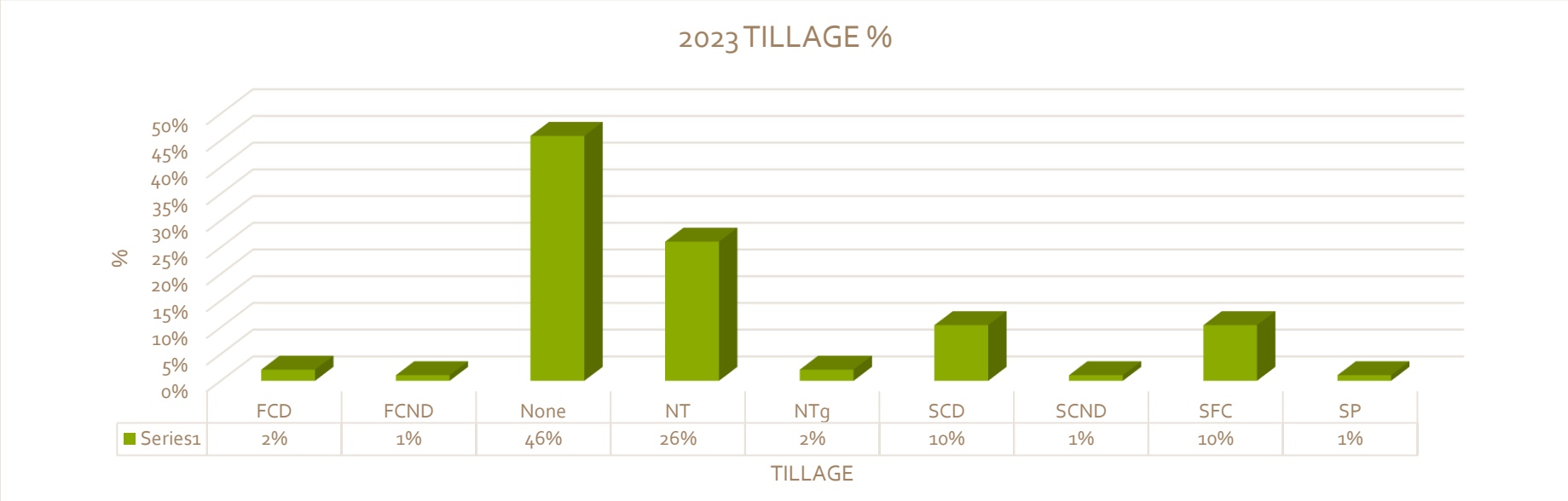
- Spring of 2022, initial survey. Repeated in Fall of 2022
- 39% of points were Grassy Hay, 24% of points were Corn Grain



- 76% of the points were none or no-tillage
- 6% of points had cover crops

2023 Results of the Transect Survey

- Spring of 2023, survey complete. Repeat on Nov 16, 2023
 - 39% of crops were Grassy Hay, 24% of crops were Corn Grain
- 74% of the crops had none or no-tillage
- % cover crops TBD



Spring 2023 photo of Corn
planted green into Rye



QUESTIONS?

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