

# LAND & WATER RESOURCE MANAGEMENT WORK PLAN (2016–2020)

*Notes: All goals are of equal priority. Objectives under each goal were assigned a rank of High or Medium by the Citizen's Advisory Committee. Status of planned actions are listed as ongoing, as the opportunity arises (AOA), or scheduled for completion during a specific year. The leadership role is assumed to be the LWCD for each action step, unless another entity is indicated first as providing the lead role. Agency acronyms listed on page i.*

## ***DEVELOPMENT ISSUES & PLANNED ACTIONS***

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***GOAL: Improve and implement planning strategies and programs that protect and preserve land and water resources***

| WORKPLAN OBJECTIVES   | PLANNED ACTION & OUTCOMES   | STATUS OF PLANNED ACTIONS | AGENCY                               |
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| 1. Preserve and restore stream corridor, lake shoreland, wetland and floodplain areas.<br><i>Rank = High</i>  | Assist and advise the Planning Division with amendments to the Comprehensive Plan regarding the management and preservation of wetland and floodplain areas.              | ONGOING                   | PD, LWCD                             |
|   | Assist with the identification of stream corridor and floodplain areas to be preserved and/or restored.   | AOA                       | PD, LWCD, SEWRPC, RO, SWWT           |
|   | Develop and maintain a Wetland Restoration Inventory (inventory development completed by 12/2011). Annually assess a minimum of 2 sites to determine landscape functions. | ONGOING                   | LWCD, UFSWS, WDNR, NRCS, DU          |
|   | Work with partners interested in providing identification of watershed and wetland boundaries.  | AOA                       | LWCD, LO, LT                         |
|   | Promote BMP programs and conservation easements through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).      | ONGOING                   | LWCD, NRCS, WDNR, LT, MMSD, RO, SWWT |
| 2. Support State efforts to pursue water quality objectives through the development and implementation of TMDL limits in designated EPA 319 watersheds.<br><i>Rank = High</i> | Participate in the development and implementation of TMDL watershed plans designed to address water quality impairments.  | AOA                       | DNR, , LWCD, MMSD, LG                |
|   | Explore opportunities to partner in adaptive management and/or water quality trading programs.  | AOA                       | LWCD, LG                             |

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| <p>3. Protect and maintain woodlands, environmental corridors, exceptional water resources, unique geological areas resulting in the protection of threatened and endangered species.<br/><i>Rank = High</i></p> | Continue to assist with amendments to the Comprehensive Plan. Specify primary and secondary environmental corridors.  | ONGOING | PD, LWCD, SEWRPC                       |
|  | Assist with identification, mapping, and maintenance of these areas.  | ONGOING | LWCD, PD, SEWRPC, MMSD                 |
|  | Identify efforts that have been successful within Washington County and throughout the region and promote those efforts through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).  | ONGOING | LWCD, PD, UWEX, SEWRPC, WDNR, LT, MMSD |
|  | Participate with development and execution of a minimum of 1 regional or local field tour annually featuring environmental protection efforts and needs.  | AOA     | LWCD, UWEX, WDNR, LT, MMSD, SEWRPC     |
|  | Encourage municipalities and individual landowners to follow the Natural Areas and Critical Species Habitat Protection and Management Plan as well as future updates to the Plan through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.). | AOA     | LWCD, PD, SEWRPC                       |
|  | Encourage local governments to follow the Washington County Park and Open Space Plan through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).   | AOA     | PD, LWCD                               |
|  | Promote the use of state and federal set-aside and preservation programs through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).   | ONGOING | WDNR, LWCD, DATCP, NRCS, FSA           |
|  | Partner with organizations to monitor and improve water quality and wildlife habitat resources in our county waterbodies.   | AOA     | WDNR, NC, UW, UWEX, USGS, LO, LT       |
|  | Encourage residents to follow the National Wildlife Federation and US Fish & Wildlife guidelines for creating "Backyard Wildlife Habitats" through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).                                       | AOA     | LWCD, NWF, USFWS                       |
|  | Provide information concerning sensitive areas to landowners, land trusts and other organizations through a minimum of 1 method annually (e.g., event displays, presentations, website and newsletters, etc).   | ONGOING | LWCD, PD, LUD                          |

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| <p>4. Encourage Development that can be served by established urban infrastructure and services.<br/><i>Rank = High</i></p>   | <p>Encourage development within areas planned for, or currently served by, sewer systems through a minimum of 1 method annually (e.g. event displays, presentations, website, brochures, newsletters, etc.).</p> | <p>AOA</p>     | <p>PD, LUD, LWCD, SEWRPC, WDNR</p>                  |
| <p>5. Increase the use of conservation-minded development practices.<br/><i>Rank = High</i></p>   | <p>Develop and distribute informational materials through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>                                       | <p>ONGOING</p> | <p>LWCD, UWEX</p>                                   |
|   | <p>Identify and promote projects that successfully implement conservation-minded practices.</p>  | <p>ONGOING</p> | <p>LWCD, UWEX</p>                                   |
|   | <p>Promote successful practices with developers, local officials and other agencies through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>     | <p>ONGOING</p> | <p>LWCD, PD, LUD, UWEX, MMSD, WDNR, NRCS</p>        |
|   | <p>Promote opportunities provided through the state Working Lands Initiative through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>            | <p>ONGOING</p> | <p>PD, DATCP, LWCD</p>                              |
|   | <p>Continue to work with interested developers in the planning and design phase of new developments.</p>   | <p>AOA</p>     | <p>LWCD, PD, LUD</p>                                |
| <p>6. Promote uniform adoption of wetland regulations.<br/><i>Rank = High</i></p>   | <p>Maintain a dialogue for the implementation of one set of rules for environmental protection between incorporated and unincorporated areas.</p>  | <p>AOA</p>     | <p>PCPC, CO BOARD, LG, WDNR, USACE, NRCS, USFWS</p> |
|   | <p>Work with and encourage municipalities to implement wetland regulations through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>              | <p>AOA</p>     | <p>LUD, LWCD, WDNR, LG, USACE</p>                   |
| <p>7. Preserve sufficient farmland to support a viable agricultural community, future food production needs and environmentally safe application of human and animal wastes.<br/><i>Rank = High</i></p> | <p>Assist and advise the Planning Division with amendments to the Comprehensive Plan regarding farmland preservation.</p>  | <p>ONGOING</p> | <p>LWCD</p>   |
|   | <p>Assist towns with information regarding agricultural land preservation through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>               | <p>AOA</p>     | <p>PD, LWCD, LT, DATCP, NRCS</p>                    |
|   | <p>Continue to encourage local governments to follow the Washington County Park and Open Space Plan.</p>   | <p>AOA</p>     | <p>PD, LWCD</p>                                     |

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|   | Explore opportunities to participate in the state Working Lands Initiative including, but not limited to, Preservation of Agricultural Conservation Easement programs and Agricultural Enterprise Areas.                      | AOA     | PD, LWCD, DATCP                          |
|   | Cooperate with local land trusts to seek federal and state grants to purchase easements and seek donated easements on high quality agricultural land identified in the County LESA analysis.                                  | AOA     | LWCD, LT                                 |
|   | Promote information on sustainable and alternative agricultural practices through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).                                | ONGOING | TCRC&D, LWCD, UWEX, DATCP                |
| 8. Reduce overland water flow and increase infiltration from developed land.<br><i>Rank = High</i>            | Promote increased use of infiltration basins, rain gardens, rain barrels, and other water infiltration methods through a minimum of 1 method annually (e.g., event displays, presentations, website, newsletters, etc.).      | AOA     | LWCD, UWEX, WDNR, MMSD, SEWRPC           |
|   | Distribute information related to successful infiltration practices through a minimum of 1 method annually (e.g., event displays, presentations, website, newsletters, etc.).   | ONGOING | LWCD, UWEX, SEWRPC                       |
| 9. Promote identification, control and management of invasive plant and animal species.<br><i>Rank = High</i> | Assist with the development and efforts of the Southeastern Wisconsin Invasive Species Consortium.  | ONGOING | LT, LWCD, WDNR, IPAW, LO, TCRC&D         |
|   | Work with and encourage County and Municipal Departments to identify, control and manage invasive species in parks and roadways.  | ONGOING | SEWISC, PD, LWCD, LO, HWY, WDNR, IPAW    |
|   | Distribute information to the public related to invasive species identification, control, and management through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.). | ONGOING | SEWISC, LT, LWCD, WDNR, IPAW, LO, TCRC&D |
|   | Assist lakes organizations regarding Aquatic Invasive Species (AIS) issues.   | ONGOING | LO, WDNR, LWCD, SEWISC                   |
|   | Promote native species plantings by offering native tree, shrubs, and prairie plants through the annual LWCD tree and native plant sale program.  | ONGOING | LWCD                                     |
|   | Continue participation in the WDNR Gypsy Moth Suppression Program.  | ONGOING | WDNR, LWCD                               |

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| 10. Continue to encourage intergovernmental cooperation with urban, rural, and county representatives.<br><i>Rank = Medium</i> | Promote intergovernmental discussion, cooperation, and agreement regarding development issues. | ONGOING | PD, LWCD, UWEX |
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*Estimated 20% of Annual Division Budget*

## **FERTILIZER & PESTICIDE ISSUES & PLANNED ACTIONS**

*GOAL: Improve and protect surface and groundwater through the proper use of fertilizers and pesticides*

| <b>WORKPLAN OBJECTIVES</b>  | <b>PLANNED ACTIONS &amp; OUTCOMES</b>  | <b>STATUS OF PLANNED ACTIONS</b> | <b>AGENCY</b>          |
|---|--|----------------------------------|------------------------|
| 1. Assist farmers and private consultants with the development and implementation of nutrient management plans on cropland and sod farms.<br><i>Rank = High</i> | Host 1 certification training program bi-annually and 1 update/revision course bi-annually.  | ONGOING                          | LWCD, UWEX, WDNR       |
|   | Develop and implement a nutrient management database and monitoring procedure (development completed by 12/2010).  | ONGOING                          | LWCD, WDNR             |
|   | Monitor compliance on 5% of planned acres annually.  | ONGOING                          | LWCD, WDNR             |
|   | Provide support to private agronomists.  | ONGOING                          | LWCD, WDNR             |
|   | Provide information and educational opportunities through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).   | ONGOING                          | LWCD, UWEX, NRCS, WDNR |
| 2. Increase awareness of the proper use of fertilizer, pesticide and de-icers and promote natural landscaping (non-agricultural).<br><i>Rank = High</i>         | Promote and assist with training / educational events for residential, departmental, utilities, public and private property owners and managers through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.). | ONGOING                          | LWCD, LUD, UWEX, LO    |
|   | Provide information through a minimum of 1 method annually (e.g., event displays, presentations, website, newsletters, etc.).  | ONGOING                          | LWCD, LUD, UWEX        |
|   | Provide information regarding State phosphorus ban in fertilizer and proper lawn care through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).   | ONGOING                          | LWCD, UWEX, LUD        |

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|  | Promote natural landscaping and proper use of lawn products through a minimum of 1 method annually (e.g., event displays, presentations, website, newsletters, etc.). | ONGOING | LWCD, LUD, UWEX |
|  | Tie non-agricultural pesticide and fertilizer education to existing programs.   | ONGOING | LWCD, UWEX      |
| 3. Monitor quantities and locations of sludge and septic applications.<br><i>Rank = Medium</i> | Continue to maintain working relationship with WDNR to obtain reports regarding location, content and amount of materials being applied in the County.                | ONGOING | LWCD            |
|  | Pending availability of funds, conduct limited soil testing for heavy metal build-up.   | AOA     | LWCD, WDNR      |
|  | Informally monitor sludge and septage application and look for mismanagement.   | ONGOING | LWCD, WDNR      |

*Estimated 20% of Annual Division Budget*

## **STORMWATER ISSUES & PLANNED ACTIONS**

*GOAL: Reduce the quantity and improve the quality of stormwater runoff from developed and developing areas*

| <b>WORKPLAN OBJECTIVES</b>  | <b>PLANNED ACTIONS &amp; OUTCOMES</b>  | <b>STATUS OF PLANNED ACTIONS</b> | <b>AGENCY</b> |
|---|--|----------------------------------|---------------|
| 1. Expand the adoption and implementation of the county's erosion control and stormwater management ordinance or equivalent for new developments.<br><i>Rank = High</i> | Continue updates to Chapter 17 of the County Code to include new State and Federal standards.  | AOA                              | LWCD          |
|   | Follow up with all town officials regarding status of ordinance update and administration.   | ONGOING                          | LWCD          |
|   | Meet with village and city officials to promote consistent Erosion and Stormwater Control Ordinances.  | ONGOING                          | LWCD          |
|   | Continue to update and develop related policy and procedure forms.   | AOA                              | LWCD          |
|   | Review development projects in which LWCD has jurisdiction for compliance, including offsite impacts to cropland. Promote more esthetically pleasing stormwater facilities through a minimum of 1 method annually (e.g., event displays, presentations, website, newsletters, etc.). | ONGOING                          | LWCD, LUD     |
|   | Monitor and track county-wide development to improve design and maintenance of properly engineered stormwater facilities.  | ONGOING                          | LWCD, LUD     |

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|   | Increase awareness about impacts and proper management of stormwater runoff (contractors/developers workshop every 2 years, annual environmental lectures, brochures, newsletters, etc.).   | ONGOING | WDNR, LWCD, LUD, UWEX   |
| 2. Ensure the long-term function and maintenance of stormwater facilities.<br><i>Rank = High</i>                          | Map stormwater facilities in unincorporated areas in the county GIS.  | ONGOING | LWCD                    |
|   | Continue routine inspection procedure whereby 20% of all facilities are checked annually. Take follow-up action as needed.  | ONGOING | LWCD                    |
|   | Work with local governments to develop best alternatives strategies for long term maintenance.  | AOA     | LWCD, LG                |
|   | Develop a Maintenance Guide for Stormwater Facilities and create a distributions system for the guide.  | 2013    | LWCD, UWEX, WDNR        |
| 3. Encourage the use of regional stormwater practices (RSP's).<br><i>Rank = Medium</i>                                    | Promote benefits, design and maintenance of RSP's through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).  | AOA     | LG, LWCD, LUD, WDNR     |
|   | Advise and assist the Lake Districts on plans and projects related to water quality protection and regional stormwater management, including implementation.  | AOA     | LWCD, LUD, SEWRPC, WDNR |
|   | Work with local governments to identify long-term development plans and match potential sites with funding opportunities.   | AOA     | LWCD, LUD               |
| 4. Assist local governments with the adoption of the developed urban areas performance standards.<br><i>Rank = Medium</i> | Advise and assist local governments with implementation and annual reporting of the public education components (storm drain casting, leaf litter disposal, fertilizer, pesticide and de-icer use, etc.). Promote and update "Cleanways for Waterways" Program materials. | ONGOING | LWCD, UWEX, LG, WDNR    |
|   | Administer a stormwater management program that meets EPA and NR216 stormwater permit requirements in the County's Urban Areas to meet requirements of WPDES Permit #WI-SO50181-1.  | 2016    | LWCD, PPD, HWY          |
|   | Continue to seek available grants that would allow the County to implement Best Management Practice demonstration projects on publically-owned lands and facilities.  | AOA     | LWCD, LG                |

***Estimated 15% of Annual Division Budget***

## ANIMAL WASTE ISSUES & PLANNED ACTIONS

*GOAL: Reduce the human and environmental risks posed by animal waste*

| WORKPLAN OBJECTIVES   | PLANNED ACTIONS & OUTCOMES  | STATUS OF PLANNED ACTIONS | AGENCY           |
|---|---|---------------------------|------------------|
| 1. Continue application of the County's Manure Storage Ordinance (Chapter 16).<br><i>Rank = High</i>  | Continue to provide high quality technical review and planning assistance.  | AOA                       | LWCD             |
|   | Continue updates to Chapter 16 of the County Code to include new State and Federal standards.   | AOA                       | LWCD, PCPC       |
|   | Continue to develop an inspection procedure and inspection schedule for manure storage facilities.  | 2012                      | LWCD             |
|   | Inspect 10% of facilities annually based on procedure; take follow-up action as needed.   | ONGOING                   | LWCD             |
|   | Educate producers, town officials, agricultural lenders and contractors regarding ordinance requirements through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.). | AOA                       | LWCD, UWEX       |
| 2. Ensure that all livestock operations have no: overflowing manure storage facilities, unconfined manure stacks within Surface Water Quality Management Areas, significant discharge of process wastewater to waters of the state, direct runoff from feedlots or stored manure to water resource, and/or animals in streams where degradation of the streambank has or will likely occur.<br><i>Rank = High</i> | Continue to map existing livestock operations.  | ONGOING                   | LWCD             |
|   | Conduct on-site inventory of existing operations to determine compliance.   | ONGOING                   | LWCD, WDNR       |
|   | Continue to develop and revise producer farm resource conservation plans which address these objectives.  | ONGOING                   | LWCD, NRCS       |
|   | Educate producers, town officials, agricultural lenders and contractors regarding these objectives through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).       | AOA                       | LWCD, UWEX, NRCS |
|   | Assist a minimum of 5 producers annually to implement corrective measures.  | ONGOING                   | LWCD             |
|   | Develop a monitoring and inspection procedure that encompasses State Performance Standards.   | 2015                      | LWCD             |
|   | Promote waste-spreading BMPs that prevent runoff to water resources through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).                                      | ONGOING                   | LWCD, UWEX, NRCS |
|   | Inspect 10% of operations annually and take follow-up action as needed.   | 2015                      | LWCD, WDNR       |



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| 3. Assist with the planning and development of livestock expansions.<br><i>Rank = High</i> | Provide technical assistance for expansion projects. | AOA | LWCD, NRCS |
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*Estimated 15% of Annual Division Budget*

## ***GROUNDWATER ISSUES & PLANNED ACTIONS***

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*GOAL: Protect and improve the quality and quantity of groundwater*

| <b>WORKPLAN OBJECTIVES</b>                                    | <b>PLANNED ACTIONS &amp; OUTCOMES</b>  | <b>STATUS OF PLANNED ACTIONS</b> | <b>AGENCY</b>                         |
|---|--|----------------------------------|---------------------------------------|
| 1. Ensure a safe drinking water supply.<br><i>Rank = High</i> | Continue to assist with the location of sensitive (e.g., high bedrock, sandy soils) recharge areas using existing maps and groundwater hydrology models.   | AOA                              | SEWRPC, WDNR, LWCD, GISD              |
|   | Continue to identify unused wells through farmstead inventories, subdivision reviews, and historic septic system project.  | ONGOING                          | LWCD, GISD, LUD, WDNR, LG             |
|   | Continue to promote and provide assistance for proper well abandonment.  | AOA                              | LWCD, HD, WDNR, LG                    |
|   | Continue to promote well water testing through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.). Maintain test results in a GIS database that will be used to compose a county-wide groundwater quality report. | ONGOING                          | LWCD, WEAL, UWEX, HD, LUD, WDNR       |
|   | Continue to develop and revise producer whole farm resource conservation plans that include these objectives.  | ONGOING                          | LWCD, NRCS                            |
|   | Raise awareness about levels of nitrates, volatile organic compounds (VOCs) and other well contaminates through a minimum of 1 method annually (e.g., event displays, presentations, website, newsletters, etc.).  | ONGOING                          | LWCD, WDNR, HD, UWEX, LUD             |
|   | Assist local communities in developing Wellhead Protection Plans.  | 2015                             | SEWRPC, HD, LWCD, WDNR, UWEX, LUD, LG |
|   | Increase awareness and promote action for proper groundwater protection practices (fertilizer and pesticide use, well abandonment, etc.) through a minimum of 1 method annually (e.g., event displays, presentations, website, newsletters, etc.).                         | ONGOING                          | LWCD, WDNR, HD, UWEX, LUD, LG         |

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| <p>2. Protect/preserve groundwater recharge areas, springs and other discharge points that feed cold and warm water streams.<br/><i>Rank = High</i></p>             | <p>Assist with the identification and mapping of springs, cold water streams and their recharge areas.</p>   | <p>ONGOING</p> | <p>WDNR,<br/>SEWRPC,<br/>LWCD,<br/>LUD, GISD</p>              |
|   | <p>Assist and advise the Planning Division in the Comprehensive Planning update processes regarding groundwater protection.</p>  | <p>AOA</p>     | <p>PD, LWCD,<br/>SEWRPC</p>                                   |
|   | <p>Continue to assist with Quaas Creek Watershed Protection Project and Watershed Protection Plan implementation. Make Plan information available on the LWCD website.</p>                                     | <p>ONGOING</p> | <p>City of West Bend,<br/>WDNR,<br/>SEWRPC,<br/>LWCD, LUD</p> |
|   | <p>Assist with watershed protection planning efforts for all streams.</p>  | <p>AOA</p>     | <p>LG, WDNR,<br/>LWCD,<br/>SEWRPC</p>                         |
|   | <p>Work with partners to protect and preserve groundwater recharge areas, springs and other discharge points that feed streams and lakes through fee simple purchase or conservation easements.</p>            | <p>AOA</p>     | <p>LT, LG,<br/>MMSD,<br/>LWCD</p>                             |
|   | <p>Identify and encourage protection of recharge areas for groundwater through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>                | <p>ONGOING</p> | <p>SEWRPC,<br/>MMSD<br/>WDNR,<br/>LWCD</p>                    |
| <p>3. Promote adequate maintenance of private sewerage treatment systems.<br/><i>Rank = High</i></p>  | <p>Increase awareness and promote action for proper groundwater protection through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>            | <p>ONGOING</p> | <p>LUD,<br/>UWEX,<br/>LWCD, LG</p>                            |
| <p>4. Identify practices and educate homeowners on conservation measures they can use to decrease water consumption within households.<br/><i>Rank = Medium</i></p> | <p>Raise awareness about groundwater levels, water infiltration, and aquifer recharge through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p> | <p>ONGOING</p> | <p>SEWRPC,<br/>LWCD,<br/>UWM,<br/>UWEX</p>                    |
|   | <p>Continue outreach program to increase water conservation efforts through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).</p>                   | <p>ONGOING</p> | <p>LWCD,<br/>UWEX</p>   |
|   | <p>Provide current information via the LWCD web site and link with other sites of similar content.</p>   | <p>ONGOING</p> | <p>LWCD</p>   |

***Estimated 5% of Annual Division Budget***

## **SOIL SUSTAINABILITY/SEDIMENTATION ISSUES & PLANNED ACTIONS**

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*GOAL: Protect and enhance the productivity and sustainability of all cropland and reduce sediment delivery into streams, lakes and wetlands*

| <b>WORKPLAN OBJECTIVES</b>  | <b>PLANNED ACTIONS &amp; OUTCOMES</b>  | <b>STATUS OF PLANNED ACTIONS</b> | <b>AGENCY</b>                    |
|---|--|----------------------------------|----------------------------------|
| <p>1. Achieve an erosion rate at or below "T" and the agricultural performance standard phosphorus index at or below 6 for cropland fields, pastureland, and winter grazing areas.<br/><i>Rank = High</i></p>   | Identify croplands that do not currently have a conservation plan.   | ONGOING                          | LWCD, NRCS                       |
|   | Develop and revise 15 producer whole farm resource conservation plans annually that include this objective.  | ONGOING                          | LWCD, NRCS                       |
|   | Actively promote applicable conservation programs through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).   | AOA                              | LWCD, NRCS, FSA, UWEX, USFWS, LT |
|   | Research and distribute information about alternatives for marketing hay.  | ONGOING                          | UWEX, LWCD, TCRC&D               |
|   | Increase education and use of BMP that reduce erosion through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).   | ONGOING                          | LWCD, NRCS, UWEX                 |
|   | Develop a routine spot-check procedure whereby 5% of plans are checked annually.   | 2015                             | LWCD, NRCS                       |
|   | Perform spot-checks according to the procedure; take follow-up action as needed.   | 2015                             | LWCD, NRCS                       |
| <p>2. Develop a targeted buffer program to effectively augment existing programs, incorporating the 5 foot tillage setback agricultural performance standard. Work with local organizations and the Ozaukee Washington Land Trust.<br/><i>Rank = High</i></p> | Identify target areas and map to GIS database.   | ONGOING                          | LWCD, GISD, LUD, SEWRPC          |
|   | Actively promote buffer programs by providing technical information and educational materials through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.). | ONGOING                          | LWCD, NRCS, LUD, UWEX, FSA       |
|   | Administer a monitoring and maintenance program.   | ONGOING                          | LWCD, NRCS                       |
|   | Continue to work with local organizations and land trusts to leverage resources.   | ONGOING                          | LWCD, NRCS, UWEX, LT, MMSD       |

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| <p>3. Establish and maintain permanent vegetation in concentrated flow channels or other areas where runoff would otherwise cause erosion or sediment delivery to surface waters.<br/><i>Rank = High</i></p> | Implement countywide education effort to promote conservation practices through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.).  | ONGOING | LWCD, NRCS, WDNR |
|  | Promote native vegetation plantings by offering native tree, shrubs, and prairie plants through 1 annual LWCD tree and native plant sale program.   | ONGOING | LWCD             |
|  | Develop/revise producer whole farm resource conservation plan to include these objectives.  | ONGOING | LWCD, NRCS       |
|  | Maintain GIS cropland, hydrography and BMP layers.  | ONGOING | LWCD             |
|  | Develop an inspection and monitoring procedure and implement follow-up action.  | 2015    | LWCD             |
| <p>4. Promote agricultural BMP's that improve soil health.<br/><i>Rank = High</i></p>  | Increase education about and use of Best Management Practices (BMP's) such as conservation tillage, and cover crops (e.g. reduced till and no-till) through a minimum of 1 method annually (e.g., event displays, workshops, website, brochures, newsletters, etc). | ONGOING | LWCD, NRCS, UWEX |
|  | Include principles of balanced pH and micronutrient content of soils in nutrient management planning efforts.   | ONGOING | LWCD, NRCS, UWEX |
|  | Promote testing for compaction and other soil quality indicators through a minimum of 1 method annually (e.g. event displays, workshops, website, newsletters, etc).  | ONGOING | LWCD, NRCS, UWEX |
|  | Raise producer awareness (field days, fact sheets, etc.) Participate with a minimum of 1 public event annually.   | ONGOING | LWCD, NRCS, UWEX |
|  | Distribute information developed by others (e.g. Soil Quality Institute).   | ONGOING | LWCD, NRCS, UWEX |

***Estimated 15% of Annual Division Budget***

## NONMETALLIC MINING ISSUES AND PLANNED ACTIONS

*GOAL: Assure reclamation of mines when operations are terminated*

| WORKPLAN OBJECTIVES                                      | PLANNED ACTIONS & OUTCOMES   | STATUS OF PLANNED ACTIONS | AGENCY |
|--|--|---------------------------|--------|
| 1. Monitor sites for compliance.<br><i>Rank = Medium</i> | Continue to approve and permit sites and reclamation plans annually.   | AOA                       | LWCD   |
|  | Continue to inspect sites via remote sensing and ground-truthing techniques to ensure plan compliance and update financial assurances. | ONGOING                   | LWCD   |

*Estimated 5% of Annual Division Budget*

## WASTE MANAGEMENT ISSUES AND PLANNED ACTIONS

*GOAL: Reduce the human and environmental risks posed by hazardous waste*

| WORKPLAN OBJECTIVES  | PLANNED ACTIONS & OUTCOMES   | STATUS OF PLANNED ACTIONS | AGENCY                            |
|--|--|---------------------------|-----------------------------------|
| 1. Provide convenient and cost effective methods for county residents to dispose of unused hazardous waste, thereby protecting county natural resources.<br><i>Rank = High</i> | Establish permanent annual funding for the full-service Clean Sweep program.   | ONGOING                   | LWCD                              |
|  | Continue to promote partnerships with local governments, health care facilities and the business community involving program initiatives.  | ONGOING                   | LWCD, HD, UWEX, LG, SD, EM, DATCP |
|  | Continue to promote and conduct annual County-wide full-service Clean Sweep Collections incorporating pharmaceutical, electronic goods, tires, hazardous waste, etc. through a minimum of 4 methods annually (e.g., event displays, presentations, website, brochures, newsletters, press releases, etc.). | ONGOING                   | LWCD, HD, SD, EM, LG, DATCP, UWEX |
| 2. Increase awareness on the hazards of dioxins and other toxins/ carcinogens emitted by open burning.<br><i>Rank = Medium</i>   | Provide educational materials to residents through a minimum of 1 method annually (e.g., event displays, presentations, website, brochures, newsletters, etc.). Provide information to producers as part of farm assessments.  | AOA                       | LWCD, HD                          |

*Estimated 5% of Annual Division Budget*