

# WATER SUPPLY

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 Water Purification,  
 Bloomington IL Water  
 Department*

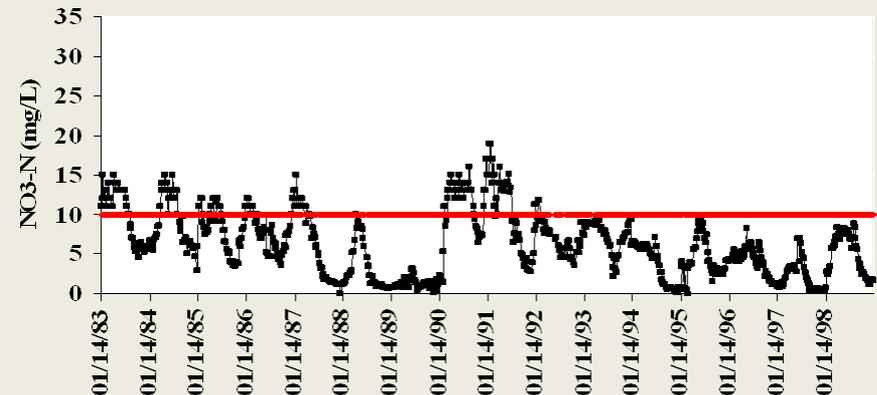
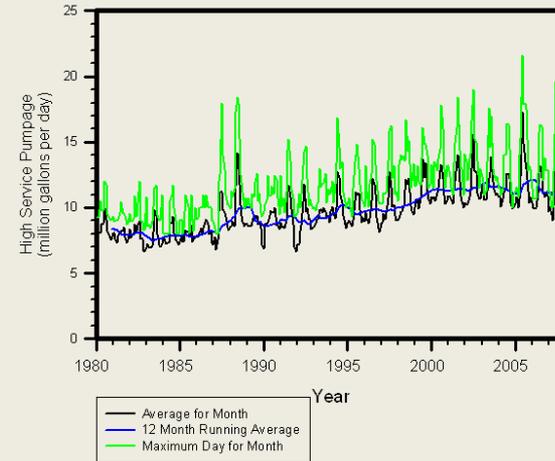


# Water Supply Shortfalls

Can be caused by:

- Source Water Capacity
  - Reliable Yield
  - Drought
- Water Quality
- Treatment Capacity
- Transmission Capacity

Bloomington, Illinois  
High Service Pumpage



# 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

