



# Wisconsin's Web-Mapping Tools, Surface Water Data Viewer, and Water Condition Viewer

Matt Rehwald, Wisconsin Dept of Natural Resources  
Data Management Tools Session

The National Water Quality Data Management Training Workshop

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# Problem Statement

- How do we provide access to our spatial and tabular monitoring data and assessment decisions?





# Context

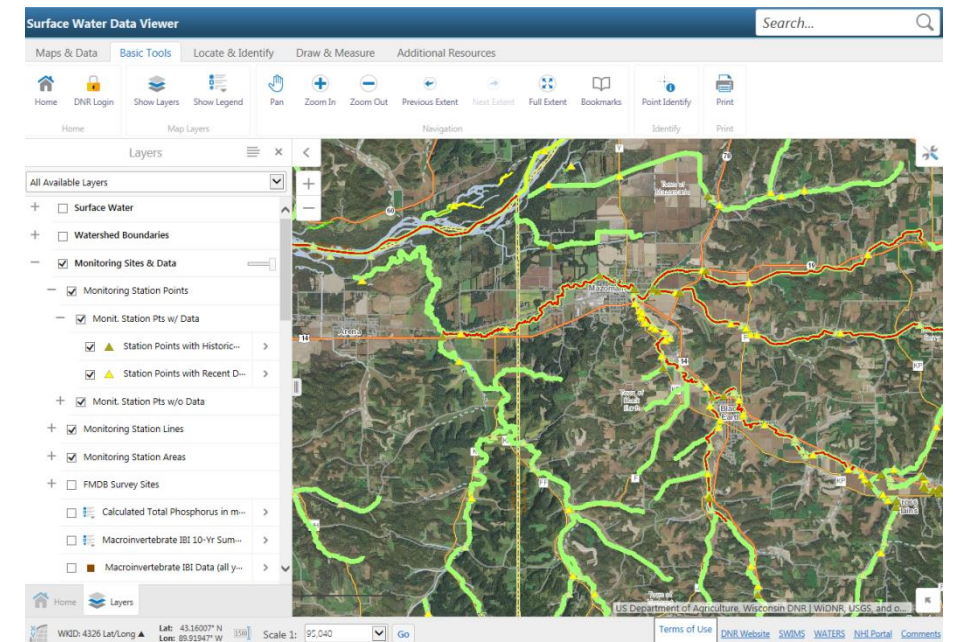
An aerial map of Wisconsin showing a network of water bodies. Major rivers and streams are highlighted in bright green, while smaller water bodies are outlined in red. Yellow triangles are scattered across the map, representing assessment units. Major roads are visible, including Highway 60 in the top left, Highway 19 in the top right, and Highway 14 in the center. Labels for Mazomanie, Black Earth, and Cross Plains are present. A vertical dashed line runs through the center of the map.

- Wisconsin has 32,102 active assessment units
  - 20,000 lakes, impoundments, beaches
  - 12,000 rivers
- Wisconsin has 825,714 sampling events and 20,416,843 unique results (as of 5/18/2017)



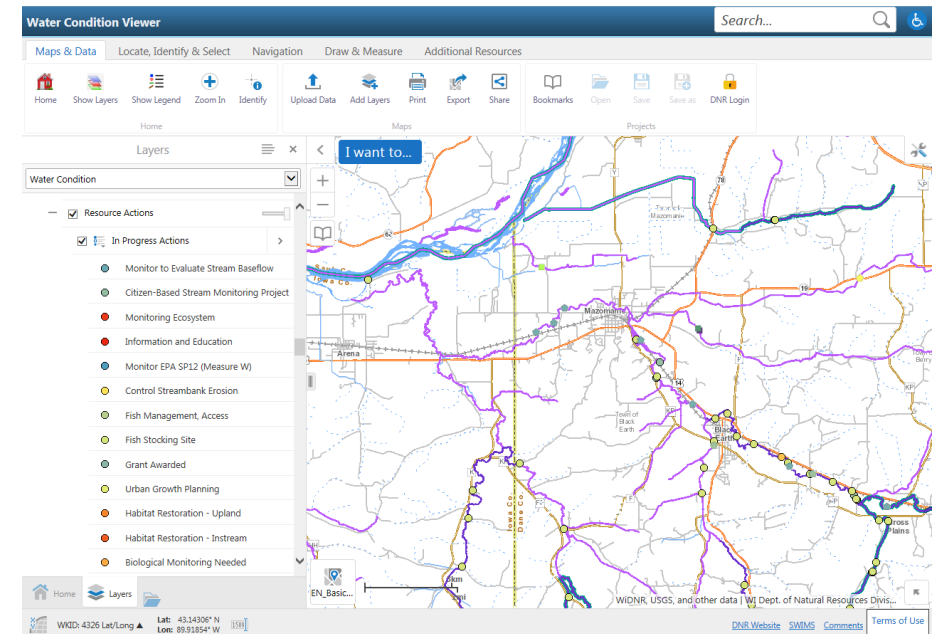
# Surface Water Data Viewer

- DNR's Original Web-Mapping Tool
  - General audience
    - Used extensively for permit decision support
    - Data from many DNR water and wetland programs
    - Limited views of monitoring and assessment data
- Is the tool available for use?
  - <http://dnr.wi.gov/topic/surfacewater/swdv/>

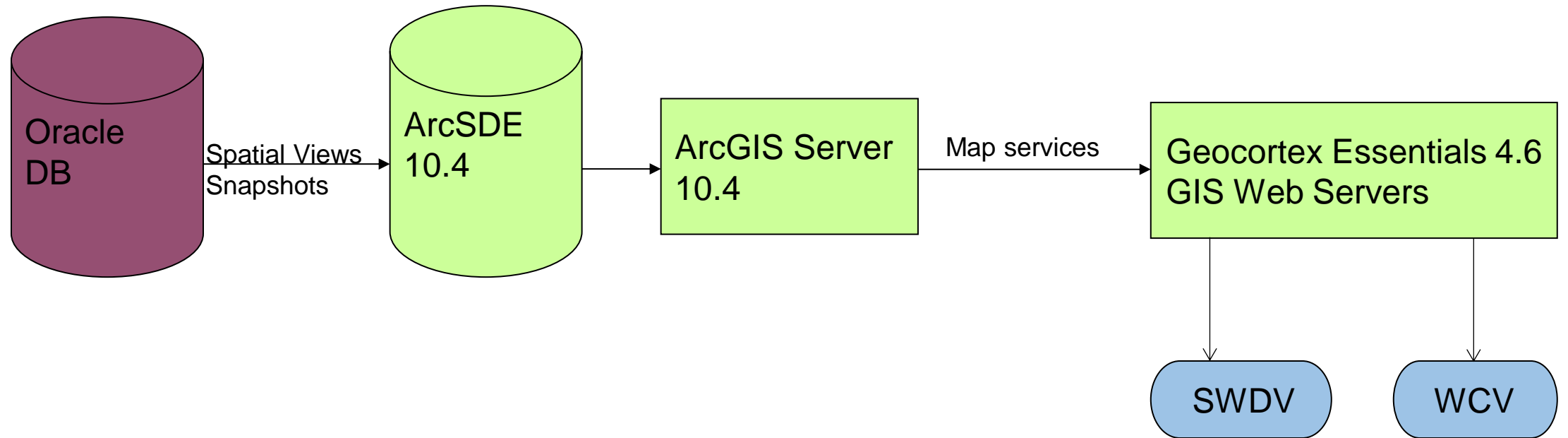


# Water Condition Viewer

- Spun off from the Surface Water Data Viewer
  - Targeted towards evaluation, assessment and WQ planning audiences
    - Detailed views of assessment data
    - Statistical assessment package outputs
    - Modeled lake, stream, and watershed data
    - Assessment and water management actions
- Is the tool available for use?
  - <http://dnr.wi.gov/topic/surfacewater/wcv/>



# How the Apps are put together





# Punch Line

- If your data infrastructure is set up appropriately... web mapping tools can be built with COTS products!

