Root River Watershed Restoration Plan

Plan Rollout Presentation
July 31, 2014

Joseph E. Boxhorn, Ph.D., Senior Planner
Southeastern Wisconsin Regional Planning Commission
Partners and Funding Agencies

- WIN (Watershed Initiative Network)
- Root-Pike
- SOUTHEASTERN WISCONSIN WATERSHEDS TRUST, INC.
- University of Wisconsin–Extension
- Wisconsin Coastal Management Program
- NOAA (National Oceanic and Atmospheric Administration)
- MMSD (Partners for a Cleaner Environment)
- WISCONSIN DEPT. OF NATURAL RESOURCES
- Southeastern Wisconsin Regional Planning Commission
- Racine County Wisconsin
- THE FUND FOR Lake Michigan

Municipalities and Counties of the Root River Watershed
The plan is documented in:

SEWRPC Community Assistance Planning Report No. 316, A Restoration Plan for the Root River Watershed
Focus Issues

• The plan seeks to make progress relative to a set of focus issues

• Focus issues came from
  • Problems identified in the regional water quality management plan update (RWQMPU)
  • Issues identified in other, related plans
  • Two-part survey of interested parties
    • Land managers
    • Local officials
    • Residents of the watershed
    • People who work or recreate in the watershed
Focus Issues

Water Quality

Recreational Use and Access

Habitat Conditions

Flooding (Racine County)
Focus Issues

At the request of Racine County the study examined options for Horlick dam.
The Root River WRP Was Developed in the Context of the 2007 Regional Water Quality Management Plan Update (RWQMPU)

- The WRP is a second-level plan that builds upon and refines the recommendations of the RWQMPU
Surface Waters of the Root River Watershed
Root River Watershed Includes Portions of

- Four counties
- 19 municipalities
- Several special purpose units of government
2010 Land Use

- Urban land uses cover 35 percent of watershed
  - Northern and southeastern portions
- Agriculture and other open lands cover 65 percent of watershed
  - Racine County and Franklin
2035 Planned Land Use

- Urban land uses are anticipated to cover 52 percent of watershed.
- Agriculture and other open lands are anticipated to cover 48 percent of watershed.
Water Quality Problems in the Watershed

- Low concentrations of dissolved oxygen
- Upper reaches of the mainstem
- Some tributaries
- Large daily fluctuations in dissolved oxygen concentration
- At some sites

**Figure 21**

**Dissolved Oxygen Concentrations at Sites Along the Mainstem of the Root River: 1964-2012**

- Root River above Johnson Park
- Root River below Johnson Park

Legend:
- 1954-1974
- 1975-1990
- 1994-1997
- 1998-2004
- 2005-2012

Landmarks:
- 41.5 = W. Cleveland Avenue
- 36.7 = W. Grange Avenue
- 23.0 = Upstream Crossing of W. County Line Road
- 11.5 = Johnson Park
- 5.9 = Hindu Dam
- 0.0 = Confluence with Lake Michigan
Water Quality Problems in the Watershed

- High concentrations of total phosphorus
- Everywhere in the watershed that has been sampled
- Water quality criteria usually exceeded
Water Quality Problems in the Watershed

- Factors contributing to dissolved oxygen problems
  - Nutrient enrichment → Phosphorus
  - Inputs of organic material → Sanitary wastewater

- Strategies to address dissolved oxygen problems
  - Reduce inputs of total phosphorus and total suspended solids
  - Locate and remediate sources of sanitary wastewater
Water Quality Problems in the Watershed

- Impacts from chlorides
  - Few winter samples are available for chloride or specific conductance
  - Trends toward increasing concentration in surface waters
  - Evidence of accumulation in groundwater
Water Quality Problems in the Watershed

- Factors contributing to chloride problems
  - Winter snow and ice control → Road salt

- Strategies to address chloride problems
  - Reduce road salt applications while preserving public safety
  - Fill data gaps regarding chlorides
Water Quality Problems in the Watershed

- High concentrations of fecal indicator bacteria
  - Indicate fecal contamination
  - Indicate possible presence of disease agents
  - Water quality criteria often exceeded
Water Quality Problems in the Watershed

- High concentrations of fecal indicator bacteria
- High everywhere that has been sampled except for the beach at Quarry Lake
Water Quality Problems in the Watershed

- Factors contributing to fecal indicator bacteria problems
  - Illicit discharges, sewer cross-connections
  - Runoff containing manure

- Strategies to address fecal indicator bacteria problems
  - Locate and remedy sources of sanitary wastewater
  - Locate and remediate nonhuman sources

*E. coli* bacteria
## Targets: Load Reductions—Total Phosphorus and Total Suspended Solids

<table>
<thead>
<tr>
<th>Source</th>
<th>Total Phosphorus (pounds)</th>
<th>TSS (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Urban</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NR 151-related</td>
<td>2,268</td>
<td>1,388,338</td>
</tr>
<tr>
<td>Other measures</td>
<td>2,932</td>
<td>869,032</td>
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<tr>
<td><strong>Subtotal</strong></td>
<td>5,200</td>
<td>2,257,370</td>
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<tr>
<td><strong>Rural</strong></td>
<td></td>
<td></td>
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<tr>
<td>NR 151-related</td>
<td>8,440</td>
<td>18,961,880</td>
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<td>Other measures</td>
<td>8,180</td>
<td>13,691,100</td>
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<tr>
<td><strong>Subtotal</strong></td>
<td>16,620</td>
<td>32,652,890</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>21,820</strong></td>
<td><strong>34,910,260</strong></td>
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</table>
## Targets: Load Reductions—Fecal Coliform Bacteria

<table>
<thead>
<tr>
<th>Source</th>
<th>Fecal coliform bacteria (trillion cells)</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>NR 151-related</td>
<td>963.29</td>
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<tr>
<td>Other measures</td>
<td>3,019.28</td>
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<td><strong>Subtotal</strong></td>
<td>3,982.57</td>
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<td><strong>Rural</strong></td>
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<td>NR 151-related</td>
<td>204.67</td>
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<tr>
<td>Other measures</td>
<td>624.31</td>
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<td><strong>Subtotal</strong></td>
<td>828.98</td>
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<tr>
<td><strong>Total</strong></td>
<td>4,725.42</td>
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Plan Elements

• General Recommendations
  • Generally applicable over the entire watershed
  • Guidance for management of water resources relative to the focus issues
  • Some come from the RWQMPU or are refinements of RWQMPU recommendations

• Specific Projects
  • Projects implement general recommendations
  • Chosen to make progress toward achieving targets
  • Assembled from several sources
  • Locations are mapped
Water Quality Plan Elements

- **Urban Nonpoint Source Pollution**
  - Urban NPS controls consistent with standards in NR 151
    - Runoff infiltration, stormwater treatment, and maintenance practices
  - **Modification of MS4 illicit discharge detection and elimination programs**
    - Transfer IDDE effort from major outfalls where no problems have been detected to other, previously screened outfalls
  - Municipalities and counties continue to evaluate deicing practices to obtain application rates that ensure public safety without applying more chlorides than needed
    - Also education programs regarding chloride application and alternatives
Water Quality Plan Elements

- Urban Nonpoint Source Pollution
  - Information and education programs about fertilizer use
  - Pet litter control ordinances
  - Continue and expand litter and debris control programs
  - Green infrastructure
Examples of Green Infrastructure

- Bioretention
- Rain Gardens
- Green Roofs
- Stormwater Trees
- Rain Barrels
- Porous Pavement
Water Quality Plan Elements

- **Urban Nonpoint Source Pollution**
  - Information and education programs about fertilizer use
  - Pet litter control ordinances
  - Continue and expand litter and debris control programs

- **Green infrastructure**
  - Audit of municipal codes and ordinances to identify barriers to the implementation of green infrastructure practices
  - Installation in the MMSD planning area as per the MMSD green infrastructure plan
  - Pursue installation of green infrastructure in urban areas outside of MMSD planning area
Water Quality Plan Elements

- Urban Nonpoint Source Pollution
- Green infrastructure – Implementation by 2019

<table>
<thead>
<tr>
<th>Green Infrastructure Strategy</th>
<th>Units</th>
<th>Number of Units</th>
<th>Average Annual Stormwater Volume Captured (million gallons)</th>
<th>Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porous Pavement</td>
<td>Average city blocks(^a)</td>
<td>88</td>
<td>1,245.8</td>
<td>$3,080,000</td>
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<tr>
<td>Bioretention/Rain Gardens</td>
<td>150-square-foot rain gardens</td>
<td>1,750</td>
<td>42.0</td>
<td>$3,430,000</td>
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<tr>
<td>Stormwater Trees</td>
<td>Trees(^b)</td>
<td>5,790</td>
<td>8.1</td>
<td>$640,000</td>
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<tr>
<td>Green Roofs</td>
<td>Buildings with 5,000-square-foot green roofs</td>
<td>70</td>
<td>1.2</td>
<td>$1,750,000</td>
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<tr>
<td>Cisterns</td>
<td>Large buildings with 1,000-gallon cisterns(^c)</td>
<td>20</td>
<td>1.1</td>
<td>$70,000</td>
</tr>
<tr>
<td>Native Landscaping</td>
<td>Average city blocks(^a)</td>
<td>14</td>
<td>39.6</td>
<td>$210,000</td>
</tr>
<tr>
<td>Rain Barrels</td>
<td>Number</td>
<td>1,570</td>
<td>4.8</td>
<td>$210,000</td>
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<tr>
<td>Soil Amendments</td>
<td>Average city blocks(^a)</td>
<td>35</td>
<td>83.9</td>
<td>$560,000</td>
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<tr>
<td>Total</td>
<td></td>
<td></td>
<td>1,426.5</td>
<td>$10,150,000</td>
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</tbody>
</table>

\(^a\)The area of an average city block is estimated as being five acres.

\(^b\)The MMSD Green Infrastructure Plan recommends the planting of nine new trees per average city block. The area of the portion of the Root River watershed that is located within the MMSD planning area is about 9,190 average city blocks.

\(^c\)The plan defines large buildings as those with roof areas greater than 6,500 square feet.

Source: Milwaukee Metropolitan Sewerage District.
Water Quality Plan Elements

- Urban Nonpoint Source Pollution
- Green infrastructure – Implementation by 2035

Table 81

<table>
<thead>
<tr>
<th>Green Infrastructure Strategy</th>
<th>Units</th>
<th>Number of Units</th>
<th>Average Annual Stormwater Volume Captured (million gallons)</th>
<th>Cost (dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porous Pavement</td>
<td>Average city blocks$^a$</td>
<td>1,260</td>
<td>17,837.8</td>
<td>$44,000,000</td>
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<tr>
<td>Bioretention/ Rain Gardens</td>
<td>150-square-foot rain gardens</td>
<td>25,000</td>
<td>600.0</td>
<td>$49,000,000</td>
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<tr>
<td>Stormwater Trees</td>
<td>Trees$^b$</td>
<td>82,710</td>
<td>116.2</td>
<td>$12,000,000</td>
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<tr>
<td>Green Roofs</td>
<td>Buildings with 5,000-square-foot green roofs</td>
<td>1,000</td>
<td>85.0</td>
<td>$25,000,000</td>
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<tr>
<td>Cisterns</td>
<td>Large buildings with 1,000-gallon cisterns$^c$</td>
<td>280</td>
<td>15.9</td>
<td>$1,000,000</td>
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<tr>
<td>Native Landscaping</td>
<td>Average city blocks$^a$</td>
<td>200</td>
<td>566.3</td>
<td>$3,000,000</td>
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<tr>
<td>Rain Barrels</td>
<td>Number</td>
<td>22,400</td>
<td>68.6</td>
<td>$3,000,000</td>
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<tr>
<td>Soil Amendments</td>
<td>Average city blocks$^a$</td>
<td>500</td>
<td>1,197.9</td>
<td>$8,000,000</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>-</strong></td>
<td><strong>20,487.7</strong></td>
<td><strong>$145,000,000</strong></td>
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</table>

$^a$The area of an average city block is estimated as being five acres.

$^b$The MMSD Green Infrastructure Plan recommends the planting of nine new trees per average city block. The area of the portion of the Root River watershed that is located within the MMSD planning area is about 9,190 average city blocks.

$^c$The plan defines large buildings as those with roof areas greater than 6,500 square feet.

Source: Milwaukee Metropolitan Sewerage District.
Water Quality Plan Elements

- Rural Nonpoint Source Pollution
  - Expand applications of practices to reduce soil loss from cropland below the allowable rate of soil erosion ("T")
  - Provision of six months manure storage for all livestock operations with 35 or more combined animal units
  - Nutrient management plans
    - Apply manure and fertilizer in accordance with these
  - Barnyard runoff control systems for all livestock operations
  - Practices to exclude livestock from waterbodies and riparian areas
Water Quality Plan Elements

- Rural Nonpoint Source Pollution
  - Convert marginal cropland and pastureland to wetlands or prairie
    - Lands that are not classified as having prime agricultural soils by NRCS
    - 8,685 candidate acres in the watershed
Water Quality Plan Elements

- Rural Nonpoint Source Pollution
  - Riparian buffers
    - Protect and expand buffers to the greatest extent possible with a minimum 75-foot width and an optimum 1,000-foot width goal
    - Protect and increase the continuity and connectivity of buffers
    - More on buffers under habitat
Rural Nonpoint Source Pollution

- Conduct pilot projects to evaluate the performance of several agricultural BMPs to determine their usefulness in reducing nutrient contributions from fields
  - Drainage water management
  - Saturated buffers
  - Wood chip bioreactors

Water Quality Plan Elements

- Saturated buffer
- Drainage water management
- Wood chip bioreactor
Water Quality Plan Elements

- **Point Source Pollution**
  - Refine unrefined sewer service areas
  - City of Racine and Village of Union Grove continue to maintain and operate wastewater treatment plants
  - Abandon Yorkville wastewater treatment plant when it reaches the end of its useful life
    - Connect its service area to the Racine system
  - Municipalities construct and maintain local sewer systems
  - Eliminate discharges from sewer flow relief points in sewerage systems
Water Quality Plan Elements

- **Point Source Pollution**
  - Facilities planning to establish what new conveyance, pumping, and storage facilities are needed to provide service to areas in Caledonia and Mt. Pleasant that were added to the Racine and Environs sewer service area in 2007
  - Municipalities implement capacity, management, operations, and maintenance (CMOM) programs for sewerage systems and evaluate the need to reduce clearwater inflow and infiltration into sewers
Water Quality Plan Elements

- **Point Source Pollution**
  - Continue operation of the private wastewater treatment plant serving Fonk’s Mobile Home Park
    - Upgrade as necessary
    - Formulate level of treatment through WPDES permitting process
  - Continue to regulate wastewater treatment plant and industrial discharges through WPDES program
Water Quality Plan Elements

- Recommendations for fecal indicator bacteria and pathogens (in recreational use and access section)
  - Several recommendations echo water quality recommendations
  - Modification of MS4 illicit discharge detection and elimination programs
    - Transfer IDDE effort from major outfalls where no problems have been detected to other, previously screened outfalls
    - Control pet waste and waste from nuisance animals on as needed based on demonstrated water quality problems
Water Quality Plan Elements

• Monitoring – Watershed Conditions
  • Maintain and continue current monitoring efforts
    • MMSD, WDNR, USGS, WAV, and CLMN at current levels
    • Racine Health Department adjust frequency of sampling
  • Expand monitoring network to fill data gaps
    • Additional stations on 24 streams and 9 ponds
    • Automated, continuous monitoring at 2-4 “real-time” stations
    • Mussel surveys every 10 years
  • Periodically collate and analyze data and report results
    • At least once every 10 years
Water Quality Plan Elements

- Monitoring – Plan Implementation
  - Monitoring of implementation to be overseen by:
    - Sweet Water in the MMSD service area
    - Root-Pike WIN outside of the MMSD service area
  - Recommend that organizations implementing projects report initiation and completion to the appropriate overseer
  - Root River Plan Advisory Group to continue and meet annually to evaluate status of implementation
  - Established schedule and milestones for evaluating implementation
Recreational Access

- Additional carry-in landing
  - Two alternative sites
- Evaluate feasibility of creating and maintaining a channel through debris jams
  - If implemented add a canoe landing in parkway
Specific Projects

- The plan recommends over 240 specific projects
- These partly implement the general recommendations

Sources

- Public input at December 4, 2013 public meeting
- Plans and engineering surveys and reports reviewed
- Suggestions from State, county, MMSD, and municipal staff
- Suggestions from nongovernmental organizations
- Stream surveys by SEWRPC staff
Specific Projects

- Urban stormwater management
- Riparian buffer installation
- Agricultural nonpoint source pollution control
- Land acquisition for natural areas
- Instream habitat enhancements

- Streambank stabilization and protection
- Invasive species removal and management
- Repair of degraded outfalls
- Recreational access
- Specific monitoring projects
## Specific Projects

<table>
<thead>
<tr>
<th>ID Number</th>
<th>Focus Area Addressed</th>
<th>Location</th>
<th>Municipality</th>
<th>County</th>
<th>Owner</th>
<th>Management Action</th>
<th>TSS (pounds)</th>
<th>Total Phosphorus (pounds)</th>
<th>Fecal Coliform Bacteria (trillion cells)</th>
<th>Responsible Party</th>
<th>Capital</th>
<th>Annual O&amp;M</th>
<th>Potential Funding Sources</th>
<th>Potential Technical Assistance</th>
<th>Priority</th>
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</thead>
<tbody>
<tr>
<td>GFD-01</td>
<td>Water Quality</td>
<td>Northwest of W. Morgan Avenue and S. 10th Street</td>
<td>City of Greenfield</td>
<td>Milwaukee County</td>
<td>Installation of stormwater pond with 0.5 acre permanent pool to treat runoff from a contributing area of 30 acres</td>
<td>8,000</td>
<td>19</td>
<td>3.96</td>
<td>City of Greenfield</td>
<td>$287,000</td>
<td>$4,960</td>
<td>55, 64, 67</td>
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<td>GFD-02</td>
<td>Water Quality</td>
<td>Northwest of W. Coldspring Road and S. 104th Street along Root River</td>
<td>City of Greenfield</td>
<td>Milwaukee County</td>
<td>Installation of stormwater pond with 0.5 acre permanent pool to treat runoff from a contributing area of 41 acres</td>
<td>4,200</td>
<td>7</td>
<td>5.41</td>
<td>City of Greenfield</td>
<td>185,000</td>
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<td>WDRN</td>
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<td>GFD-03</td>
<td>Water Quality</td>
<td>East of I-43/US-45 intersection near north end of W. Spring Green</td>
<td>City of Greenfield</td>
<td>Milwaukee County</td>
<td>Installation of stormwater pond with 0.5 acre permanent pool to treat runoff from a contributing area of 31 acres</td>
<td>3,850</td>
<td>6</td>
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<td>189,000</td>
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<td>City of Greenfield</td>
<td>State of Wisconsin</td>
<td>Installation of stormwater pond with 0.5 acre permanent pool to treat runoff from a contributing area of 30 acres</td>
<td>4,400</td>
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<td>1.58</td>
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<td>177,000</td>
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<td>Northwest of W. Coldspring Road and S. 94th Street at St. John School</td>
<td>City of Greenfield</td>
<td>St. John School</td>
<td>Installation of stormwater pond with 0.5 acre permanent pool to treat runoff from a contributing area of 30 acres</td>
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<td>27</td>
<td>9.50</td>
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<td>658,000</td>
<td>6,600</td>
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<td>GFD-09</td>
<td>Water Quality</td>
<td>Southeast of W. Coldspring Road and S. 92nd Street, Wisconsin Electric Power Company right-of-way</td>
<td>City of Greenfield</td>
<td>We Energies</td>
<td>Installation of stormwater pond with 0.2 acre permanent pool to treat runoff from a contributing area of 25 acres</td>
<td>4,400</td>
<td>8</td>
<td>3.37</td>
<td>City of Greenfield</td>
<td>234,000</td>
<td>3,880</td>
<td>55, 64, 67</td>
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<td>GFD-10</td>
<td>Water Quality</td>
<td>Northwest of W. Coldspring Road and S. 100th Street on drainage right-of-way</td>
<td>City of Greenfield</td>
<td>City of Greenfield</td>
<td>Installation of stormwater pond with 0.4 acre permanent pool to treat runoff from a contributing area of 40 acres</td>
<td>8,650</td>
<td>12</td>
<td>6.47</td>
<td>City of Greenfield</td>
<td>153,000</td>
<td>4,260</td>
<td>55, 64, 67</td>
<td>WDRN</td>
<td>High</td>
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<td>GFD-11</td>
<td>Water Quality</td>
<td>East of S. 84th Street and north of 142nd</td>
<td>City of Greenfield</td>
<td>Milwaukee County</td>
<td>Installation of stormwater pond with 0.4 acre permanent pool to treat runoff from a contributing area of 45 acres</td>
<td>7,800</td>
<td>14</td>
<td>6.20</td>
<td>City of Greenfield</td>
<td>225,000</td>
<td>4,260</td>
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<td>WDRN</td>
<td>High</td>
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<td>GFD-15</td>
<td>Water Quality</td>
<td>Northwest of W. Howard Avenue and S. 118th Street along Root River</td>
<td>City of Greenfield</td>
<td>City of Greenfield</td>
<td>Installation of stormwater pond with 0.3 acre permanent pool to treat runoff from a contributing area of 30 acres</td>
<td>4,200</td>
<td>7</td>
<td>3.96</td>
<td>City of Greenfield</td>
<td>120,000</td>
<td>3,760</td>
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<td>WDRN</td>
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<td>GFD-16</td>
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<td>North of W. Beloit Road along Wild Creek near S. 110th Street</td>
<td>City of Greenfield</td>
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<td>Installation of stormwater pond with 1.0 acre permanent pool to treat runoff from a contributing area of 121 acres</td>
<td>16,200</td>
<td>31</td>
<td>16.07</td>
<td>City of Greenfield</td>
<td>358,000</td>
<td>7,260</td>
<td>55, 64, 67</td>
<td>WDRN</td>
<td>High</td>
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<td>Northeast of W. Howard Avenue along Root River</td>
<td>City of Greenfield</td>
<td>City of Greenfield</td>
<td>Installation of stormwater pond with 0.2 acre permanent pool to treat runoff from a contributing area of 29 acres</td>
<td>3,400</td>
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<td>3.04</td>
<td>City of Greenfield</td>
<td>129,000</td>
<td>3,860</td>
<td>55, 64, 67</td>
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<td>Medium</td>
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<td>GFD-19</td>
<td>Water Quality</td>
<td>East of I-43/44 north of W. Coldspring Road in Wisconsin Electric Power Company right-of-way</td>
<td>City of Greenfield</td>
<td>We Energies</td>
<td>Installation of stormwater pond with 1.0 acre permanent pool to treat runoff from a contributing area of 213 acres</td>
<td>37,000</td>
<td>73</td>
<td>28.10</td>
<td>City of Greenfield</td>
<td>1,527,000</td>
<td>11,760</td>
<td>55, 64, 67</td>
<td>WDRN</td>
<td>High</td>
<td></td>
</tr>
<tr>
<td>LRC-03</td>
<td>Habitat</td>
<td>Norholson Wildlife Refuge</td>
<td>Village of Caledonia</td>
<td>Village of Caledonia</td>
<td>Remove invasive plants species, restore site</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Village of Caledonia</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>High</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LRC-04</td>
<td>Water Quality</td>
<td>Husker Creek south of 5 Mile Road</td>
<td>Village of Caledonia</td>
<td>--</td>
<td>Add water quality monitoring station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>City of Racine Health Department or WAC Program</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Medium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LRC-07</td>
<td>Habitat, Water Quality, Recreational Use and Access</td>
<td>Husker Creek south of 7 Mile Road</td>
<td>Village of Caledonia</td>
<td>Private landowner, Racine County</td>
<td>Stream rehabilitation, naturalization, or bank stabilization project to address eroding streambanks. Remandering of channelized reaches including addition of buffer and canopy cover</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Private landowner, Racine County</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Low</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Specific Projects

• Estimates of pollutant load reductions
  • TSS, total phosphorus and fecal coliform bacteria

• Costs

• Identification of potential funding sources

• Prioritization of projects
  • Identification of high-priority projects
Implementation

- Recommend that units of government located in the watershed adopt the plan by resolution
  - Includes a model resolution
- The plan includes an information and education element
  - Designed to provide information to elected officials, county and municipal staffs, businesses, residents, news media, and general public
- Extensive section on sources of financial and technical assistance
  - Descriptions and contact information for over 70 programs
Project Web Site


- Plan report
- Summary notes from Advisory Group meetings
- Presentations from RRRPG meetings