

# NORTH MILL CREEK/DUTCH GAP CANAL WATERSHED PLANNING MEETING SUMMARY APRIL 29, 2010, 6:30 - 8:30 PM

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This meeting summary and all meeting materials can be found at  
[www.lakecountyiil.gov/Stormwater/LakeCountyWatersheds/NorthMill.htm](http://www.lakecountyiil.gov/Stormwater/LakeCountyWatersheds/NorthMill.htm)

## **1. Introductions & Announcements**

Mike Prusila, Watershed Planner, Lake County Stormwater Management Commission (SMC) welcomed new and returning stakeholders and introduced Jodi McCarthy, Civil Engineer. He stated that Patty Werner, the Planning Supervisor at SMC, would be in attendance at the next meeting. These introductions were followed by meeting participants introducing themselves. A list of the meeting attendees is included with this report.

- Follow-up from last meeting:
  - *Is there a WI program analogous to the IL Conservation Opportunity Areas (COA's) and State Wildlife Action Plan?* Yes, the WI DNR and the WI Wildlife Action Plan identify COAs in much the same way as IL does (geographic areas with high concentrations or known presence of species in need of conservation), however, there are none in the Dutch Gap watershed in WI. The closest WI COA is Chiwaukee Prairie along Lake Michigan. Every other year, WI DNR issues an RFP for the State Wildlife Grant program which is the primary funding source for plan implementation. An RFP for this program is due out this fall. Owen Boyle is the WI DNR contact for this program.
    - Owen D. Boyle, PhD Endangered Resources Ecologist  
Wisconsin Department of Natural Resources  
2300 N. Martin Luther King, Jr. Drive  
Milwaukee, WI 53212 414.263.8681  
[owen.boyle@wisconsin.gov](mailto:owen.boyle@wisconsin.gov)
  - *Are there programs in WI similar to the 319 grant program in IL?* Yes, there are two water quality grant programs administered by WI DNR: the Urban Nonpoint Source & Stormwater Grant Program which targets urban areas and areas served by municipal storm sewers (MS4s). There is only a portion of a subdivision on Lake Shangrila/Benet Lake that is within the Bristol MS4, and therefore this program is probably not applicable. The other program is the Targeted Runoff Management Grant program that is targeted at rural areas. Although priority is given to waters on the 303(d) list (impaired waters), of which there are none in the WI portion of the Dutch Gap/North Mill watershed, the program could still fund projects in the watershed outside of the Bristol MS4 because the DNR funds projects in every part of the state and this area has historically had few applications to the program. Information and contacts pertaining to these programs can be found as listed below:
    - Targeted Runoff Management Grant Program:  
<http://dnr.wi.gov/runoff/grants/trm.htm>

- Urban Nonpoint Source & Storm Water Management Program: <http://dnr.wi.gov/runoff/grants/unps.htm>
- Notice of Discharge Project Grant Program: <http://dnr.wi.gov/runoff/grants/applications/NOD.htm>
- Lakes Grants: <http://dnr.wi.gov/lakes/grants/>
- Rivers Grants: <http://dnr.wi.gov/org/water/rivers/grants/>
- 303d List: <http://dnr.wi.gov/org/water/wm/wqs/303d/303d.html>
- TMDLs: <http://dnr.wi.gov/org/water/wm/wqs/303d/TMDL.html>
- Surface Water Data Viewer: [http://dnr.wi.gov/org/water/data\\_viewer.htm](http://dnr.wi.gov/org/water/data_viewer.htm)
- Michelle Lehner, Agricultural Runoff Specialist  
Wisconsin DNR  
2300 N Dr. Martin Luther King Jr Dr.  
Milwaukee, WI 53212  
[michelle.lehner@wisconsin.gov](mailto:michelle.lehner@wisconsin.gov)

- *Is there is a private WWTP in the WI Dutch Gap watershed at Rainbow Lake Manor?* SMC confirmed that there is a private WWTP at Rainbow Lake Manor and the information will be included in the Watershed Plan.
- *Is the Antioch Facility Planning Area going to extend into the North Mill Creek Watershed?* SMC made several contacts and there was no knowledge of an expansion to the Antioch FPA at this time.
- A resident asked if this was a part of the larger Des Plaines River plan that is currently under review by the USACE and IDNR. Mike explained that the North Mill Creek plan is a more detailed look at the specific North Mill Creek watershed and is not directly connected to this plan, but that it would provide a benefit to the overall planning efforts for the region. Jim Anderson of the LCFPD and Dan Treloar of the Kenosha County Planning and Development provided some background on the flood study that the Army Corps of Engineers has been working on since the late 1990s for the entire Des Plaines River, which is still under review. The SE WI Regional Planning Commission (SEWRPC) developed a detailed watershed plan known as the Des Plaines Phase II Study and is for the Des Plaines River in 2003. Mike Hahn from SEWRPC will be at the next watershed planning meeting to discuss this plan, among other topics. The report can be accessed through the following links:
  - <http://www.sewrpc.org/SEWRPC/Environment/LegacyWatershedPlans.htm>
  - [http://maps.sewrpc.org/publications/pr/pr-044\\_part-01\\_plan\\_for\\_des\\_plaines\\_watershed.pdf](http://maps.sewrpc.org/publications/pr/pr-044_part-01_plan_for_des_plaines_watershed.pdf)
  - [http://maps.sewrpc.org/publications/pr/pr-044\\_part-02\\_plan\\_for\\_des\\_plaines\\_watershed.pdf](http://maps.sewrpc.org/publications/pr/pr-044_part-02_plan_for_des_plaines_watershed.pdf)
  - [http://maps.sewrpc.org/publications/pr/pr-044\\_part-03\\_plan\\_for\\_des\\_plaines\\_watershed.pdf](http://maps.sewrpc.org/publications/pr/pr-044_part-03_plan_for_des_plaines_watershed.pdf)
- Residents expressed concern that they live near the Des Plaines River and are having flooding issues. They questioned if this project / plan will affect their current flooding issues. SMC clarified that the current sequence of public meetings is part of the watershed planning process and is not for any particular capital project. Mike stated that the watershed plan focuses on the North Mill Creek/Dutch Gap Canal Watershed and therefore will not specifically address individual flood problems along the mainstem of the Des Plaines River in WI or IL, but there is potential that the recommendations for flood mitigation projects in this plan may have positive impacts downstream and on the overall larger Des Plaines Watershed.

## **2. Review and accept March meeting summary**

There were no comments on the March meeting summary and it was accepted by consensus.

## **3. "Getting to Know" the**

### **a. Lake County Forest Preserve District**

Jim Anderson of the Lake County Forest Preserve District gave a presentation that detailed the forest preserve sites throughout the watershed. Jim pointed out the trail system and discussed the potential expansion of the Millennium Trail system into the watershed. Jim discussed the proposed dam removal and stream rehabilitation at Rasmussen Lake. The question was raised regarding the effect of dam removal on water quality down stream, particularly considering that the water quality in Rasmussen Lake is very poor. Jim responded that the lake environment caused by the dam is one of the main contributors to poor water quality. Removal of the dam would return the system to a free-flowing stream and likely improve water quality downstream. The question was raised as to whether the LCFPD would use poison to remove all the carp from the lake prior to removal of the dam. Jim responded that it likely would not poison all the fish in lake because the treatment would be very expensive to treat the entire lake with a lethal dose and the toxins used are not species-specific, so it would kill all fish.

### **b. Lake County Planning and Development Department**

Tom Chefalo from the Lake County Planning, Building and Development Department discussed Lake County PB&D's role in land planning and zoning. Tom described the Lake County Regional Framework Plan adopted in 2004, which is the countywide comprehensive plan for managing land use, directing growth, and protecting the natural environment (can be found at <http://www.lakecountyiil.gov/Planning/PlanningandSupportServices/FrameworkPlan.htm>) Tom also discussed the division between the County's land use planning and zoning authority in unincorporated areas and municipalities' authority within their own corporate limits. Tom also described how the Department uses existing zoning and the comprehensive plans of municipalities to develop the future land use maps for the County.

## **4. Presentation & questions/comments regarding land use and projected future land use**

### **a. Kenosha County Planning and Development**

Dan Treloar from the Kenosha County Planning and Development discussed Kenosha County's role in land planning and zoning. He focused on the "Smart Growth" plan that the County has been developing ([http://www.co.kenosha.wi.us/plandev/smart\\_growth/index.html](http://www.co.kenosha.wi.us/plandev/smart_growth/index.html)). On April 20, 2010, the Kenosha County Board of Supervisors voted unanimously to adopt *A Multi-Jurisdictional Comprehensive Plan for Kenosha County: 2035*. Dan also provided a variety of maps that show the existing and anticipated future land use throughout the watershed. Dan discussed the anticipated preservation areas and growth in the watershed. He also discussed the Des Plaines River Watershed Comprehensive Plan that was prepared by the

Southeastern Wisconsin Regional Planning Commission in 2003 as it relates to the North Mill/Dutch Gap watershed.

### ***b. Lake County Planning and Development***

Tom shared maps that show the current land use and anticipated future land use in 2030 for Lake County. He discussed the areas where residential and commercial growth is expected, and maps can be found at <http://www.lakecountyil.gov/Planning/PlanningandSupportServices/FrameworkPlan.htm>. He also discussed the Route 173 Corridor Council and the Edwards Road Area Plan generated in 2004. More information can be found at <http://lakecountyil.gov/Planning/PlanningandSupportServices/Rt173CorridorPlanningCouncil.htm>

### ***5. Recap of prioritization of issues and opportunities***

Jodi provided a brief recap of the prioritization voting results for the issues and opportunities discussed at the previous stakeholder meetings. She referred the stakeholders to the handouts at the sign-in table for the detailed voting results (attached at the end of this summary).

### ***6. Begin developing watershed plan goals***

Mike provided a brief presentation that explained how the issues and opportunities discussed in the previous meetings will be molded into the plan goals and objectives. He also introduced the other elements that the stakeholders will be involved in developing, including a mission statement and a vision statement. His presentation is available on the website and is appended to this document. Mike provided a list of goal areas developed from the prioritized list of issues and opportunities from the previous meetings. The stakeholders began to discuss and develop potential statements or ideas to include in each of the goal areas. The project team will formulate draft goals from this list for consideration and discussion at a future meeting. The list of goal areas and statements is shown in the chart below. There was particular interest in the farmland preservation portion of the goals and it was suggested that the farm bureaus be consulted for their opinions concerning this goal.

## GOAL AREAS FOR WATERSHED PLAN

GOAL AREA	POTENTIAL GOALS	PRIORITY ISSUES or POTENTIAL OBJECTIVES
<b>Flooding</b>	Prevent/reduce flood damage; Prevent future flooding*; Prevent/reduce farmland flooding	Flooding; future flooding; maintain floodplain buffers; enforce floodplain regulations; runoff volume reduction elevated water in Dutch Gap; channel capacity increase; maintain drainage systems (tiles & surface drainage); correct flooding due to drain tile failures
<b>Water Quality</b>	Improve water quality in lakes, streams & wetlands Prevent future impacts to water quality* <b>Employ green infrastructure to improve water quality</b> <b>Reduce/eliminate impairments</b>	Negative water quality trend; quality & ecological functionality of water bodies; impairments; Non-point source pollution & nutrients; impact of septic systems on water quality incentives for buffers; implement BMPs; runoff quality
<b>Stream/Lake Health</b>	Protect, enhance and restore stream and lake health <b>(ecological functionality)</b>	Siltation/sedimentation of waterways; Rasmussen Lake. dam removal; Erosion control near streams & lakes & upstream/upland impacts; stream restoration
<b>Natural Resources</b>	Protect, enhance, & restore natural resources; Natural resource mgmt.; Environmental corridor (green infrastructure) <b>Increase open space to enhance natural resources</b>	Invasive plants & diversity loss in natural areas; Protection of environmental corridor, wetlands, & sensitive/high quality natural areas; Beavers/beaver dams; wetland restoration/preservation
<b>Land Use &amp; Development</b>	Protect natural drainage; preserve open space; new development to benefit <del>(rather than</del> or not degrade) water resources*; <b>purchase rights (easements) for open space</b>	Open space purchase and preservation; implement stormwater best mgmt. practices on new development
<b>Education, Information, Outreach, &amp; Coordination</b>	Residents/property owners, communities, developers, <b>government agencies / jurisdictions</b> have adequate info to implement plan;	Increase awareness of de-icing/road salt alternatives; provide tech. assistance to
<b>Farmland</b>	Preserve farmland; protect farmland from flooding; sustainable agricultural practices, <b>Purchase of Development Rights (PDR) programs / Purchase of Agricultural Conservation Easements (PACE) programs (programs in Wisconsin), NRCS programs, agricultural easement purchase (in Lake County) –note: Old Mill Creek has Village Green</b>	Maintain drainage/tile systems; incentives for sustainable agricultural practices

Red text indicates revisions to statement made during the meeting

## April 29, 2010 Meeting Attendees

Last Name	First Name	Company
Anderson	James L.	Lake County Forest Preserve Dist.
Block	Steve	Homeowner
Chefalo	Thomas J.	Lake County Planning, Bldg. & Dev.
Elfering	Noel	Town of Bristol
Gossling	Richard J.	Town of Bristol
Hunley	Joseph	Landowner
Knysz	Peter M.	Christopher B. Burke Eng., Ltd.
Lekor	Chris	Farmer
McCabe	John	Town of Bristol
McCarthy	Jodi	Lake County Stormwater Mgmt.
Fisch	Colleen	Town of Bristol / Kenosha Racine Land Trust
Ness	Jim & Jeanne	Homeowner
Paap	Kathy	Lake County Health Department
Probst	Therese	Kenosha Racine Land Trust
Prusila	Mike	Lake County Stormwater Mgmt.
Renwick	Jim	Renwick Nursery
Stellberg	Mickey	HOA Mill Creek Crossing
Treloar	Dan	Kenosha County PB&D
Yamin	Yamin A.	James Anderson Company, Inc.

# **North Mill Creek/Dutch Gap Canal Watershed Plan** **Contact and Information Sheet**

You can follow the planning process and view meeting documents at:

[www.lakecountyil.gov/Stormwater/LakeCountyWatersheds/NorthMill.htm](http://www.lakecountyil.gov/Stormwater/LakeCountyWatersheds/NorthMill.htm)

**Lake County Stormwater Management - [www.lakecountyil.gov/Stormwater](http://www.lakecountyil.gov/Stormwater)**

- Patty Werner - 847-377-7717  
[pwerner@lakecountyil.gov](mailto:pwerner@lakecountyil.gov)
- Jodi McCarthy - 847-377-7711  
[jmccarthy@lakecountyil.gov](mailto:jmccarthy@lakecountyil.gov)
- Mike Prusila - 847-377-7713  
[mprusila@lakecountyil.gov](mailto:mprusila@lakecountyil.gov)

**Lake County Health Department - [www.lakecountyil.gov/Health](http://www.lakecountyil.gov/Health)**

- Mike Adam - 847-377-8002  
[madam@lakecountyil.gov](mailto:madam@lakecountyil.gov)
- Kathy Paap - 847-377-8021  
[kpaap@lakecountyil.gov](mailto:kpaap@lakecountyil.gov)

**Lake County Planning Building & Development - [www.lakecountyil.gov/Planning](http://www.lakecountyil.gov/Planning)**

- Tom Chefalo – 847-377-2120  
[tchefalo@lakecountyil.gov](mailto:tchefalo@lakecountyil.gov)

**Kenosha County Department of Planning & Development - [www.co.kenosha.wi.us/plandev](http://www.co.kenosha.wi.us/plandev)**

- Daniel Treloar – 262-857-1895  
[dtreloar@co.kenosha.wi.us](mailto:dtreloar@co.kenosha.wi.us)

**Lake County Forest Preserve - [www.lcfpd.org](http://www.lcfpd.org)**

- Jim Anderson – 847-968-3282  
[janderson@LCFPD.org](mailto:janderson@LCFPD.org)

**Please note that Stormwater Management Commission (SMC), Lake County Health Department (LCHD), and Lake County Planning Building & Development (PB&D) offices have moved!**

New address: 500 W. Winchester, Libertyville, IL 60048  
New general phone number for SMC: 847.377.7700  
New general phone number for LCHD: 847.377.8030  
New general phone number for LCPBD: 847.377.2600

**NORTH MILL CREEK/DUTCH GAP CANAL  
WATERSHED ISSUES AND OPPORTUNITIES IDENTIFICATION  
AND PRIORITIZATION - MEETING VOTE RESULTS  
MARCH 25, 2010**

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**FACILITATED SESSION SUMMARY**

The following questions were posed to stakeholder participants during the facilitated “brain storming” session of the afternoon and evening planning kick-off meetings:

**Issues**

1. What are the existing concerns or issues regarding water resources where you live/work in the North Mill/Dutch Gap Watershed?
2. Do you foresee future issues or problems related to water resources?
3. Do you think there are any necessary steps that need to be taken to address existing or future issues in the watershed? What are they?

**Opportunities**

1. What makes the North Mill Creek/Dutch Gap watershed a good place to live/work? What features do you like about the watershed?
2. What are the important resources that need to be preserved?
3. What are some steps that can be taken to capitalize on current opportunities?
4. Is there information that people need to know in order to address issues or take advantage of opportunities?

## WATERSHED ISSUES (Current & Future)

PRIORITY	ISSUE	REPEAT*
<b>Topic: (voting results)</b>	<b>Flooding</b> <b>TOTAL TOPIC VOTE = 64</b>	
<b>24</b>	Flooding (Lake George, Dutch Gap, Des Plaines, local, agricultural land, )	<b>5</b>
<b>11</b>	Effects of flooding from future developments – extended flooding conditions (runoff volume increase, potential future changes in zoning and floodplains – filling floodplains),	<b>7</b>
<b>0</b>	Prevent development and fill in current floodplains and wetlands	
<b>25</b>	Elevated water level in Dutch Gap (loss of farmable land due to flooding or poor drainage)	
<b>4</b>	Outside organizations influencing flood zones (concern with projects outside of the watershed being mitigated in North Mill Creek watershed)	<b>1</b>
<b>0</b>	Floodplain map accuracy	
<b>Topic:</b>	<b>Water Quality - 4</b> <b>TOTAL TOPIC VOTE = 72</b>	
<b>5</b>	Inadequate stream buffers (Existing farm operations close to waterways - lack of buffers)	<b>2</b>
<b>55</b>	Water quality: (Negative water quality trend; quality and functionality of water body; impairments such as phosphorus, TSS, pesticides, chloride; non-point source pollution and nutrient load (phosphorus and fertilizers); water quality → septic)	<b>9</b>
<b>0</b>	Future development (water quality)	
<b>7</b>	Water quality (recreational overuse)	
<b>1</b>	Illegal dumping / runoff pollution	
<b>0</b>	Waste water treatment plant – effect on water quality (pharmacy/personal care contamination)	
<b>Topic: (voting results)</b>	<b>Stream/Lake Health</b> <b>TOTAL TOPIC VOTE = 59</b>	
<b>5</b>	Channelization of the creek (re-meandering)	<b>2</b>
<b>22</b>	Siltation of waterways (Sedimentation; lake sedimentation also upstream impacts)	<b>4</b>

PRIORITY	ISSUE	REPEAT*
13	Effect of Rasmussen Dam removal	
13	Erosion control – on stream / lake and surrounding (also upstream impacts)	
6	Chemical treatment on lakes	
<b>Topic:</b>	<b>Stormwater Management &amp; Drainage – 1</b> <b>TOTAL TOPIC VOTE = 27</b>	
14	Maintain drainage systems - tiles and surface drainage to keep farmland (Tiles)	2
0	Detention ponds – shoreline	
5	Trees and brush control and debris jams along the creek (north of Millburn on North Mill and on the Des Plaines; to help alleviate flooding )	2
7	Greater volume of runoff due to development	
0	Topography - low spots	
<b>Topic:</b>	<b>Climate Change</b> <b>TOTAL TOPIC VOTE = 0</b>	
0	Climate change consideration (such as increased rainfall)	2
<b>Topic:</b>	<b>Water Supply</b> <b>TOTAL TOPIC VOTE = 17</b>	
17	Groundwater / surface water depletion (water quality/quantity - well and irrigation; preserve recharge for ground water)	3
<b>Topic: (voting results)</b>	<b>Natural Resources</b> <b>TOTAL TOPIC VOTE = 72</b>	
16	Invasive plants (Losing diversity of plants in Redwing Slough (currently it is all cattails, Purple Loosestrife))	4
27	Protection of environmental corridor, wetlands, and sensitive natural areas	
4	Lack of natural area preservation (in Wisconsin) (open space preservation)	2
4	Invasive species (IE carp)	2

<b>PRIORITY</b>	<b>ISSUE</b>	<b>REPEAT*</b>
<b>0</b>	Wildlife Habitat – wetlands	
<b>0</b>	Loss of wildlife (Helicopter disruption of swans in the Redwing Slough area)	<b>2</b>
<b>21</b>	Beavers (Beaver dam control Hastings & Mill Creek; Paasch Lake also has been dammed up at the culvert, Mud Lake, Lake George)	<b>3</b>
<b>Topic:</b>	<b>Land/Water Use &amp; Impacts</b> <b>TOTAL TOPIC VOTE = 33</b>	
<b>0</b>	Recreational uses	
<b>6</b>	Sustainable agricultural uses	
<b>0</b>	Not addressing negative trends	
<b>2</b>	Population increase effects on watershed	<b>2</b>
<b>3</b>	Land use conversions (agriculture to residential, agricultural for preservation)	
<b>0</b>	Lake Shorelines – development	
<b>1</b>	Farmland (also upstream impacts)	
<b>16</b>	Development impacts (future development)	<b>2</b>
<b>5</b>	Farm expansion (in particular dairy and horse) impact on resources and water quality	
<b>Topic: (voting results)</b>	<b>Education/Information/Input - 5</b> <b>TOTAL TOPIC VOTE = 18</b>	
<b>12</b>	Lack of good information for homeowners and farmers	
<b>0</b>	Proper input from homeowners and farmers	
<b>1</b>	Public education of new residents on watershed issues and best practices	
<b>0</b>	Need more information on funding opportunities	
<b>Topic:</b>	<b>Inter-Jurisdictional/Multi-Stakeholder Cooperation</b> <b>TOTAL TOPIC VOTE = 0</b>	
<b>0</b>	Cooperation between states	
<b>0</b>	Lack of communication between existing landowners and certified villages when new subdivisions are constructed	
<b>0</b>	Enforcement of Department of Natural Resources in Wisconsin	

PRIORITY	ISSUE	REPEAT*
<b>Topic:</b>	<b>Property Rights &amp; Responsibilities – 2</b> <b>TOTAL TOPIC VOTE = 14</b>	
<b>0</b>	Usability of private property	
<b>7</b>	Farmland preservation	
<b>0</b>	Property value (near waterbodies)	
<b>0</b>	Condemnation concerns	
<b>5</b>	Control of lake levels	

\* Items that were repeated by other participants are reflected by the number of times they were repeated in the “Repeat” column.

## STEPS TO ADDRESS ISSUES

PRIORITY	ISSUE	REPEAT*
<b>Topic: (voting results)</b>	<b>Flooding</b> <span style="float: right;"><b>TOTAL TOPIC VOTE = 73</b></span>	
<b>0</b>	Compensatory flood storage	
<b>10</b>	Floodplain buffers maintain and expand	
<b>2</b>	Floodplain property purchase for open space	
<b>25</b>	(Correct) Flooding due to drain tile failure	
<b>19</b>	Enforce floodplain regulations	
<b>17</b>	Channel capacity increase	
<b>Topic:</b>	<b>Water Quality - 3</b> <span style="float: right;"><b>TOTAL TOPIC VOTE = 56</b></span>	
<b>12</b>	Buffers (and have better incentives)	
<b>5</b>	Initiative to decrease fertilizer use (nutrient management)	
<b>3</b>	(Address) Waterfowl pollution	
<b>13</b>	Best management practice implementation	
<b>2</b>	Production of meaningful data / TMDL	
<b>6</b>	Predictive model for land use on water quality	
<b>9</b>	(Identify/remediate) Toxic material sources	
<b>3</b>	Use beet juice as a salt alternative	
<b>Topic:</b>	<b>Stream Health</b> <span style="float: right;"><b>TOTAL TOPIC VOTE = 22</b></span>	
<b>13</b>	Restoration of Creek (Re-meander the creek, add pool riffles, recreate habitat)	<b>3</b>
<b>9</b>	Bank stabilization with natives (streambank stabilization)	<b>2</b>
<b>0</b>	Keep water out of the creek → infiltration	
<b>Topic: (voting results)</b>	<b>Stormwater Management &amp; Drainage – 2</b> <span style="float: right;"><b>TOTAL TOPIC VOTE = 28</b></span>	

<b>0</b>	Regional stormwater utility	
<b>6</b>	Pre-development hydrology (currently done by Town of Salem and Bristol)	
<b>2</b>	Promoting infiltration practices (creation for infiltration)	<b>2</b>
<b>11</b>	Maintaining runoff quantity and quality (Flow control – runoff volume reduction)	<b>2</b>
<b>0</b>	Retrofit detention and existing stormwater systems	
<b>5</b>	Come up with an easier system of removing debris from the Wisconsin streams without having to go through the red tape	
<b>1</b>	Employ more vegetated drainage swales	
<b>3</b>	New development regulations for open space and stormwater (promote conservation development)	
<b>Topic:</b>	<b>Land/Water Management – 1</b>	<b>TOTAL TOPIC VOTE = 40</b>
<b>17</b>	Sustainable agricultural practices	
<b>9</b>	Maintenance program for water ways	
<b>8</b>	Smart developments (sustainable)	
<b>5</b>	Present developments <ul style="list-style-type: none"> <li>○ Upgrading</li> <li>○ Green infrastructure</li> </ul>	
<b>Topic:</b>	<b>Natural Resources</b>	<b>TOTAL TOPIC VOTE = 72</b>
<b>41</b>	Wetland restorations / addition and preservation	<b>2</b>
<b>31</b>	Protection of high quality areas	
<b>Topic:</b>	<b>Funding</b>	<b>TOTAL TOPIC VOTE = 18</b>
<b>18</b>	Money established perpetual funding sources	
<b>0</b>	Tax incentives for rain gardens	
<b>Topic: (voting results)</b>	<b>Education/Information/Input - 4</b>	<b>TOTAL TOPIC VOTE = 25</b>

<b>0</b>	More understanding / education on how stormwater is implemented in Lake County	
<b>12</b>	Road salt reduction / deicing alternatives	
<b>5</b>	BMP education and incentives	
<b>1</b>	Educational programs (Environmental educational curriculum development K-12)	<b>2</b>
<b>3</b>	Phosphorus ban / not fertilizing lands (education and outreach)	
<b>Topic:</b>	<b>Inter-Jurisdictional/Multi-Stakeholder Cooperation – 5</b> <b>TOTAL TOPIC VOTE = 19</b>	
<b>0</b>	Implement Des Plaines plans and try to resolve potential conflicts between the DP plan and Kenosha Comprehensive Plan (in terms of land use)	
<b>2</b>	Consistency with land use planning / regulation across state lines	
<b>0</b>	Interstate coordination / regulations	
<b>12</b>	Discharge locations from detention basins onto farm fields – the Villages should require the developers to talk with the surrounding landowners about the discharge points since they are making the farmland unusable.	
<b>0</b>	BMP' plans enforced	
<b>Topic:</b>	<b>Property Rights &amp; Responsibilities TOTAL TOPIC VOTE = 16</b>	
<b>13</b>	Purchase of rights / easements for buffers	
<b>3</b>	Resident role in watershed management	

\* Items that were repeated by other participants are reflected by the number of times they were repeated in the “Repeat” column.

## WATERSHED OPPORTUNITIES

(What do like about the watershed? What needs to be protected?)

<b>PRIORITY (voting results)</b>	<b>OPPORTUNITY</b>	<b>REPEAT*</b>
<b>39</b>	Rural setting, but close to everything (Quiet, rural flavor; Mix of open space and built environment; Current agricultural / rural feel; Good balance of open space, farming, and built environments)	<b>9</b>
<b>70</b>	Open land (Large open / undeveloped areas; Open space - forest preserves, trails, etc; High quality natural areas; Nature, wildlife & habitat; Open land and deer (wildlife habitat))	<b>11</b>
<b>46</b>	Water resources: lakes, streams, wetlands (Lakes and Redwing Slough),	<b>5</b>
<b>48</b>	Farmlands (Good productive land; Excellent quality agricultural land; Farmland preservation)	<b>4</b>
<b>16</b>	Aquifers / water conservation	
<b>3</b>	Friendly people	
<b>2</b>	Lake views and scenery	
<b>6</b>	Love it, but getting too crowded (Keeping subdivisions out)	<b>2</b>
<b>20</b>	Water quality and fish (Water body quality → improve!)	<b>2</b>
<b>1</b>	Economic security (locally grown food)	
<b>0</b>	Development – future (making it positive) - especially Route 173 / Tollway	

\* Items that were repeated by other participants are reflected by the number of times they were repeated in the “Repeat” column.

## STEPS TO PROTECT WATERSHED OPPORTUNITIES / BENEFITS

<b>PRIORITY (voting results)</b>	<b>OPPORTUNITY</b>	<b>REPEAT*</b>
<b>39</b>	Good planning and management (Work with municipalities - comprehensive plans and updates)	<b>3</b>
<b>8</b>	Restoration (prairie and wetland) as mitigating factor	<b>2</b>
<b>16</b>	Strong education outreach for buy-in (Education & outreach)	<b>2</b>
<b>18</b>	Finding funding (Grants (money for Wisconsin and Illinois))	<b>2</b>
<b>36</b>	Open space purchase and preservation (Land preservation; Wisconsin open space preservation (buyers market...its time to buy))	<b>4</b>
<b>12</b>	Incentives for change and implementation (Increased level of tax incentives for floodplain and open space set aside)	<b>3</b>
<b>1</b>	Encourage landowners <ul style="list-style-type: none"> <li>○ Some already conservation minded</li> </ul>	
<b>16</b>	Any future development presents opportunities Detention options – wetland, groundwater recharge	
<b>0</b>	Route 45 and Edwards – future school site used as a demonstration site	
<b>5</b>	Strong environmental friendly zoning authority	
<b>6</b>	Ordinances for residential development <ul style="list-style-type: none"> <li>○ Promote no phosphorus fertilizers</li> <li>○ Enforcement</li> </ul>	
<b>0</b>	Wisconsin DNR enforcement	
<b>6</b>	Targeting pollutants and sediment	
<b>5</b>	Road salt reduction (smart de-icing practices)	
<b>8</b>	Education about pharmacy contamination treatment	
<b>3</b>	Promotion of conservation management for agriculture (ie lower phosphorus application rates)	
<b>4</b>	Promotion of manure management for smaller farms not currently required to implement them	

\* Items that were repeated by other participants are reflected by the number of times they were repeated in the “Repeat” column.

**WHAT DO PEOPLE NEED TO KNOW TO ADDRESS ISSUES OR TAKE ADVANTAGE OF OPPORTUNITIES? (NO VOTING ON THIS TOPIC)**

PRIORITY	OPPORTUNITY	REPEAT*
----	Reasons why planning is important to protect features and communicate the consequences	
----	Cohesive community	
----	Importance of buffers	
----	Educate through the schools (K-12 environmental curriculum)	2
----	What impact do I have on the watershed (How their actions affect resources)	2
----	What can I do?	
----	Public Education (Public awareness)	2
----	Funding opportunities - availability	
----	Educate about erosion in streams, development, and land use	
----	What makes a good creek bank	
----	Information access (get the word out)	
----	Time to act is now	
----	Audit / recommended changes to subdivision ordinances	
----	Sewage/WWTP customer education	

\* Items that were repeated by other participants are reflected by the number of times they were repeated in the “Repeat” column.