Administration Division

Please join us in welcoming Jay Shambeau to Washington County and the Planning and Parks Department. On April 28, 2014 Jay became the new Department Administrator. Prior to Washington County, Jay was the Calumet County Administrator and served as the Village of Kewaskum Administrator from 2006-2008.

Since April, Jay has met with the other Department Heads and community contacts, as well as conducting individual meetings with all Department staff in order to get better acquainted. He has been working hard to meet everyone he will be working with and has “hit the ground running” with the duties and requirements of his new position.

Jay Shambeau, Washington County Planning and Parks Department, Administrator

Newsletter Available Electronically

In an effort to conserve environmental and financial resources, we are asking you to consider receiving this newsletter electronically. By signing up for our newsletter electronically you will receive an email notification providing a link to the newsletter.

Stay Informed on Current Topics
Receive the Newsletter Electronically!

Please Send an Email to:
ppdnewsletter@co.washington.wi.us
or, call 262.335.4800
(M-F - 8:00am - 4:30pm)
A familiar smile from the Administration staff will greet you as you enter the Planning and Parks Department. The Administration Division provides the public with efficient and prompt service and is responsible for all receptionist duties, bookkeeping, accounting, assisting in the preparation of the Department budget, provision of office supplies, administration of the Sanitary System Maintenance Program, and County Park reservations. The Division also provides internal administrative support to all of the Divisions of the Planning & Parks Department including the Tree and Prairie Seed Program, the Full Service Clean Sweep Program, the Department newsletter and the Department website.

In addition, the County Engineer/County Surveyor provides timely and accurate engineering assistance on matters pertaining to planning, cost estimating, design, coordination, construction and maintenance of County infrastructure to a variety of County Departments. Also, the County Engineer/County Surveyor surveys County owned lands, maintains monuments in the field and records in the office and serves as a resource for private surveyors.

Get Moving Washington County!

www.GetMovingWashingtonCounty.org

Opportunity for the active – Inspiration for the inactive – Awareness for all

To stay up to date on events and ways to get moving, “like” Get Moving Washington County on Facebook
How often do you visit a County Park? What activities do you like to do at the park? What activities would you like to do that are not currently available? Should the County acquire more County Parks? Should the County invest in a countywide trail system? These are just a sample of the questions we asked County residents in the last few months.

The Planning and Parks Department is updating the County Park and Open Space Plan which will address both open space preservation and outdoor recreation as key elements to the future success, economic vitality and quality of life in Washington County. Throughout October 2014, the Planning Division held a series of public outreach events to gather public opinion about the future direction of the County Park and Trail System including a random telephone survey of County residents, focus groups, and a series of visioning workshops. Here are some key preliminary results from the public outreach events:

- **Our Adopted Goals are Still on Target:**
- Preserve primary environmental corridors and isolated natural resource areas
- Preserve natural areas and critical species habitat sites
- Preserve significant geologic and archeological areas
- Provide bicycle and pedestrian facilities that serve development
- Develop a detailed bike and pedestrian plan for the County
- Preserve a system of parks and open spaces with adequate outdoor recreational activities
- Promote tourism by promoting historic, cultural, recreational and natural resources
- Continue to apply for grants for acquisition and development
- Develop a park management plan

(cont. on Page 4)
The County should invest in these types of parks:

- **Countywide Trail System**, with networks of trails for non-motorized use by people on foot, bikes, horseback, kayaks or canoes.

- **Nature Based Recreational Parks**, designed with conservation in mind, and featuring areas for hiking, camping, lake swimming, natural playscapes and nature appreciation.

- **Countywide Greenways**, with corridors of protected green space that connect recreational, natural, or cultural resources.

- **Large Active Recreational Parks**, which could include facilities like playfields for unstructured games, ATV/dirt bike use areas, disc golf courses, trails and playgrounds.

The County should invest in these desired activities & amenities:

- Water trails for canoe/kayaking
- Groomed cross-country ski trails
- Network of off-street bike & pedestrian trails
- Informational nature trail signage
- ATV/dirt bike trails or use areas
- Signage displaying slopes and distances
- Pet waste stations along Eisenbahn

- Lookout towers
- Camping
- Disc Golf
- Mountain biking trails
- Hunting
- Additional benches along trails
... A Vision For The Future (cont. from Page 4)

- Parks and trails are a public service that should be funded by County government
- It is important that we preserve open space for future generations
- Residents are willing to pay more to improve the Washington County Park and Trail System

**The County should:**
- Acquire additional park land
- Focus on providing lake access
- Focus on acquiring land that preserves natural resources
- Acquire property adjacent to existing County parks
- Acquire property in areas where no County Parks exist
- Accept donations including land suitable for park use

**Most Visited Properties:**
- Eisenbahn State Trail
- Ridge Run
- Sandy Knoll
- Glacier Hills
- Homestead Hollow
- Heritage Trails
- Ackerman’s Grove

**Benefits Received from Visiting Our Parks and Trails:**
- Helped improve overall physical health
- Decreased stress levels
- Improved mental health
- Improved overall quality of life
- Helped achieve a balance between work and play

Gathering public opinion is one step in the development of a vision for the County Park and Trail System. On December 17, 2014 there will be a presentation to the Planning, Conservation and Parks Committee (PCPC) by the University of Wisconsin - Milwaukee Center for Urban Initiatives and Research on the results of the random telephone survey and a survey of individuals who rented park shelters in the last three years. Following the presentation, the PCPC will formulate a vision statement and guiding principles for the future of the County Park and Trail System based on public outreach comments and survey results.

In early 2015, the Park and Open Space Plan Technical Advisory Commission (TAC) will develop goals, objectives and actions for the Park and Open Space Plan to implement the vision. If you would like to be involved as we plan for the future of the Washington County Park and Trail System, you are welcome to attend these public meetings of the TAC and PCPC.

Meeting information will be posted on the County website at [http://www.co.washington.wi.us](http://www.co.washington.wi.us)
Washington County Awarded $600,000 US EPA Brownfields Assessment Grant

Washington County was awarded a Brownfield Assessment grant totaling $600,000 from the U.S. Environmental Protection Agency (EPA). In 2013, the County formed a coalition with the City of Hartford, City of West Bend, Village of Jackson, Village of Richfield and Village of Slinger to apply for an EPA Brownfield Coalition Assessment Grant for Hazardous Substance and Petroleum Brownfields. The grant funds will be used to complete a community-wide inventory and prioritization of brownfield sites within the County, perform Phase I and Phase II environmental site assessments on priority sites, complete remedial action plans for select sites and perform community outreach and education related to brownfields.

In an effort to effectively redevelop and revitalize brownfield sites throughout the County, a Site Revitalization Steering Committee was formed in 2013 to oversee development and implementation of the grant. Initially, the funds will target five high priority redevelopment sites that were identified by the Coalition partners as part of the inventory and prioritization completed in 2013. All of the sites are located within the oldest portions of each urban area (several with development dating back to the mid-1800s). Additional sites will be selected following a comprehensive inventory and prioritization, which will provide an opportunity for participation by all communities in the County.

When asked about the County’s success in receiving the grant, Washington County Board Chairperson Herb Tennies said, “The County looks forward to working with our Coalition partners, the US EPA, Wisconsin DNR, EDWC and other project partners, community-based organizations and stakeholders toward a shared goal of improving economic and environmental conditions, and building a better and more sustainable future for the residents of Washington County.”

More information on the EPA Brownfields Assessment grant, the County’s Site Revitalization Program and the Site Revitalization Steering Committee can be found on the County’s website at http://www.co.washington.wi.us/SRP.

More information on the EPA Brownfields Grants can be found at http://www.epa.gov/brownfields/pilot_grants.htm.
Welcome - Chad Cook, Park Supervisor

Have you had an opportunity to meet our newest Planning and Parks employee? Please take the time to do so and ask him about his background and future goals with the Parks Division. Chad comes to us with experience in architecture, construction, building inspection, and street and park operations. Chad worked for the Village of Kewaskum since 2007. He resides with his family in Kewaskum and is very active in youth sports and community events. Chad obtained a Bachelor of Science degree in Architecture from the University of Wisconsin - Milwaukee.

Chad’s first day was October 20th. His first task was the construction project at Spaeth Park (see above). He is also ramping up to assist with winter maintenance operations. Chad recently stated, “I am looking forward to this new opportunity and excited to join the Washington County Parks team.”

Please look for Chad in the parks and welcome him to Washington County.

Fleet of Feet Fundraiser Relay Race

“There is no exercise better for the heart than reaching down and lifting people up” John A. Holmes

Detour Ministries organized another ‘Fleet of Feet’ Fundraiser Relay Race on the Eisenbahn State Trail October 18 to benefit Casa Hogar ALFA Orphanage in Huajuapan de León in southern Mexico. Eleven teams (65 runners) competed to cross the finish line first, but you didn’t have to be the first across the finish line to win a prize in this marathon. In addition to prizes for the first three teams to cross the finish line, the three teams that raised the most money for donations, the most enthusiastically decorated relay point, and the car transporting teams that showed the most team spirit received prizes! This fundraiser is all about helping others. Not only do they make it fun for the relay teams, they raise money to support Casa Hogar ALFA. Casa Hogar ALFA is a small orphanage that receives donations to support over 50 children in an area of great poverty in Mexico.
Are you one of those people that, after a short while, the gray skies, bare trees and bone chilling cold of winter make you start counting the days until spring? Wisconsin winters can seem like they last forever, but there are ways to have fun outside in the cold and still stay warm; you just have to keep moving!

A walk on the park trails in winter can be breathtakingly beautiful when a dusting of snow on every branch makes it look like a winter fairyland outside. If you prefer cross-country skiing or snowshoeing, you can get a workout on most of the park trails since many parks stay open year round.

Want to get outside after work and do something with your family but its dark when you get home? Sledding is lots of fun and the sled hills at Ridge Run, Glacier Hills and Homestead Hollow are lighted, so early darkness is not a problem.

Maybe you couldn’t find time to take your son or daughter fishing this summer like you wanted to. Winter is your chance to take the kids out to try ice fishing! Henschke Hillside Lake Access, Ridge Run, Glacier Hills, Leonard J. Yahr, Ackerman’s Grove and Sandy Knoll County Parks have access to lakes for ice fishing.

Not an outdoors person but you love shopping? The golf shop at Washington County Golf Course is open through December and gift cards, golf merchandise, and golf lesson packages make great gifts for golfers who cannot wait for summer to get here again! For more information on golf shop winter hours, sales items, or winter golf lessons check our website at www.golfwcgc.com, call the golf shop at 262-670-6616, or email us at wcgc@charter.net. Follow WCGC on Facebook.

Have you considered planning a sledding party at Glacier Hills or Homestead Hollow to break up the long winter? If you have a winter birthday party or are just looking for an excuse to do something fun with friends Washington County has many reservable shelters available; some enclosed shelters are heated for use in the winter. All the shelters in the County Parks System were spruced up with a fresh coat of paint inside and out this last year including the barn at Homestead Hollow which is now red! Some shelters have kitchen facilities to make your party planning easier and all have lots of space available for parking. Shelter reservations for 2015 can be made starting on Friday, January 2 at the Planning and Parks Department office.

(Cont. on Page 9)
Golf Course News

We had a great season at the Washington County Golf Course! Thanks to everyone who enjoyed our beautiful course this year. The Golf Course crew kept a close eye on the weather to make sure that everyone had a chance to play that last round of the season before the snow hit. October ended up being our busiest October on record! This year’s closing date was November, 17th, which was a bit early but our crews were able to get all the irrigation lines blown out so they weren’t damaged by the freezing weather. For those of you who don’t plan on going south to play golf this winter, you can keep your skills sharp by signing up for indoor winter golf lessons. Make sure your game is ready to go next spring on the Washington County Golf Course that was recently rated as one of the top 20 municipal golf courses in the nation in a survey by Gear Patrol!

Outdoor photography is a hobby many people enjoy and the beautiful scenery in the County parks makes a great backdrop for capturing special moments like graduations or weddings. Cranes, turkeys, frogs, turtles and other wildlife that make the parks their home will give you lots of opportunities to sharpen your skills with your camera during all times of the year. You don’t have to spend the winter waiting for it to end. Spend it discovering the fun!

Washington County congratulates Randy Miller, former Park Supervisor on his retirement in August. Randy served the Washington County Park System as a resident Park Supervisor for 39 years!

Over the years, Randy had a major role in the development and maintenance of the Park System. He supervised countless projects to maintain park facilities, and was responsible for the snow removal operations for the parks, county grounds and Fair Park. Randy’s experience, friendly smile and dedication to his work will be missed by all. Enjoy your retirement and thank you for many jobs well done!

Our Congratulations

Randy Miller
Planning & Parks Department,
Park Supervisor
Retires after 39 Years

Washington County Golf Course

Page 9
In an effort to save time and expense for property owners and developers, the Washington County Planning & Parks Department is working on completing a detailed study of the floodplain of the southern half of the Rock River Watershed. The goal is to establish more precise boundaries with specific floodplain elevations for all areas of the floodplain. Currently, the County’s floodplains (100 year floodplain) for the southern half of the Rock River Watershed has many areas with no detailed studies. With no detailed study available the property owner or developer would have to hire an Engineer to perform floodplain modeling in a project area.

This project started out as a study of the Rubicon River subwatershed by the Washington County Planning and Parks Department but has grown into a partnership with the Department of Natural Resources (DNR) and the Federal Emergency Management Agency (FEMA). The funding for the DNR/FEMA study came from the FEMA “Risk Mapping” program.

The Rock River Watershed covers roughly the west one third of the County. This study will help in providing accurate floodplain mapping and elevations for a significant portion of Washington County and reduce the cost to property owners and developers to develop these areas. Ironically, this study is needed in part due to FEMA’s requirement that FEMA’s maps created for the “Map Modernization” program (several years ago) were adopted by Washington County in November of 2013. The “Map Modernization” only digitized the existing maps and did nothing to improve the accuracy of the floodplain maps. Furthermore, the “Map Modernization” process required Washington County to remove the “floodway” designation of the floodplains because FEMA and the DNR believed the studies completed over 20 years ago were no longer valid to support the floodway designation.

The Rubicon River subwatershed project was just getting started in late 2010. The Planning and Parks Department learned of the FEMA “Risk Mapping” funding in early 2011. The contractor hired by the Planning and Parks Department to do the floodplain mapping has been conducting the study since then while working with the DNR and Scott Schmidt PE/RLS, Washington County Engineer/Surveyor. The DNR informed the Planning and Parks Department in January 2014 that the study must be completed and the maps adopted along with necessary ordinance language revisions by April 16, 2015.

It is the intention of the Washington County Planning and Parks Department to eventually complete detailed studies across most of the County by watersheds to improve floodplain mapping.

For more information contact:
Washington County Planning & Parks Department
Phil Gaudet, Land Resource Manager
333 E. Washington St., Ste 2300
West Bend, WI 53095
Phone: 262.335.4445
Southern Housing Region

Community Development Block Grant
Provides 0% Interest Loans
For more information or to obtain an application, please contact Kari Justmann at the Housing Program Office at 1-800-552-6330.

The Southern Housing Region has a Community Development Block Grant for Housing Rehabilitation. The funds will be loaned at 0% interest to eligible households for home repairs. Applications are accepted on a first come first serve basis. There is no cost to fill out an application and all information submitted is strictly confidential.

Funds are available for the following types of projects:

HOMEOWNERS:
These funds will be lent to eligible households for home repairs. The loan is a 0% interest, deferred payment loan – you do not pay it back until you sell the house or no longer live there. After 30 years, your loan will be reviewed with the possibility of extending it for another 30 years.

TENANTS:
Loans are available to assist with purchasing a home. The loan is a 0% interest, deferred payment loan – you do not pay it back until you sell the house or no longer live there. After 30 years, your loan will be reviewed with the possibility of extending it for another 30 years. Funds can assist you with down payment and closing costs. There will also be funds available to make repairs to the home that you purchase.

LANDLORDS:
Installment loans are available for landlords who rent to tenants that are low to moderate income. The loan is a 0% interest loan.

Contact - Kari Justmann for more details.

The loans can be used to make the following types of repairs:
- Handicap Accessibility
- Replace Windows & Doors
- Roofing
- Electrical Upgrades
- Connect Water & Sewer Lines
- Siding, Porch Repairs
- Repair/Replace Heating Systems, Water Heaters & Plumbing Systems

Eligible Counties:

The following entitlement communities are not eligible: Racine, Beloit, Janesville and Kenosha.

Funds are limited! Apply today!
Historic Plat Books Now Available

Through a partnership between the Washington County Historical Society, Washington County Register of Deeds and the GIS Division, historic plat books are now available on the Washington County website. Plat books from 1859, 1873, 1892, 1915, and 1929 were included in the recently completed project. In addition to the Town maps showing ownership, the 1892 and 1915 books include maps for incorporated Villages/Cities as well as some unincorporated places.

The Historical Society scanned each page and the County made the pages available, free of charge, through the Register of Deeds webpage. The direct link to the images is http://www.co.washington.wi.us/992. For a small fee, hard copy prints can be obtained through the Register of Deeds Office.

Planned 2015 Data Acquisition Projects

The GIS Division is planning for two significant data acquisitions projects in 2015.

- True-color, 6 inch pixel orthophotography will be acquired for the entire County in the Spring of 2015. Imagery is acquired before leaf-out to give a clearer picture of current ground conditions. Orthophotography is one of the most widely used layers and this project will continue the established 5-year update schedule.
- Countywide LIDAR (Light Detecting and Ranging) acquisition at a scale capable of supporting 1’ contours will be acquired in conjunction with the orthophotography. This project is the first-ever countywide elevation acquisition project and provides an update to data acquired through a series of projects completed in 2003 through 2006. This data will assist in the improvement of floodplain mapping and used in a variety of construction and planning projects.

When available, the data will be added to the County GIS mapping websites and, upon request, distributed to government and public requesters (a small fee may apply).

Both projects are part of a regional consortium organized by the Southeastern Wisconsin Regional Planning Commission. Federal sources will cover a portion of the project costs with the County’s share coming from Wisconsin Land Information Program revenue.
The produce section of grocery stores would be rather empty without the hard work of bees, birds, butterflies, bats and other pollinators. We can thank pollinators for one in three mouthfuls of food and drink – everything from coffee and chocolate to most fruits and many vegetables in our diet. Did you know that more than 80% of the world’s plants need pollinators to survive? But today, many pollinators are in trouble. Whether you are a farmer of many acres, a manager of a large tract of land, or a gardener with a small lot, you can increase the number of pollinators in your area by making conscious choices to include plants that provide the essential habitat needed.

To make your garden a haven for native pollinators:

1) Use pollinator friendly plants in your landscape that provide pollen or nectar.
2) Choose a mixture of plants that provide color, shape and scents for spring, summer and fall.
3) Reduce or eliminate pesticide use in your landscape.
4) Accept some plant damage on plants meant to provide habitat.
5) Provide clean water with a shallow dish, bowl or birdbath.
6) Leave dead tree trunks in your landscape.
7) Help to create and maintain community gardens and green spaces to ensure pollinator habitat.

Native bees are valuable crop pollinators. The over 3,500 species of native bees (often called pollen bees) help increase crop yields and may serve as important insurance when cultivated European honey bees are hard to come by. Here are two things that farmers can do to begin improving habitat for native bees on their land: 1) Minimize tillage. Many of our best crop pollinators live underground for most of the year, sometimes at the base of the very plants they pollinate. To protect them, turn over soil only where you need to; 2) Allow crops to “flower”. If possible, allow leafy crops like lettuce to flower if they do not need to be tilled right away. This gives bees additional food sources.

If you want to do more to increase the number of native bees pollinating your crops, you can plant hedgerows or windbreaks with a variety of flowering plants and shrubs, reduce or eliminate your use of pesticides, or work with your neighbors to protect natural areas around your farm.

Selecting Plants for Pollinators – A Regional Guide for farmers, land managers, and gardeners in the Eastern Broadleaf Forest

Did You Thank a Pollinator Today?

“Farming feeds the world, and we must remember that pollinators are a critical link in our food systems.” – Paul Growald, Co-Founder of Pollinator Partnership
Have you ever driven by what looks like a scummy pond next to a business? What about a subdivision infested with cattails and willow trees? Have you wondered why these are in such an odd location and look the way they do? These areas are most likely aging stormwater practices that have not had proper maintenance.

**Stormwater Management Practices**

Most developments that increase the impervious area are required to install stormwater management practices. An Erosion Control and Stormwater Management ordinance requires the developer to offset the impacts caused by their developments by installing stormwater practices like the ones listed in Table 1. The three key requirements that new developments need to meet are listed below.

1. **Peak Discharges** – This helps reduce flooding and streambank erosion. Stormwater runoff rates cannot exceed predevelopment rates.

2. **Total Suspended Solids or TSS** – This helps keep our surface waters cleaner. New developments must have an 80% reduction of TSS when compared to no runoff management controls.

3. **Infiltration** – This reduces runoff and increases aquifer recharge. New developments must infiltrate a certain volume of water based on the size and type of development.

Unfortunately these practices do not last forever. Without routine maintenance they can become quite the eye sore and more importantly, they may no longer function as designed. An Erosion Control and Stormwater Management Ordinance is in effect in every municipality in Washington County. This ordinance also requires that stormwater practices be inspected and maintained to ensure long term function. The Washington County Land & Water Conservation Division administers this ordinance in seven of the thirteen towns and keeps an inventory of these practices, performing inspections every 5-10 years to ensure performance.

Now that all the practices have been inspected for the first time, we are in the process of sharing the results with the towns. Some practices have been ignored since installation and date back to the late 1980’s. As a result, these will require some minor work such as tree removal, erosion/gully repair and outlet structure repair. Many of these practices also have agreements that assign maintenance responsibility and grant legal access to perform these maintenance tasks. As the saying goes, “An ounce of prevention is worth a pound of cure”. Minor inexpensive maintenance now can prevent costly expenses like complete reconstruction in the future.

If you have questions about the state of the stormwater practices on your property or in your subdivision please contact Eric Hyde with the Washington County Land & Water Conservation Division via email at eric.hyde@co.washington.wi.us or call 262-335-4802.

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<td>223</td>
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<tr>
<td>Storm Sewer System</td>
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*Table 1: Stormwater practices in the Towns of Barton, Erin, Farmington, Germantown, Hartford, Polk, Trenton, and Richfield (Prior to Village designation).*

An ounce of prevention is worth a pound of cure!
Did you know conservation planning can help farmers, landowners, communities, and planners identify their resources and accomplish multiple objectives that are best for the land, water, and people? So farmers, dust off that conservation plan and revisit what was put together just for you!

Your conservation plan is a written record of your management decisions and the conservation practices and systems you plan to use, develop, and maintain on your farm. Simply put, the plan protects, conserves and/or enhances the natural resources (soil, water, air, plants, animals) on your farm.

**Conservation Plans Help Prevent:**
- Soil from being washed into bodies of water
- Water quantity problems due to over-pumping groundwater supplies
- Air transporting livestock odors or soil particles
- Plants being overgrazed
- Encroachment of invasive species
- Animal waste not being managed properly

**Benefits of a Conservation Plan:**
- Protects soil and your land’s productivity
- Identifies immediate or potential problems that may result in resource degradation and diminished production
- Establishes a reasonable schedule for applying needed conservation practices
- Helps you comply with environmental regulations

**Conservation planning is just one kind of planning - as it helps you to know where you are, where you would like to be, and how to best get there!**

**Are My Crops Happy or Going Hungry?**

Nutrient management is a way for Washington County farmers to ensure that their crops get the right source of nutrients at the right rate, time and place to match crop needs, while preventing nutrient losses from fields. A nutrient management plan accounts for all activities on the farm and in individual fields related to nutrient needs and losses during one crop rotation.

(Continued on Page 16)
Did you know? A farmer is presumptively qualified to prepare their own nutrient management plan after he/she has completed a Department of Agriculture-approved training course and the instructor approves their first annual plan within the preceding four years. Our two-day nutrient management and farmer certification class will be held at Cabela’s on January 27 & 29, 2015. Farmers new to nutrient management as well as certified past attendees are welcome to join us!

In addition to this two-day course, we will again offer a nutrient management “work day” at the Public Agency Center on Wednesday, January 7, 2015. Farmers may stop in with questions and update their plans for the 2015 growing season. Spend one-on-one time with our Certified Crop Advisers (CCAs) Stephanie Egner and Paul Backhaus.

Come and learn more this winter! Contact Stephanie @ 262.335.4804 or send an email to stephanie.egner@co.washington.wi.us to find out more.

The “Dirt” On Healthy Soils

Over 50 people attended the Soils Health Field Day at Rob-N-Cin Dairy, LLC in the Town of Trenton on October 3. The event was organized by Washington, Ozaukee and Sheboygan Counties. Landowners learned about soil health management systems that make their farm more profitable, productive and sustainable. Topics included:

- Soil Health and Cover Crops
- Farmer Panel-Cover Crop Success Stories
- Demo-Drones for Crop Scouting
- Soil Quality Indicator Tests
- Soil Pit Investigations
- Cover Crop Field Plots

Our “thanks” to the Roden family and all who assisted with this event!
# 2015 Order Form - Washington County Tree & Prairie Seed Program

## Evergreen Trees

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## Broadleaf Trees

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<td>25</td>
<td>$29.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Kentucky Coffeetree</td>
<td>12-24”</td>
<td>25</td>
<td>$48.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Paper Birch</td>
<td>12-24”</td>
<td>25</td>
<td>$26.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Quaking Aspen</td>
<td>12-24”</td>
<td>25</td>
<td>$39.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Red Oak</td>
<td>12-24”</td>
<td>25</td>
<td>$19.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Shagbark Hickory</td>
<td>12-24”</td>
<td>25</td>
<td>$47.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Silver Maple</td>
<td>12-24”</td>
<td>25</td>
<td>$14.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Sugar Maple</td>
<td>12-24”</td>
<td>25</td>
<td>$31.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Swamp White Oak</td>
<td>12-24”</td>
<td>25</td>
<td>$27.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Yellow Birch</td>
<td>12-24”</td>
<td>25</td>
<td>$43.00</td>
<td>x</td>
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</table>

## Wildlife Shrubs

<table>
<thead>
<tr>
<th>#</th>
<th>Tree Type</th>
<th>Size (Years)</th>
<th>Trees/Bundle</th>
<th>Price</th>
<th>Quantity</th>
<th>Cost</th>
<th>Alt**</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>American Elderberry</td>
<td>12-24”</td>
<td>25</td>
<td>$31.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>American Hazelnut</td>
<td>12-24”</td>
<td>25</td>
<td>$33.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Highbush Cranberry</td>
<td>12-24”</td>
<td>25</td>
<td>$37.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Ninebark</td>
<td>12-24”</td>
<td>25</td>
<td>$19.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Silky Dogwood</td>
<td>12-24”</td>
<td>25</td>
<td>$14.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Program Extras

<table>
<thead>
<tr>
<th>#</th>
<th>Item</th>
<th>Unit</th>
<th>Price</th>
<th>Quantity</th>
<th>Cost</th>
<th>Alt**</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>Bat House</td>
<td>Each</td>
<td>$33.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Bluebird House</td>
<td>Each</td>
<td>$25.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Butterfly House</td>
<td>Each</td>
<td>$34.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Soil Test Kit (For lawn &amp; garden - $18 lab fee)</td>
<td>Each</td>
<td>FREE</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Well Water Test Kit (For lawn &amp; garden - $46 additional lab fee)</td>
<td>Each</td>
<td>$3.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Compost Bin (Free booklet included)</td>
<td>Each</td>
<td>$60.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Field Guide to Terrestrial Invasive Plants</td>
<td>Each</td>
<td>$4.50</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Prairie Seed Packages

<table>
<thead>
<tr>
<th>#</th>
<th>Package Description</th>
<th>Price</th>
<th>Quantity</th>
<th>Cost</th>
<th>Alt**</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>Prairie Grass Only Mix (7 grasses)</td>
<td>$23.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Wildflower Only Mix (13 forbs)</td>
<td>$168.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Wildflower Only Mix (13 forbs)</td>
<td>$88.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Wildflower Only Mix (13 forbs)</td>
<td>$47.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Dry Prairie Mix (20 forbs / 7 grasses / 1 rush)</td>
<td>$75.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Medium-Dry Tall Prairie Mix (29 forbs / 7 grasses / 1 sedge / 1 rush)</td>
<td>$81.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>Wet Site Prairie Mix (25 forbs / 4 grasses / 6 sedges / 1 bulrush)</td>
<td>$115.00</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* First number – years as a seedling; second number – years as a transplant.
** Please indicate your second choice for each item ordered. The alternative will only be used if your first choice is sold out.

Check Payable To: Washington County
MAIL TO:

WASHINGTON COUNTY
LAND & WATER CONSERVATION DIVISION
333 E. WASHINGTON ST., SUITE 2300
PO BOX 2003
WEST BEND, WI 53095-2003

Due March 6, 2015

For Information on Prairie Seed Packages and Program Extras
Website: www.co.washington.wi.us/lcd
Tree & Prairie Seed Program
Or Call: (262) 335-4800 (Monday-Friday 8:00am-4:30pm)

Payment in full must be received with your order
or it will not be processed.

Sorry ... no credit cards accepted at this time.

5.6% tax must be added to your total order.
Tax Exempt must supply certificate.

Prairie Seed Package information and planting
instructions may be found online:
www.co.washington.wi.us/lcd

A limited quantity is available, so order early. All orders
will be pre-packaged for pick-up.

There is no guarantee/warranty on any tree, shrub or prairie
seed mix. To minimize losses, please follow planting and
maintenance instructions available on our website. We can
direct you to equipment suppliers if needed.

You will receive confirmation by mail in early April.
Orders not picked up on designated dates/times will not be
available for refunds. Pick-up dates tentatively set for
April 23 & 24.

I have read and understand the program information as documented in this brochure.
I have enclosed my full payment for the order as listed on this form.

Signature: ___________________________ Date: ___________________________

Name: ___________________________________________ Address: ___________________________________________
City: __________________ State: _______ Zip: __________
Telephone Number - Day: ______________________ Evening: ______________________
Tax Exempt Number (If applicable- please also attach a copy of your tax exempt certificate): ______________________

If you are interested in next year’s program,
Please check one box:
☐ I have access to the internet. Please send a reminder postcard.
☐ I do not have access to the internet. Please mail me a paper copy of next year’s brochure.

INFORMATION NEEDED FOR WELL WATER TEST KITS ONLY

☐ Check Here if the address for Well Water Test Kit is same as indicated above. If different than above or if more
than one kit is requested, please fill in the following information describing well location(s):

Name: ___________________________________________ Name: ___________________________________________
Address: ___________________________________________ Address: ___________________________________________
City: __________________ State: _______ Zip: __________ City: __________________ State: _______ Zip: __________

Photos courtesy of the Washington County Historical Society

Thank You!
Heavy, Frequent Rains = Soil Erosion + Lost Income

This spring and summer, Washington County was blessed with an abundance of rain. We were thankful for the rain but at times it was heavier and more frequent than what we would have liked and what our soil could handle. This year some farm fields experienced heavy soil loss which affected yields. You can improve and protect your land from these occurrences and also protect our surface water, groundwater and natural resources through conservation best management practices.

Assistance and/or funding (cost sharing) may be available to you for the implementation of soil erosion control conservation practices. Although the designs and approaches of implementation may vary, one or more of the following best management practices may be a solution for you:

- Grassed Waterway
- Filter Strip
- Contour Strips or Contour Buffer Strips
- Nutrient Management
- Residue Management or No-Till
- Terrace
- Diversion
- Water & Sediment Control Basin

For free technical assessment of which practice(s) can limit lost income, contact the Washington County Land & Water Conservation Division staff at 262.335.4800.
You can hunt waterfowl from Appalachia to the Redwood Forests. Many hunters trek across the country every season stopping along the Mississippi, the Dakotas, and California. Ducks and geese are abundant now, but might diminish in the future because of the spread of invasive species. Waterfowl hunters often travel from one hunting spot to another during a season. In many cases, there is little thought to wash off equipment in between destinations. Washing equipment is a necessary step after leaving and before entering each new hunting area. Not washing equipment may result in the spread of invasive species. Some invasive species are responsible for massive wildlife die-offs, including duck populations in the Mississippi Watershed. These die-offs can negatively affect hunting regulations in the future prohibiting you to hunt in certain areas.

Invasive species are plants or animals that are introduced to a new ecosystem and start to take it over. They have no natural predators or diseases to keep their populations in check. They often reproduce quickly and in large numbers, and can establish populations easily.

How Are Invasive Species Spread by YOU?

Hunters can spread invasive species between lakes and marshes without knowing. You may have aquatic hitchhikers on your waders, decoys, gun/gun case, portable blinds or tarps, boat and boat camouflage, anchors, or push poles. Invasive species harm waterfowl and local fish populations. They can hide in mud and attach to the tread in your boots, getting “dropped off” at new sites. Sometimes these species can be so small, you can fit nine on your pinky fingernail (see above picture). It is easy to miss species this small, so it is important to take precautions to avoid spreading invasive species, even if you cannot see them!

How to make and apply a 2% bleach solution for equipment:

1. Mix 2 Tablespoons household bleach with 1 gallon water.
2. Place mixture into designated spray bottle OR;
3. Place towel in solution (with gloves on).
4. Either wipe or spray equipment thoroughly and let dry.
5. Rinse with water, if desired.
6. Be sure to always protect eyes and skin that may be exposed to bleach! Spray downwind of yourself in a well ventilated area. Make sure no pets or people are around.

New Zealand mud snails (Potamopyrgus antipodarum) are so small that several can fit on a pinky nail.

Kyle Wintersteen gives his best effort to wash off his dog after a day of hunting. This action prevents the spread of small seeds, animals, or muck that can contain invasive species. Photo Credit: Kyle Wintersteen
New Zealand mud snails (*Potamopyrgus antipodarum*) are tiny black to brown shells that have recently shown up in Wisconsin waters. They are very tiny and reproduce rapidly and in great numbers. They are born pregnant so their population can grow very quickly. Black River Creek in Dane County is the only place in Wisconsin where these invaders have been found thus far, however, transferring these tiny shells may go unnoticed since they are so small and inconspicuous. It is important to learn to recognize and report this species if found anywhere else in Wisconsin.

Faucet snails (*Bithynia tentaculata*) are carriers of three known trematodes, known as flukes, which can act as intestinal parasites to ducks as well as any other waterfowl that eat them. The snail is a necessary host for the flukes to survive. When waterfowl eat the snails, the fluke may or may not be present. The fluke-carrying-snails have been responsible for major waterfowl die-offs around the Mississippi.

**How to Avoid These Invasive Species**

- **Learn** to recognize New Zealand Mud Snails and Faucet Snails
- **Inspect** ALL equipment for signs of attached animals or plants
- **Remove** any mud, seeds, dirt, or attached plants or animals from equipment
- **Rinse** your pets
- **Rinse** boat and equipment with high pressure water or wash with 2% bleach solution OR **Dry** equipment or boat for five days
- **Scrub** waders and boots with stiff bristled brush, and avoid felt-bottom waders

So if you wade, wash! Brush your boots, boat, and blind! Douse your duck dog! Don’t forget that you are the number one solution to keeping the great waterfowl legacy alive in Wisconsin. You can prevent the spread of invasive species, and you can save the heritage of our beautiful Wisconsin lakes, one spot at a time. If you have any questions about Aquatic Invasive Species (AIS), contact Bradley Steckart, AIS Coordinator for Washington County. Bradley is available to teach classroom lessons and share information with Lake Associations or other interested parties.
Get Your Kids’ Guide to Our Local Parks and Natural Areas!

Love exploring and learning about nature?

Stop by the Washington County Planning and Parks Department to pick up a free copy of the Kids Guide to the Outdoors! This book was produced in 2007 by the Great Waters Group of the Sierra Club and makes a great companion for outdoor fun in Washington, Ozaukee, Waukesha and Milwaukee counties. The Kids’ Guide includes details on over 100 local parks, trails and nature areas including six Washington County parks.

The Kids’ Guide was created to encourage kids (ages 6-12) to explore, enjoy and protect the Wisconsin outdoors. This book has lots of great information for the whole family. It provides directions and hours for parks and trails and details about activities they offer. There are lessons about our area’s glacial past, waterways, trail networks, animals, plants and fungi. Orchards and farmers markets are also listed in the book promote eating healthy and buying locally.

The Guide also has site-specific questions that challenge kids to learn more about nature in the places they visit. There are suggested hikes and activities for most parks and reminders about how to dress, what to bring (some parks do not allow dogs) and what to see. Carrying a Kids’ Guide to the Outdoors is a great way to keep track of the parks and trails you visit. Toward the back the book there are open pages to take notes, draw pictures and make a record of your visits.

Washington County currently has about 25 copies of the Kids’ Guide, so get yours while supplies last! Limit one guide per child. First come, first serve. If you are interested in obtaining a copy, please call 262.335.4445 or send an email to ppdnewsletter@co.washington.wi.us to confirm that copies are still available.

Note: The Kids’ Guide includes a stamp collection challenge to encourage visits to lots of parks. The challenge allows kids to earn a gift from the Sierra Club if they recorded stamps or signatures from at least six locations. The stamp and reward program is still intact through the Sierra Club! Discount coupons for area State Parks and trail fees found in the Kids’ Guide may still be honored!
Wisconsin’s Envirothon

The Wisconsin Envirothon is our state’s ultimate middle and high school environmental science challenge where teams of five high school or middle school students participate in the hands-on, outdoor field challenges designed by natural resources professionals and educators. The exams are based on four categories, Forestry, Soils/Land Use, Aquatic Ecology and Wildlife. The teams also participate in creating a group presentation based on a pre-selected conservation topic, a current issue local conservation professionals are dealing with across the state.

This event offers an opportunity to start developing leadership skills to champion a more sustainable and environmentally aware community. Winners advance to the North American Envirothon / Regional Envirothon to compete in scholarships and prizes. The event is hosted by Wisconsin Land+Water Conservation Association and is being held on Thursday, April 16, 2015 at the Wisconsin Lions Camp in Rosholt, WI. Information can be found on the website: http://wisconsinlandwater.org/ under Events.

Conservation Poster Contest Highlights Pollinators

All Washington County K thru 12th grade students are invited to participate in the 2015 Conservation Poster Contest “Local Heroes-Your Hardworking Pollinators”. Every student entering the competition will be rewarded. Each participant will receive a certificate commending his/her interest and concern for the environment. The top three local level winners of each category (grades K-1, 2-3, 4-6, 7-9 & 10-12) will be awarded visa gift cards and art supplies. All first place winners will advance to the Area level of competition for judging.

Posters shall be submitted to the Land & Water Conservation Division by Tuesday, December 30, 2014 for judging and determination of local winners. Required entry forms and contest rules may be found on the web: http://www.co.washington.wi.us/lcd under Conservation Education for Kids.

Clean Ways for Waterways
A Website for Children

http://www.cleanways.org/ - click on Clean Ways for Waterways (Stormwater Education)

What we do in our backyards and our communities can make all the difference to the quality of our lakes and streams. Visit the website with your children.
Planning & Parks Department Newsletter is published semi-annually for Washington County residents. Viewpoints of authors do not necessarily reflect those of the Planning, Conservation and Parks Committee or the Washington County Board of Supervisors. The Planning, Conservation and Parks Committee and the Planning and Parks Department staff encourage responses from the public.

Planning & Parks Department Mission Statement:
The public is provided with recreational benefits, environmental protection and increased awareness, compliance with regulations, vibrant local economy, sensible growth and an improved quality of life in Washington County.

Planning, Conservation and Parks Committee Members
Michael R. Miller, Chairperson
Raymond W. Heidtke, Vice-Chairperson
Gerald J. Schulz, Secretary
Melvin K. Ewert, County Board Supervisor
Peter I. Sorce, County Board Supervisor
Michael Parsons, County Board Supervisor
Robert Hartwig, County Board Supervisor
Ross Bishop, FSA Representative - LCC Member

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This Newsletter is available in color on the website! Go Green...Go Green...Go Green
In an effort to conserve environmental and financial resources, please consider receiving the newsletter electronically.
Please send an email to: ppdnewsletter@co.washington.wi.us or call 262.335.4800