

Pesticides and Water Quality



Jamie Green

EPA Region 7 - Pesticides Branch

June 6-8, 2006

Outline

- Registration review and Data
- Atrazine
- Goals and Measures
- Partnering for Success

Registration Review

- The Food Quality Protection Act (FQPA) amended FIFRA and requires all pesticide tolerances to go through re-evaluation by 2006
- FQPA created tougher standards to consider when registering pesticides:
 - Reasonable certainty of no harm
 - Consider aggregate inputs (water, air, food) & cumulative exposures (similar compounds)
 - 10 fold safety factor to protect infants/children
- Encouraged to collect data for the Registration Review process

Reregistration of Atrazine

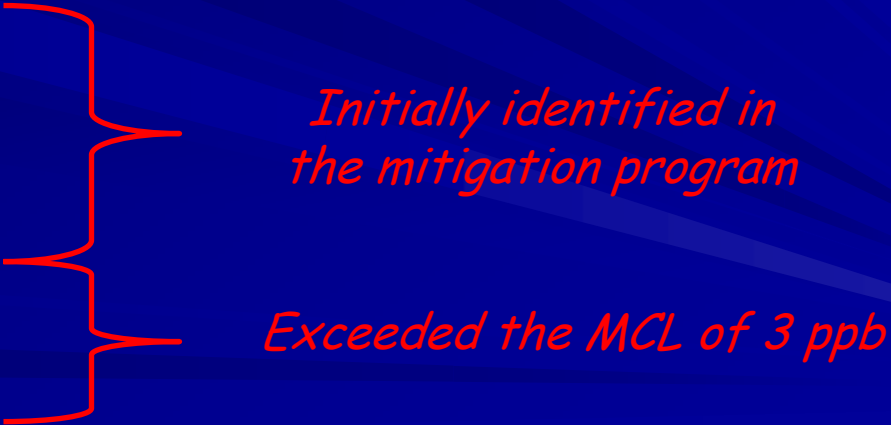
- Information at:

www.epa.gov/oppsrrd1/reregistration/atrazine

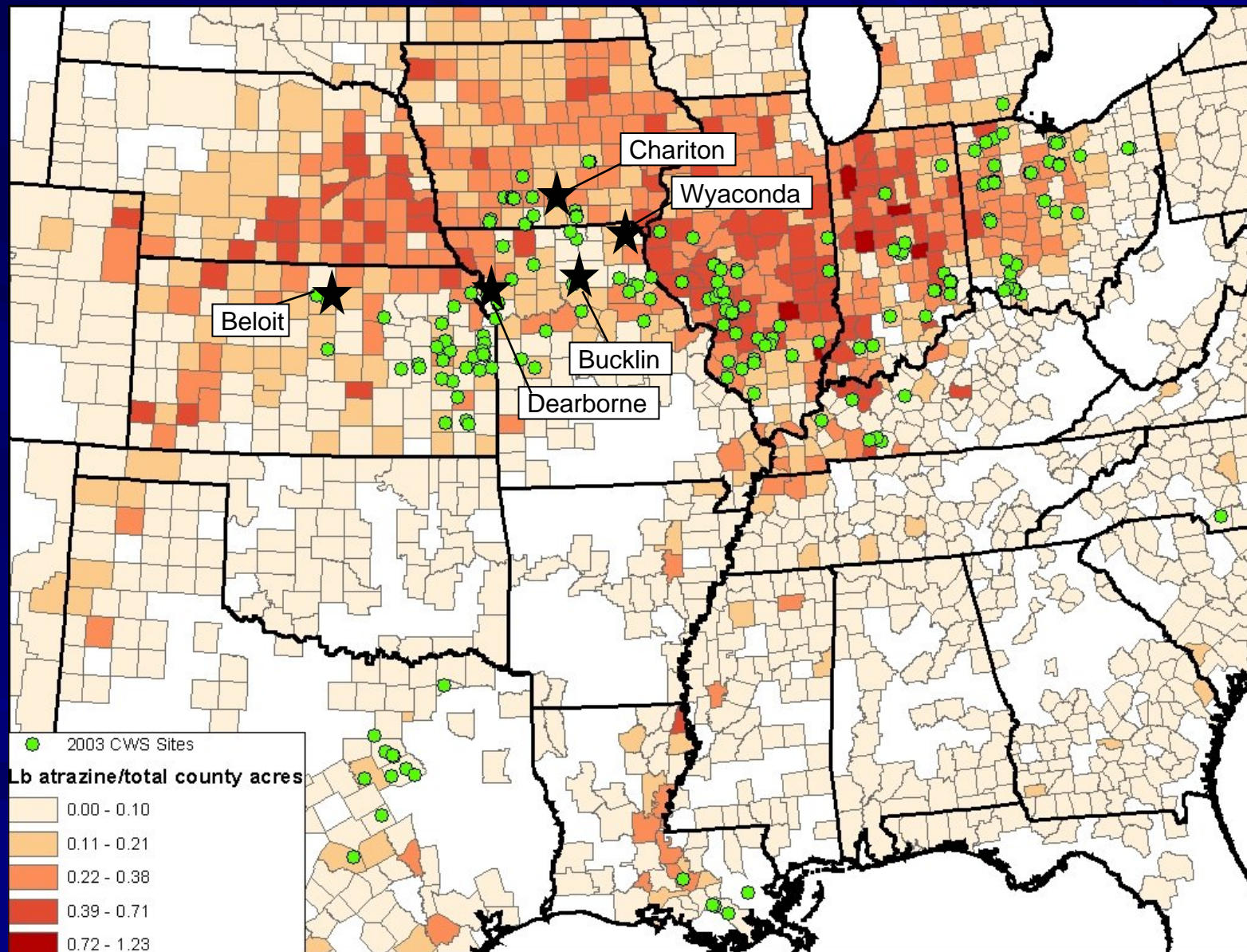
- Certain Mitigation Requirements to be fulfilled

- Drinking water monitoring of community water systems
- Monitoring in watersheds for ecological effects

Atrazine Monitoring results (Drinking Water)

- Monitoring 200 community water drinking systems
 - Water systems in Region 7 in mitigation phase
 - Chariton, Iowa
 - Bucklin, Missouri
 - Dearborne, Missouri
 - Wyaconda, Missouri
 - Beloit, Kansas
- Initially identified in the mitigation program*
- Exceeded the MCL of 3 ppb*
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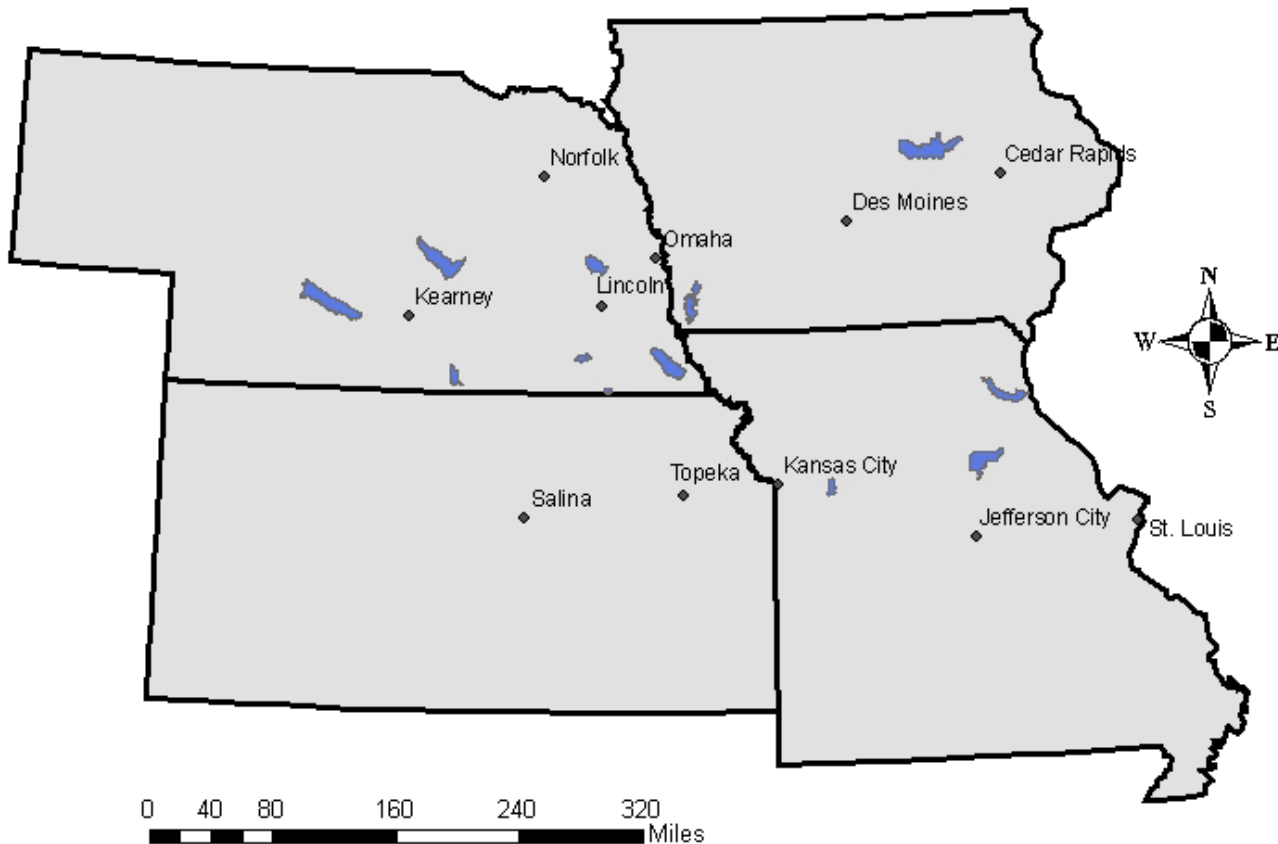
Drinking Water Monitoring Program



Atrazine Monitoring Results (Ecological)

- Includes 40 watershed nationwide
- Region 7 watersheds include:
 - 2 watersheds in Iowa (2004 & 2005)
 - 3 watersheds in Missouri (2004 & 2005)
 - 3 watersheds in Nebraska (2004 & 2005)
 - 4 watersheds in Nebraska (2005 & 2006)
- Data will be released by February 2007

Atrazine Ecological Monitoring Sites



Triazine

- Triazine cumulative assessment will include atrazine, propazine, and simazine
- Scheduled to be completed in FY 2006
- Propazine and Simazine IRED - 2006

Watershed/Water Quality Strategic Targets

L – By 2012, attain water quality standards for all pollutants and impairments in more than 2,250 water bodies identified in 2002 as not attaining standards.

Updated

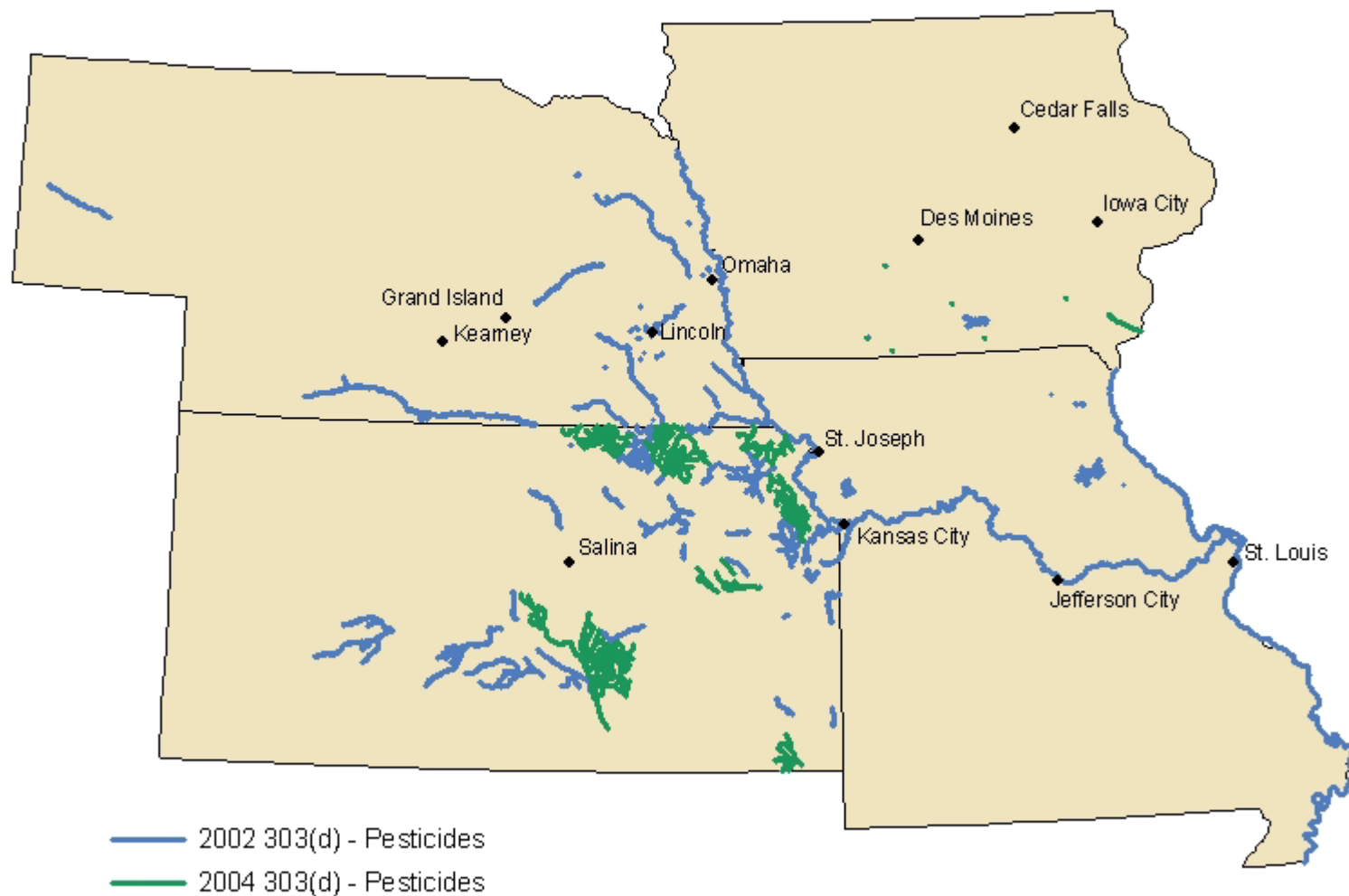
W – By 2012, improve water quality conditions in 213 impaired watersheds nationwide using the watershed approach.

New

Y – By 2012, remove at least 5,200 of the specific causes of water body impairment identified by states in 2002.

New

Region 7 Pesticide Impairments



Pesticides and Water Quality Measures

- % of pesticides evaluated for water quality concerns
- % of pesticides with water quality concerns having active management programs
- % of pesticides with management programs demonstrating results

Grants

Competitive Grant	Contact	Phone Number
State and Tribal Wetland Program Development Grants	Mandy Whitsitt	913-551-7311
<i>Food Quality Protection Act</i>	Craig Thomson	515-284-4612
Five Star Restoration Matching Grants Program	Jason Daniels	913-551-7443
<i>Pesticide Environmental Stewardship Program (PESP)</i>	Dick Wiechman	573-636-5223
Targeted Watershed Grant	Jaci Ferguson	417-575-8028

Priorities

- Data sharing for registration
- Improvement in impaired water bodies
- Data to support measurable results
- Success requires collaboration

Jamie Green
green.jamie@epa.gov
913-551-7139