WATER SUPPLY

RICK TWAIT
Superintendent of Water Purification, Bloomington IL Water Department
Water Supply Shortfalls
Can be caused by:

- Source Water Capacity
  - Reliable Yield
  - Drought
- Water Quality
- Treatment Capacity
- Transmission Capacity
How to serve our customers now and in the future?
Tools for Water Supply Planning and Development

- Master Plans for Treatment and Distribution
- Drought Ordinance
- Conservation Efforts
- Leak Detection
- Rate Study
- Water Supply Plan
- Supplemental Supply
- Source Water Protection
Mackinaw Drinking Watersheds Project
Principal Investigator: Dr. Maria Lemke, TNC

Partnership with TNC, EDF, City of Bloomington

- Integrated With Watershed and Water Supply Plans
- Primary Focus on Nutrient Reduction on an *Entire Watershed Basis*
- Many Methods
  - Wetlands
  - Adaptive Nutrient Management
  - Resaturation of Riparian Buffers
  - Landowner Outreach
T3 Demonstration Wetland