

MS4 Permit Compliance Overview



Pete Wood, P.E.

Public Education & Outreach

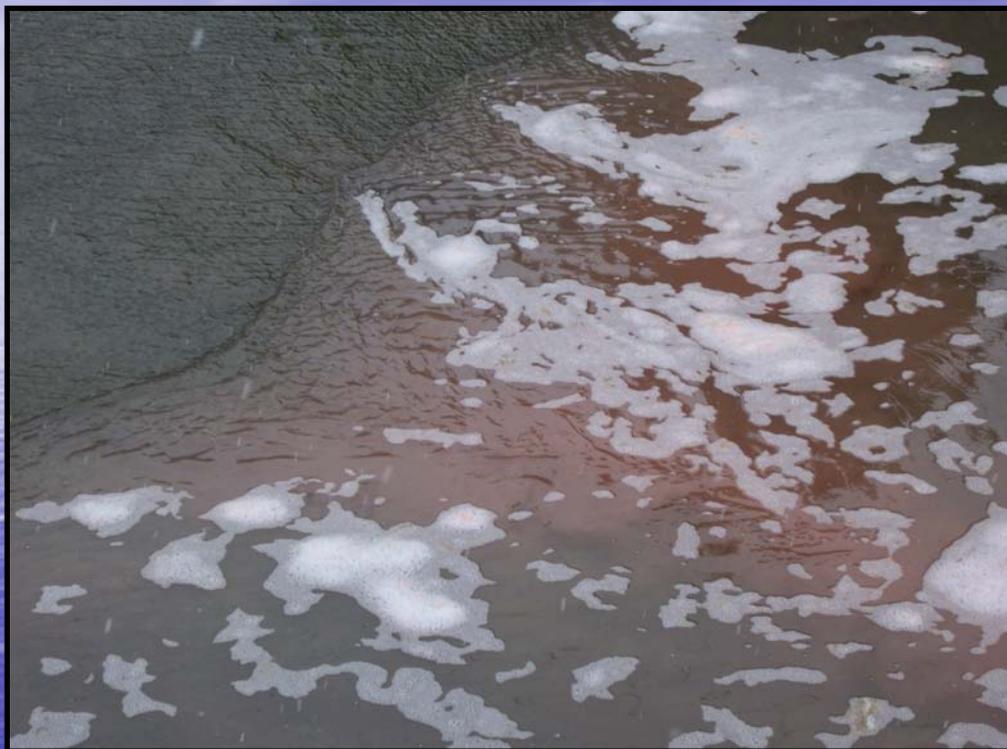
- Group Efforts
- Survey Results
- Internal Education

Proposal
Keep Our Waters Clean!
A Public Education & Outreach Project for the
Southeast Wisconsin Clean Water Network
Revised January 7, 2011

A photograph of a person wearing a hat, a blue long-sleeved shirt, and camouflage waders, standing in a shallow stream. The person is holding a fishing rod and appears to be fishing. The stream is surrounded by trees and vegetation, and there is a concrete structure in the background.

Submitted By:
Root-Pike Watershed Initiative Network
www.rootpikewin.org

Illicit Discharges



- Field Screening Parameters & Action Levels
- Photo Library
- Program Evaluation

Construction Site Erosion Control

- Consistency
 - Plan review
 - Inspection
 - Enforcement
- Municipal Projects
- Ordinance Modifications



Post-Construction Storm Water



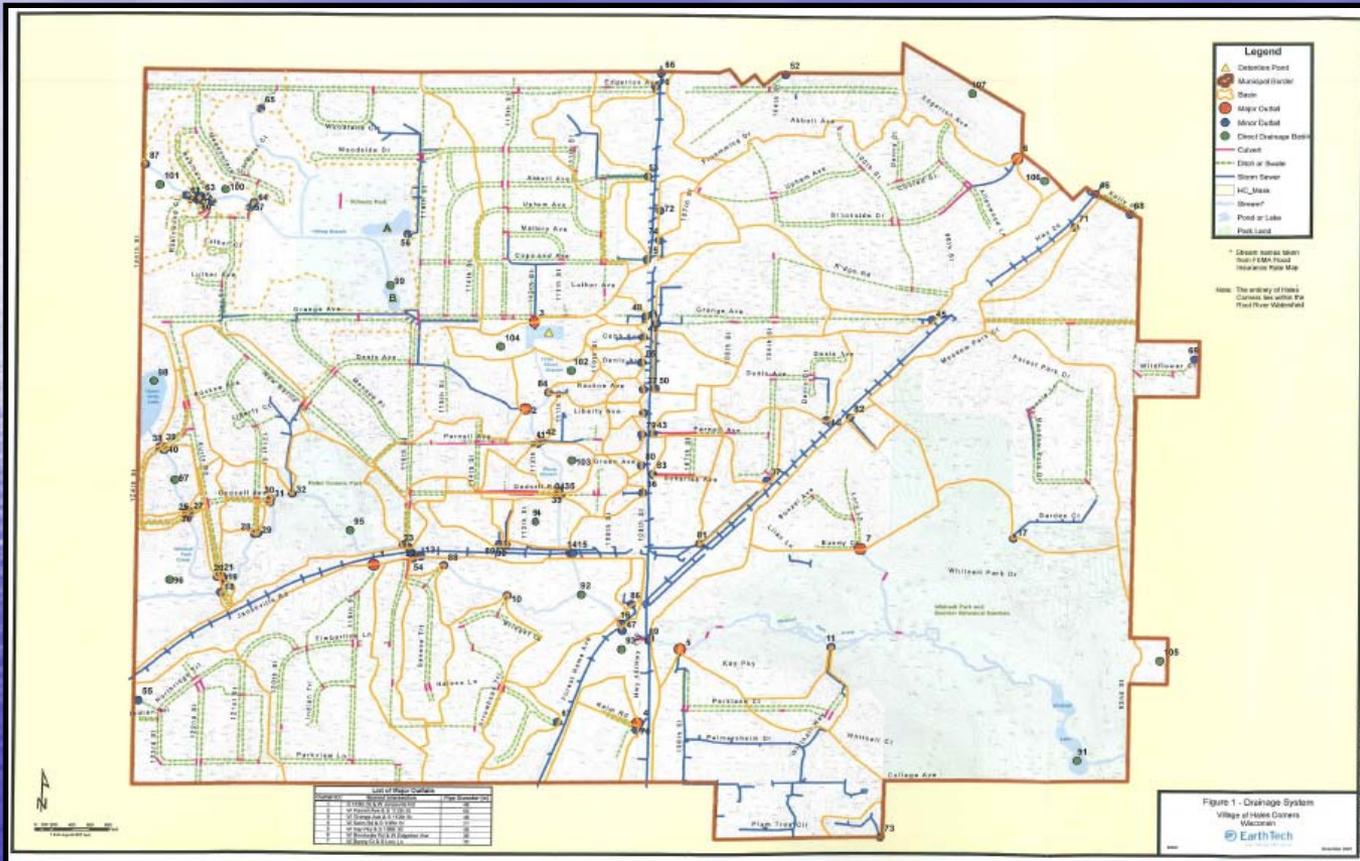
- Long-term Maintenance
- DNR Guidance
- Ordinance Modifications

Pollution Prevention

- Road Salt
- Public Works Facilities
- Inspection & Maintenance of Storm Water Treatment Facilities
- Street Sweeping & Catch Basin Cleaning Waste



Storm Sewer System Map



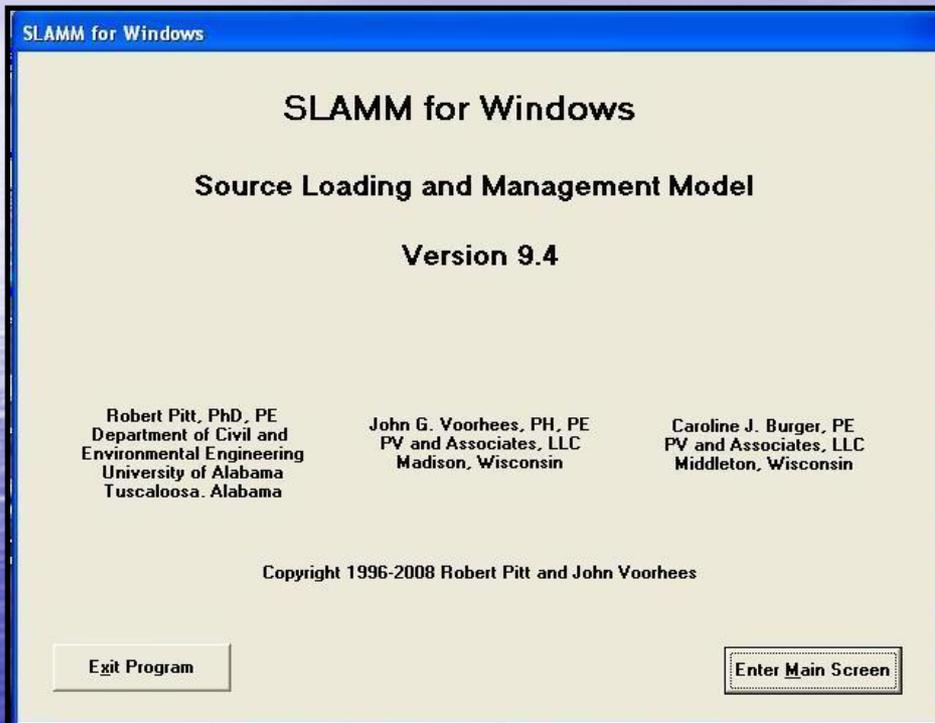
- Outfalls
- GIS

Annual Report

- Annual Evaluation
- Public Review & Comment
- Minimize Submittal to DNR

Annual Report under MS4 General Permit No. WI-S050075-1			
State of Wisconsin Department of Natural Resources dnr.wi.gov		Form 3400-195 (R 01/2011) Page 1	
Due by March 31, 2011			
<p>This form is for the purpose of annual reporting on activities undertaken pursuant to the Municipal Separate Storm Sewer System (MS4) General Permit No. WI-S050075-1. An owner or operator of a municipal separate storm sewer system covered by the general permit under Chapter NR 216, Wis. Adm. Code, is required to submit an annual report to the Department of Natural Resources by March 31 of each year to report on activities for the previous calendar year. This form is for reporting on activities undertaken in calendar year 2010.</p> <p>Use of this specific form is optional. The Department of Natural Resources has created this form for the user's convenience and believes that the information requested on this form meets the reporting requirements for an owner or operator of a municipal separate storm sewer system covered by the general permit. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].</p> <p>Instructions: Complete each section of the form that follows. If additional space is needed to respond to a question, attach additional pages. Provide descriptions that explain the program actions taken to-date to comply with the general permit. Complete and submit the annual report by March 31, 2011, to the appropriate address indicated on the last page of this form.</p>			
SECTION I. Municipal Information			
Name of Municipality		Facility ID No. (FIN)	
Mailing Address	City	State WI	Postal Code
County(s) in which Municipality is located	Type of Municipality: (check one) <input type="checkbox"/> County <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town <input type="checkbox"/> Other (specify)		
SECTION II. Municipal Contact Information			
Name of Municipal Contact Person		Title	
Mailing Address	City	State WI	Postal Code
E-mail Address	Telephone No. (including area code)	Fax No. (including area code)	
SECTION III. Certification			
<p><i>I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-1 for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.</i></p>			
Authorized Representative Printed Name		Authorized Representative Title	
Authorized Representative Signature		Date Signed	
E-mail Address	Telephone No. (including area code)	Fax No. (including area code)	

Storm Water Quality Management



- 40% Total Suspended Solids (TSS) Reduction by March 31, 2013
- Two compliance paths
 1. *TSS Reduction Analysis*OR
 2. *TSS Reduction Analysis AND Long Term Storm Water Management Plan*

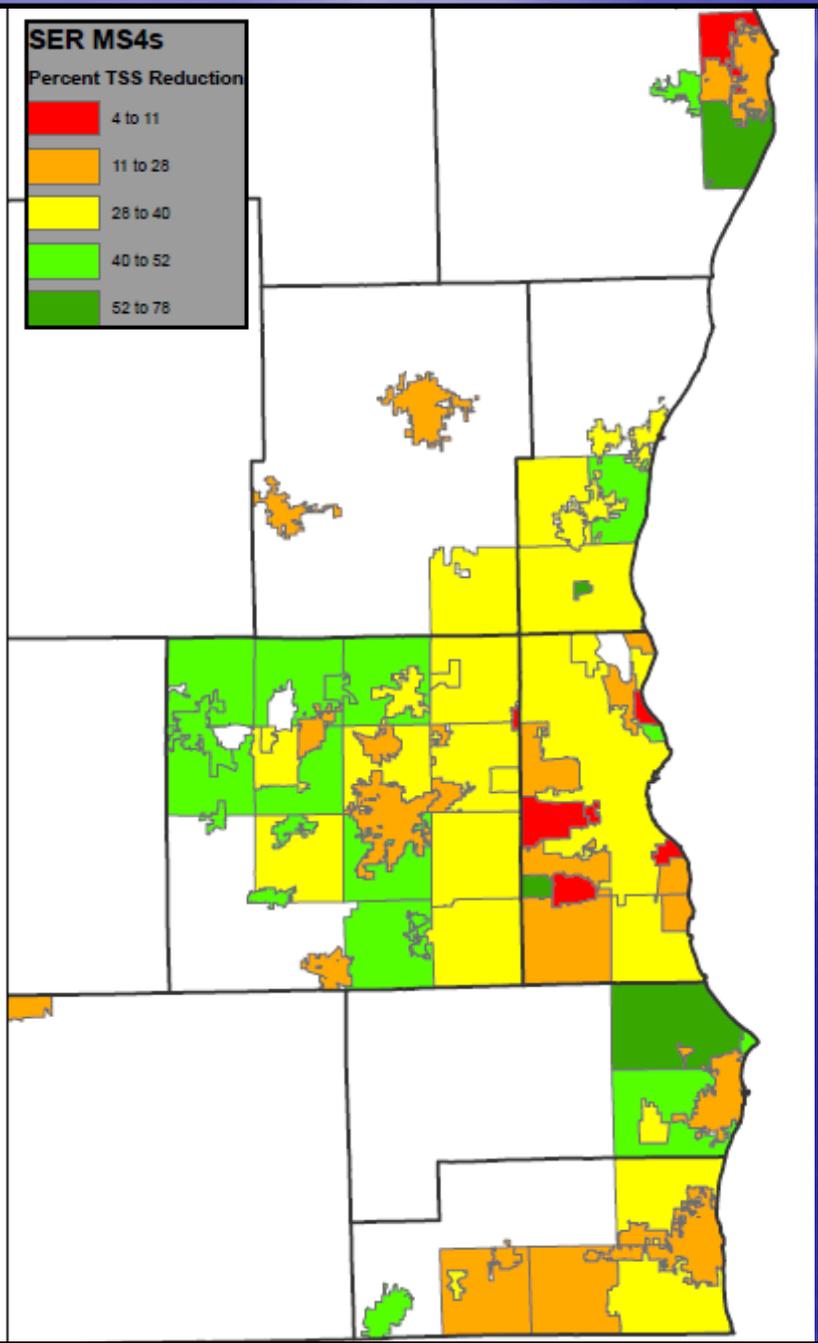
TSS Reduction Data

- Initial modeling data available for all MS4s
- Results of the initial modeling efforts questionable due to conflicts with DNR modeling guidance
- Some MS4s have completed modeling revisions
- Revised modeling efforts indicate significant increases in TSS reduction due to grass swales



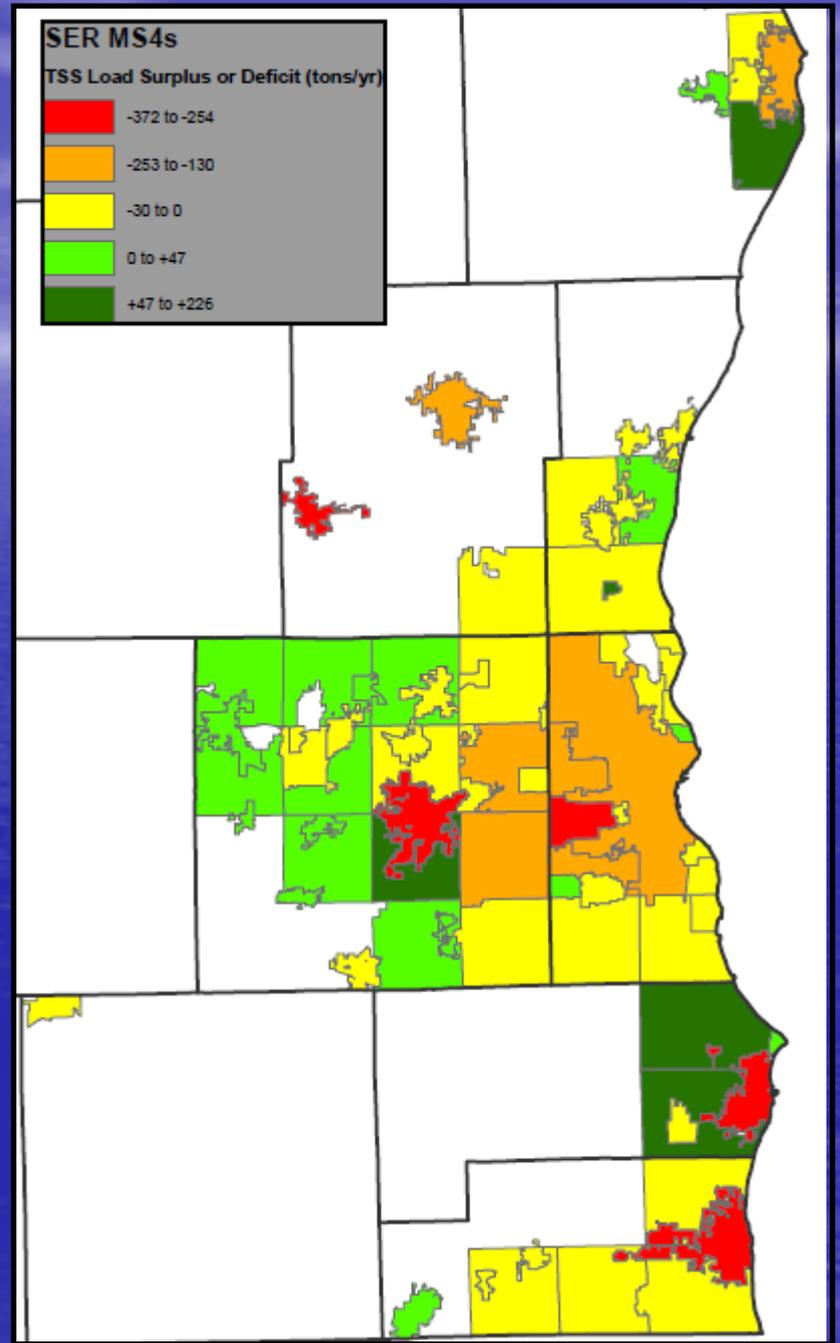
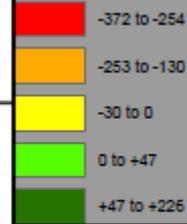
SER MS4s

Percent TSS Reduction



SER MS4s

TSS Load Surplus or Deficit (tons/yr)



TSS Reduction Analysis Recommendations

- Included/Excluded Area Map
- Grass Swale Evaluation
- Maintenance Authority for Private Storm Water Treatment Practices
- WinSLAMM v10



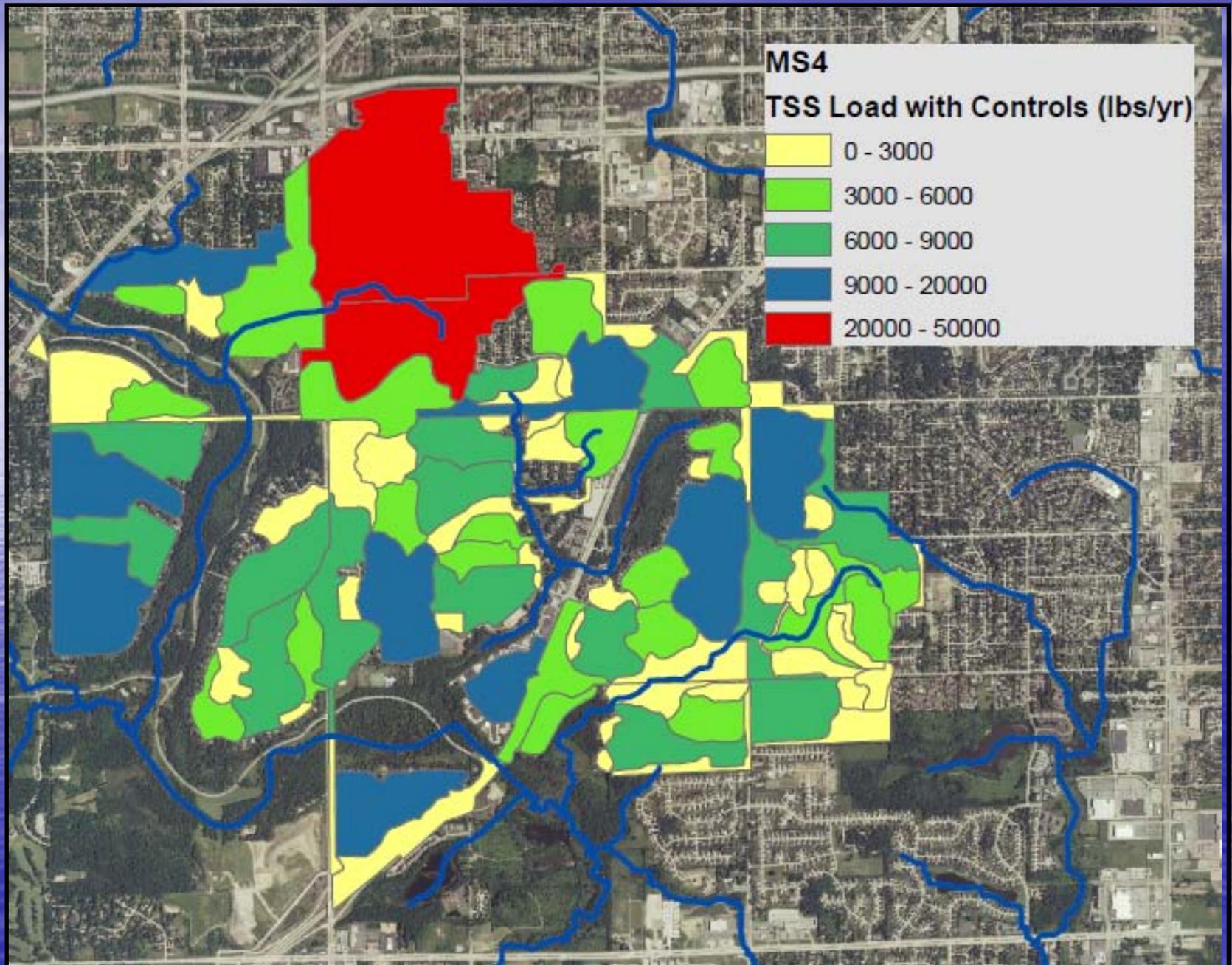
Long Term Storm Water Management Plan Recommendations



- Future redevelopment and road reconstruction
- Runoff volume reduction in areas with outfall controls
- Retrofit of existing practices
- **Cooperation**

Cooperation

- Small scale (regional pond)
- Large scale (watershed)
- WisDOT & County Highways
- Watershed Groups

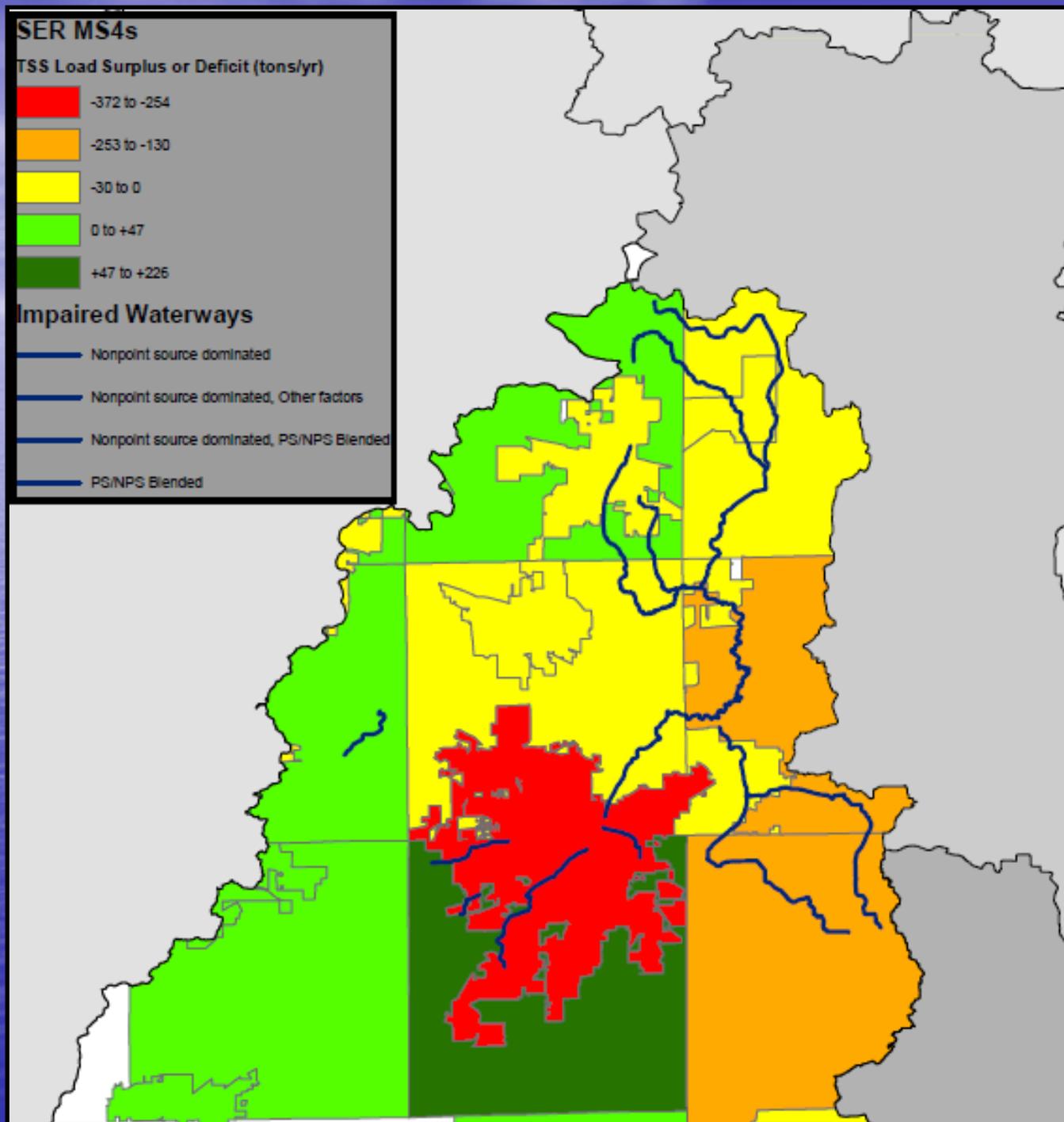
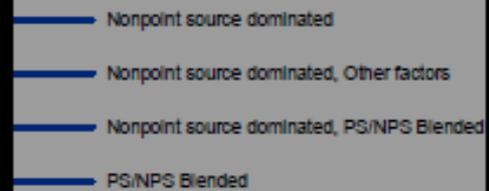


SER MS4s

TSS Load Surplus or Deficit (tons/yr)



Impaired Waterways



Natural Stream Community

- Other
- Cold Transition Headwater
- Warm Transition Headwater
- Warm Headwater

SER MS4s

TSS Load Surplus or Deficit (tons/yr)

- 372 to -254
- 253 to -130
- 30 to 0
- 0 to +47
- +47 to +226

