<u>*Tentative Outline*</u>
Introduction to Lake Eutrophication Modeling

2018 Wisconsin Lakes Partnership Convention Workshop
1:30 PM – 4:30 PM   Wednesday, April 18, 2018

1. Eutrophication / Modeling
   - Overview & Background
   - What's a Model & Why Model?

2. Our First Model …. Lake P Model 1
   - WiLMS Setup / Hydrology & Watershed Phosphorus
   - Output (Lake P)

3. Lake P Model 0 (BackoftheEnvelope)
   - Inside the Lake
   - Steady-State, Completely Mixed Model
   - Empirical Models / Some History

Break / Discussion

4. Lake P Model II (Exploring the Watershed)
   - Phosphorus Transfer / Watershed Export
   - Dynamic versus "Annual"

5. Lake P Model III (Adding a Point Source)
   - Problem Setup
   - Output Review

Break / Discussion

6. Lake P Model IV (How about Septic Systems? Groundwater?)
   - Groundwater and Lakes / Approaches
   - Septic Systems & Application

7. Beyond WiLMS
   - Other Watershed Models
   - Other Lake Models

8. Wrap up

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