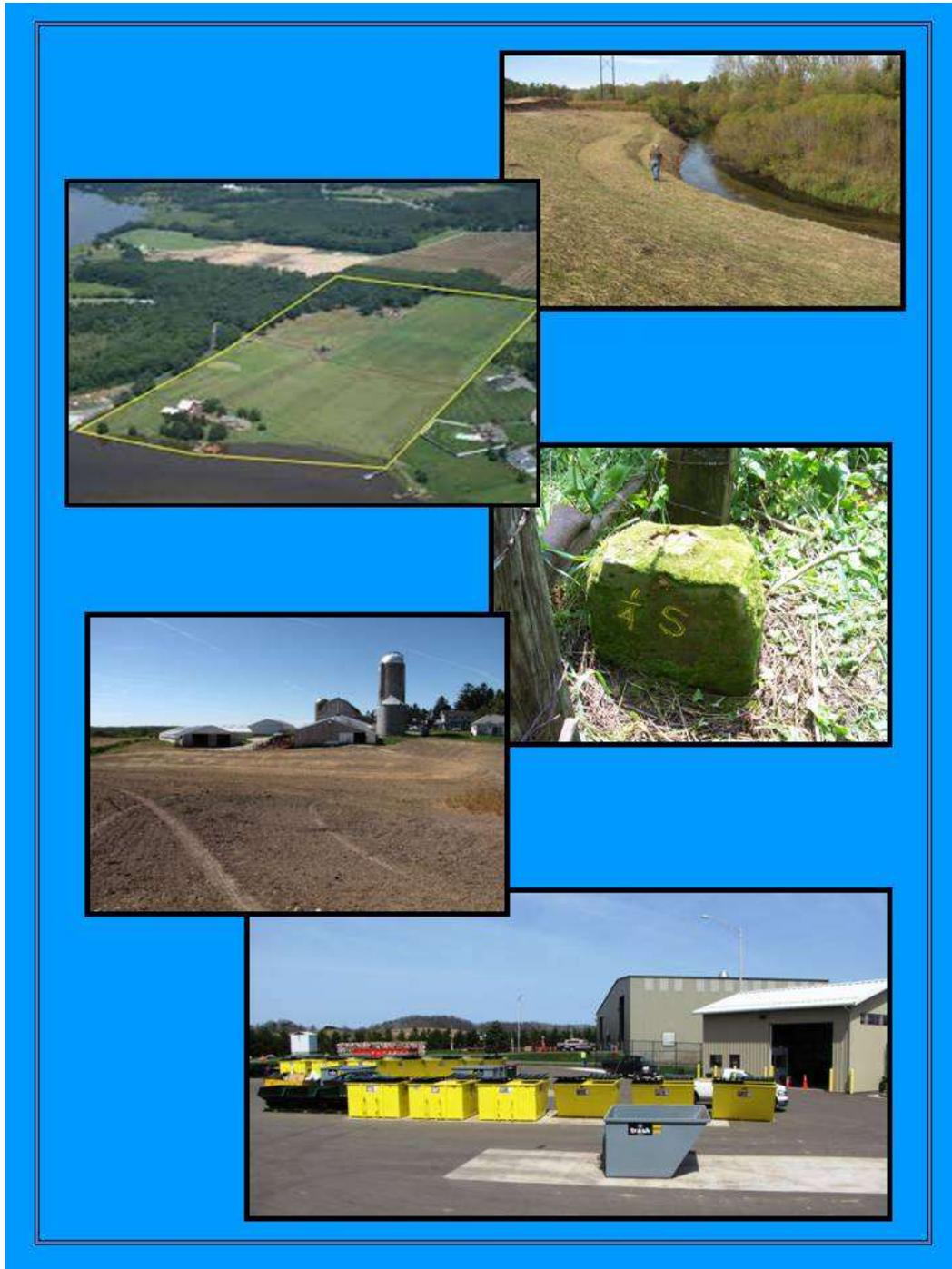


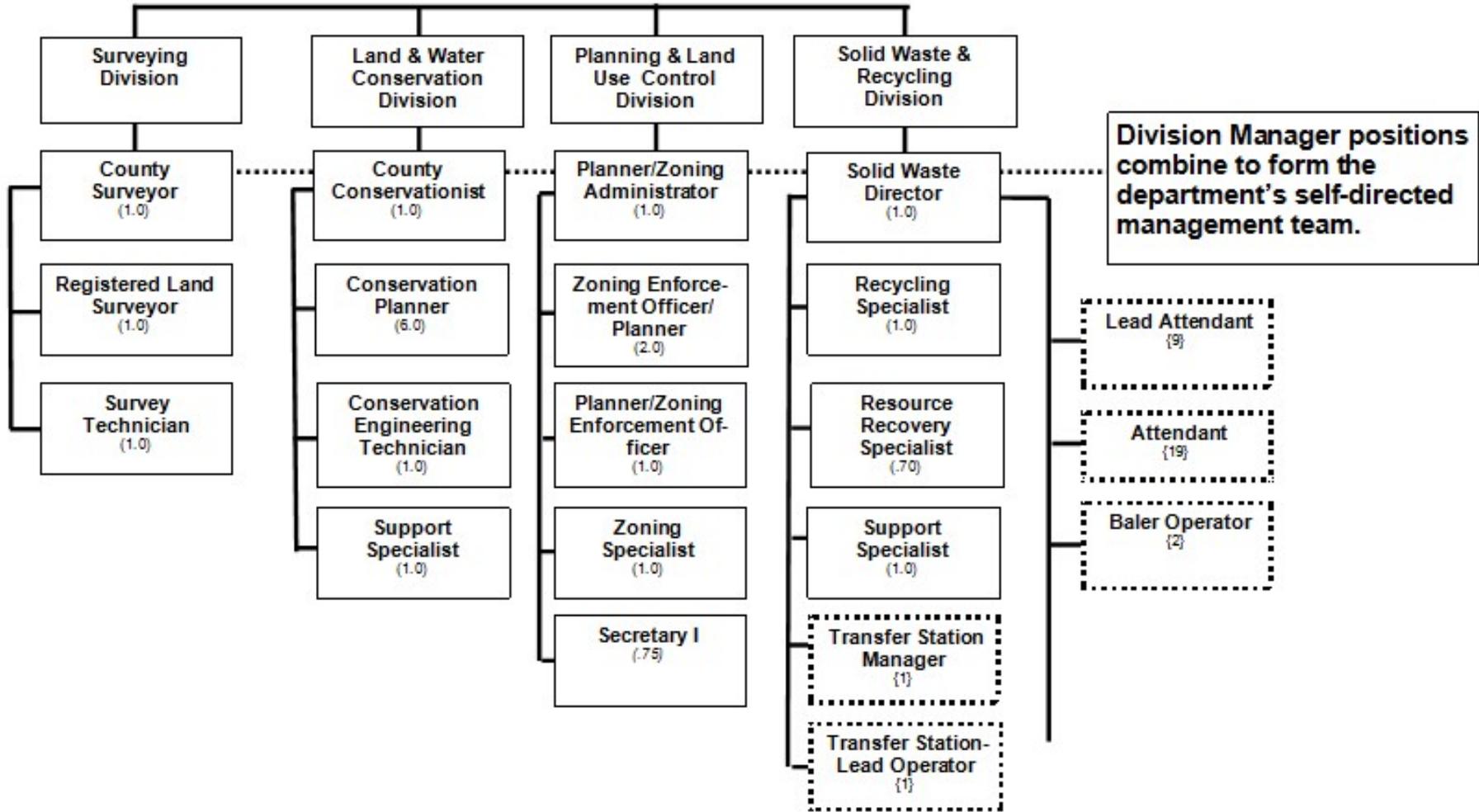
# 2018 ANNUAL REPORT

## ENVIRONMENTAL SERVICES DEPARTMENT

### DUNN COUNTY



# DEPARTMENT OF ENVIRONMENTAL SERVICES



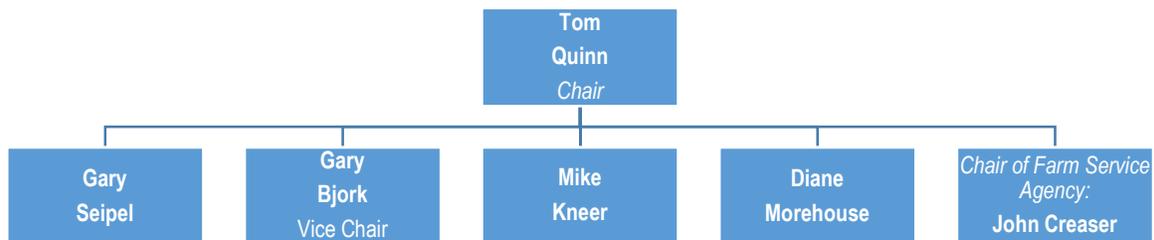
# PLANNING, RESOURCES & DEVELOPMENT COMMITTEE

The Planning, Resources and Development Committee is the home Committee for the Environmental Services Department which is made up of four divisions, including Land and Water Conservation, Planning and Land Use Control, Surveying, and Solid Waste and Recycling. It is also the home Committee for the Register of Deeds. For issues within the jurisdiction of the Land Conservation Committee as described in Wis. Stat. § 92.06, the Chairperson of the Farm Service Agency is also a member.

The Committee provides direction and policy through long range plans and ordinances that support countywide natural resource management programs. These programs promote the public health, safety, convenience, and the general welfare of the citizens while recognizing the present and future needs of agriculture, forestry, and industry. The Committee encourages planned and orderly land use and development as it works to halt and reverse the depletion of Dunn County's soil resources, pollution of its waters, and protection of its groundwater resources. They also conduct public hearings for rezone requests, changes in ordinances and other matters, and make recommendations to the full County Board for consideration of those items.

As a rule, the Committee meets twice a month on the second and fourth Tuesdays. Exact dates are subject to change depending on the needs of the public and the Committee members. Meetings are usually held in Room 58 at the Government Center and begin at 8:30 am.

## 2018 PLANNING, RESOURCES & DEVELOPMENT COMMITTEE ORGANIZATIONAL CHART



# DUNN COUNTY LAND AND WATER CONSERVATION DIVISION



**THE MISSION OF THE LAND AND WATER CONSERVATION DIVISION  
IS TO PROTECT, PRESERVE, AND ENHANCE  
THE NATURAL RESOURCES OF DUNN COUNTY**

Dunn County Land and Water Conservation has identified a “Healthy Soil” as the way to improve and protect the quality of our surface and groundwater. 2018 marked the fourth year of implementing conservation practices on the Red Cedar Demonstration Farm. No-till planting, cover crops and three crops in the rotation out-yielded the check strips for the first time. New demonstration farms were created on working farms in the Towns of Hay River and Grant and the Red Cedar Conservation Farmers, a new farmer-led watershed group, was formed. They all focused on soil health. These projects and many more are a success because of the farmers and landowners involved and because of the talented and dedicated staff in the Land and Water Conservation Division. I have asked each staff member to write an article on a significant project that they were a part of in 2018. This will give you, the reader, an indication of the variety of resources and issues that we address and an opportunity for you to become familiar with the staff of the Land and Water Conservation Division. If you have specific questions on any of our programs or natural resources in general, please contact us at 715-232-1496 or use the link to our Division on Dunn County’s website at <http://co.dunn.wi.us> . Dan Prestebak, County Conservationist

## 2018 LAND CONSERVATION COMMITTEE

- THOMAS QUINN.....Chair
- GARY BJORK..... Vice Chair
- GARY SEIPEL..... County Board Member
- MIKE KNEER..... County Board Member
- DIANE MOREHOUSE..... County Board Member
- JOHN CREASER..... FSA Representative

## 2018 LAND AND WATER CONSERVATION DIVISION STAFF

- DAN PRESTEBAK.....County Conservationist
- JANELL NEWCOMB..... Support Specialist
- TINA BARONE..... Conservation Planner
- TRAVIS DRIER..... Conservation Planner
- CHRIS GAETZKE (currently vacant)..... Conservation Planner
- AMANDA HANSON..... Conservation Planner
- ROBERT KANER..... Conservation Engineering Technician
- LINDSAY OLSON (currently vacant)..... Water Quality Specialist
- JESSICA SCHOEN..... Conservation Planner

## Tina Barone, Conservation Planner

### Neighbor to Neighbor: Reinvigorating the Knights Creek Watershed

Dunn County Land and Water Conservation Division (LWCD) has been working with landowners and operators to address soil erosion in the Knights Creek Watershed upstream of a Flood Control Dam. The dam was installed in 1970 through the *Watershed Protection and Flood Prevention Act* (PL-566). According to the USDA Soil Conservation Service *Project Completion Report* dated June 1, 1972, *“The Towns of Weston and Dunn saved an estimated \$4,000 in road repairs after heavy rains on June 8, 1970, because of the three flood control dams completed recently. This estimate was given by Ruben Smith who has patrolled the roads for many years. Mr. Smith stated that the township would have lost all the culverts and much road surfacing in the valley below the dams.”* The flood control dam is still controlling flood waters today as it was initially intended, but the dam is filling up with sediment from soil erosion upstream of the dam. Dunn County removes sediment on a regular basis to keep the low flow inlet and trash rack from being buried.



*Sedimentation at Low Flow Inlet on Flood Control Dam*

LWCD staff have spent the last few years building relationships with landowners and cropland operators in the watershed to implement reduced tillage, no till, cover crops, grassed waterways, and grade stabilization structures. The project started with one eroding gully in the woods cutting up toward the crop field and several areas of ephemeral erosion in the field. The landowner, Beverly Fuhrman, and LWCD staff developed a plan to address the eroding gully with a grade stabilization structure and the ephemeral gullies were addressed with grassed waterways. The LWCD staff worked with Beverly and her operator, Steve Lechler, to review possible changes to the rotation and tillage that would reduce soil loss to tolerable soil loss (T) or below. An agreement was reached after multiple meetings and a document was signed by Beverly, Steve, and LWCD staff to record the agreed upon rotation and tillage.



*Ephemeral Erosion in Crop Field*



*Stabilization Structure Immediately after Construction (above) and the Following Spring (below)*

Once the grade stabilization structure construction began, neighbors started to take notice. Steve contacted the upstream owner/operator, Roger Kassera, to talk about putting a waterway on his land. Roger stopped out to check on construction and LWCD staff asked if he would be interested in continuing a waterway upstream of the grade stabilization structure past the property line on his land. Roger agreed to work on that waterway and one other waterway. LWCD staff spoke with Roger about rotation and tillage. Roger decided to adopt no-till instead of using vertical tillage on his crops and to try rye cover crops after soybean harvest. LWCD continues to work with Roger on closing a manure storage structure that has not been in use for many years. He also asked about addressing another gully on a different piece of land upstream. When LWCD staff looked at the grassed waterway site, erosion upstream of Roger's property line was observed.



A letter was sent to this landowner, Justen Walton, by LWCD staff and then followed up with a phone call after Roger provided his phone number. Justen operates his land using no till and cover crops but has found it difficult to establish waterways on this property. He agreed to work with LWCD staff to address his ephemeral erosion by installing grassed waterways on his land.

Some of the practices mentioned have been installed already, and others are planned for construction in the following years. LWCD staff assisted landowners in attaining partial funding for some of the practices from Wisconsin's Soil and Water Resource Management Grant (SWRM) administered by the Department of Agriculture, Trade and Consumer Protection (DATCP) and the Environmental Quality Incentives Program (EQIP) administered by the Natural Resources Conservation Service (NRCS). Once all the planned practices have been installed, an estimated 1,000 tons/year of soil will remain in place instead of downstream in the Knights Creek Dam.

LWCD staff is hopeful these conservation efforts will continue to be discussed neighbor-to-neighbor in the Knights Creek Watershed and additional interest will develop in conservation.



Soybeans no-tilled into corn stalks



Corn planted into 14" standing cereal rye cover crop

## **Travis Drier, Conservation Planner – Nutrient Management Specialist**

### **What is a Nutrient Management Plan?**

Our office gets many calls and office visits from both farmers and non-farmers with questions about...you guessed it, farming! One area that we have been receiving more questions and complaints about is the application of nutrients on farmland. Fortunately, there is a tool that is available to answer these questions or to address complaints and it is called a Nutrient Management Plan. A Nutrient Management Plan (NMP) helps farmers balance soil nutrient inputs with crop requirements in a way that minimizes the transport of nutrients to ground and surface water. It takes into account crop rotations, manure and fertilizer applications, tillage operations, and leftover crop residue. A nutrient management plan determines if farmland is being operated in a sustainable way while reducing soil and nutrient losses. Each nutrient management plan is unique because it is developed to meet the needs of each individual landowner or operator's objective and farming style.

A nutrient management plan includes maps of the entire farm that show individual fields and the soil type in each field. These maps are used to show where nutrients can be applied throughout the year along with areas that may be susceptible to runoff or groundwater contamination. When susceptible areas are located, buffer zones are created to protect them from potential contamination (such as wells or exposed bedrock) or the amount of nutrients applied are reduced or restricted (such as areas with shallow bedrock or a high water table). The nutrient management plan shows the amount of nutrients needed to meet specific yield goals and the total amount of nutrients needed for the crop year. It will also show the farmer how many acres of each crop will be planted along with estimated yields. The nutrient management plan will even estimate the amount of manure that will be produced from livestock and it will assist the farmer in deciding the best areas to apply it to their cropland. By knowing these things, the farmer is able to plan out what nutrients their crops will need or the amount of manure their livestock will produce months or even years in advance, which will assist them in creating future plans or meeting farm goals.

How can farmers get a nutrient management plan for their farm? They can either develop their own plan or hire a certified professional to do it for them. For those who would like to write their own plan, the Dunn County Land and Water Conservation Division and the Chippewa Valley Technical College (CVTC) partner each fall to offer a grant funded Nutrient Management Class for farmers. In this class, farmers are assisted with writing their own nutrient management plan and learn about recent changes in agricultural laws and farming practices. After completing this class, farmers are qualified to write their own nutrient management plan for the next four years and can certify that their farm is meeting requirements found in Wisconsin Chapters NR 151 and NR 243. If farmers prefer to hire a professional to develop a plan, they can apply for monetary assistance, up to \$40 an acre, through the Dunn County Land and Water Conservation Division.

### **Amanda Hanson, Conservation Planner**

#### **Transect Survey – For Over 20 Years and Still Counting!**

Since 1999 the staff of Dunn County Land & Water Conservation Division has taken an annual Transect Survey of Dunn County. During the survey agricultural fields throughout the County are evaluated for last year's crop, crop residue, cover crops, current year's crop, current year's

tillage, ephemeral erosion and gully erosion. In time this builds a cropping rotation that can be used for calculating annual soil loss. Data for this survey is best used to show trends within watersheds of the County. These trends assist us to focus funding in a certain areas of the County to reduce soil erosion and water quality. The trends may also help us evaluate changes within watersheds, and the County as a whole.

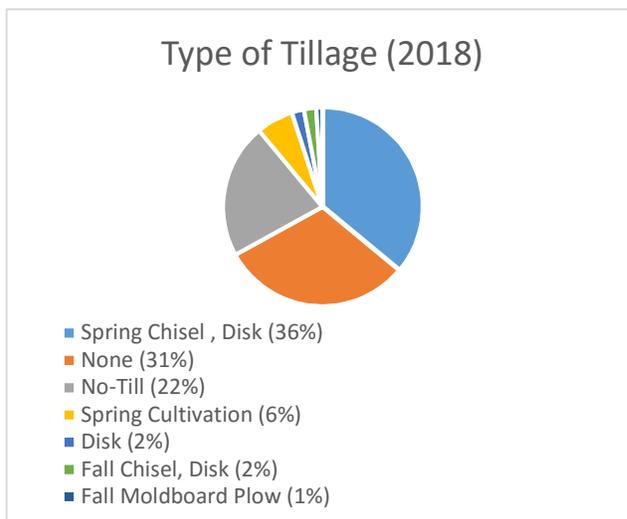
The program we used to enter our data into transitioned to Snap Plus in 2017. It is the same program that farmers and agronomists use for nutrient management planning. This change also created a change in the soil loss calculation, so we will need a few more years of data to start relying on the Snap Plus information as a trend over a rotation.

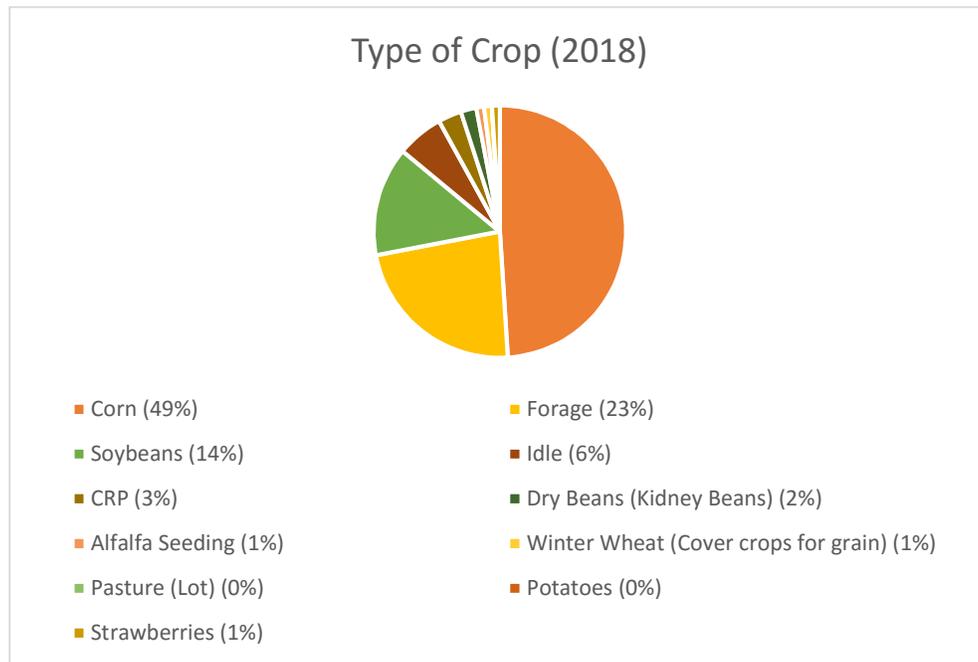
The survey is performed during June when the current year’s crop has emerged but has yet to canopy. At this time residue and tillage is still visible. The survey route is based on the method to stop every 0.5 miles and inventory the agricultural fields on both the left and right side of the road. This stop is referred to as a point. There are currently 598 points in the survey. A majority are active having agricultural field on the left and right side. Some may be active on one side and inactive on the other side. An inactive side is non-agricultural, and it may be a house, a wetland, or located in an adjacent County. If there is no point at 0.5 miles, then we roll ahead to the first agricultural field. We stop at the same 598 points every year. The longest distances between points are 3.9 miles (travel within the County) and 6 miles (travel out of County to the nearest bridge).

Over 20 years ago, a 1975 Soil Survey of Dunn County was used along with reading the mileage on the vehicle’s odometer, and paper forms were filled out. Back then it took 4 people to complete the survey. Now we use a laptop computer that has the Snap Plus program for data entry, an electronic map of the County that has the points located along with roads and aerial photography, and the ability to record notes. A GPS unit is used to locate the points and also serves as a guide for the driver of the vehicle. Currently, it takes 2 to 3 people to complete the survey.

These 598 transect points are in all of the Towns in Dunn County. Note: 1 point has each side in a different town, resulting in a total of 599 points below.

Town	Points	Town	Points
Colfax	25	Red Cedar	20
Dunn	39	Rock Creek	32
Eau Galle	41	Sand Creek	42
Elk Mound	9	Sheridan	34
Grant	26	Sherman	29
Hay River	23	Spring Brook	64
Lucas	31	Stanton	26
Menomonie	23	Tainter	22
New Haven	24	Tiffany	17
Otter Creek	11	Weston	26
Peru	9	Wilson	26





## Robert Kaner, Conservation Engineering Technician

### The Scoop on the Poop in Dunn County - Implementing the Manure Management Ordinance

In the year 2000, Dunn County created and adopted a “Manure Management Ordinance” (AWO) that regulates the siting, construction, removal and use of any manure storage structures that are built after that date. Dunn County determined that the rules found within the USDA- Natural Resources Conservation Service standards and specifications would be used to administer this ordinance. A permit is required and currently there is no fee. The ordinance also regulates the application and spreading (use) of the animal waste that is being contained within these structures.

As a Technician with the Land and Water Conservation Division (LWCD) for the past 33 years, one of my duties is to work with farmers wishing to build manure storage structures or remove existing unused storage structures and guide them through the “permit” process. The LWCD also assists operators in meeting this ordinance by creating written plans and maps to properly utilize the manure.

In 2018, this ordinance was effective in determining how animal waste was or would be safely stored, handled, and applied in Dunn County.

- It affected a 70 cow dairy operator in deciding whether to construct a liquid tight storage pit or continue to daily spread (sandy soils now call for a double liner in the pit storage to reduce the chance of leaking. Daily spreading is still allowed).

- It affected how a farmer with 200 heifers in a free stall confinement barn could continually stack the manure produced “on site” until timing was right to apply it to cropland. (stacking of solid or semi-solid manure is allowed if separation distances to wells, surface, ground water, bed rock and neighboring property lines can be met).



*Backhoe soil pit investigations to determine groundwater, bedrock, and required liner options*

- It affected a 5,000 cow dairy facility constructing 2 new manure storage pits with double liners and how and where the manure is being applied (actual animal numbers on a parcel of land are not restricted but proof of having land available to apply manure according to an approved Nutrient Management Plan is required).

• It affects if and how existing non-used storage pits are cleaned out and dismantled. A “Dunn County Permit” is needed to remove an idle manure storage structure. Cost share funding is often available to help fund these removals because they pose a real threat to groundwater contamination.



(Before) Existing HDPE plastic-lined pit that was removed



(After) New concrete-lined pit



Dunn County LWCD does not provide engineering designs or cost share funding for manure storage. We do provide farm site walkovers and consultations and review all submitted designs and plans documents. We also follow-up on reported concerns and complaints that are received by our office.

In my role as a reviewer of new manure storage design and plan documents, I have seen page after page of the DNR review comments and required changes to plans that were developed by private engineering firms. The DNR completes a very detailed review prior to approving these projects. **NOTE:** The DNR only reviews and requires permits for facilities with 1000 or more animal units (AU) (e.g., 700 adult cows). Facilities with less than 1000 AU (e.g., 699 adult cows) are reviewed by the Dunn County LWCD with assistance from DATCP or NRCS staff.

The Manure Management Ordinance is currently being reviewed and revised by the Land Conservation Committee. Questions and comments can be directed to me or Dan Prestebak.

## Janell Newcomb, Support Specialist

Dunn  
Environmental  
Education  
Steering  
Committee

Inspiring future generations to become aware of the natural resources around them



Photo 1



Photo 2



Photo 3



Photo 4

### Youth or Consequences...

O.K., so it's not a game show. The truth is, the youth of today *are* tomorrow's future! The Dunn Environmental Education Steering Committee (DEESC) has been working with youth for the past five years at Environmental Field Days to instill an awareness of the natural resources around them and to help them understand that every interaction they have with those resources has a positive or adverse effect.

With the help of many resource professionals from sister agencies, learning stations are set up to provide them with hands-on activities for topics such as soil formation, soil health, wildlife, forestry, recycling in Dunn County, water quality, and native & invasive species. Examples of activities are identifying macro-invertebrates in a cold-water stream system to determine water quality (photo 1), recognizing common species of trees (photo 2), learning about the importance of soil (Photo 3 – soil tunnel), building and naming their own soil profile (photo 4), and much more! Working together, we have shared our knowledge about these topics with around 900 students.

Other activities that the Committee plans are the Conservation Awareness Poster and Speaking Contests and the Land Judging Contest. We also assist with kid's day at the Chippewa Valley Farm City Day. Current members of the Committee are Janell Newcomb, Ka Ying Vang, Megen Hines, and Jessica Schoen.

## Jessica Schoen, Conservation Planner

### Soil Health in Dunn County

I'm from a tiny town called Paris, Wisconsin. It is located near Kenosha in the southeast part of the state. I received my Bachelor's degree in Water Resources from UW-Stevens Point. I love working in conservation because I am constantly learning new things, finding new challenges, and speaking to diverse stakeholders. Outside of work, I love spending time outside kayaking, hanging out with my dogs, and fishing. I began working for the Dunn County Land & Water Conservation Division in June of 2018. Much of my time was dedicated to promoting soil health practices on agricultural land across Dunn County.



So what is “soil health”? Simply put, it is the ability of a soil to function. Does the soil soak up rain water after a storm? Does the soil provide healthy habitat for beneficial fungi, bacteria, and worms? Does the soil provide nutrients to plants or crops, and does it break down residue at the end of the growing season? A healthy soil does all of these things. If a soil does not do these things, it can impact farmers and landowners negatively. For example, rather than soaking up rain water, an unhealthy soil may generate excess runoff resulting in loss of soil and fertilizer.

In Dunn County, promoting soil health agricultural practices included a lot of phone calls to farmers, one-on-one site visits, and lengthy discussions about soil biology, crop yields, farm equipment, nutrient application, and water quality. It also included follow-up farm visits which were prompted by farmers who called me back a few weeks or months later with something exciting or curious to show me. The follow-up visits are my favorite part of my job – working with farmers who are engaged in conservation, whether it is new to them or a life-long commitment, is always rewarding.

In 2018, I was able to reach out to over 30 different farms to start conversations about soil health and conservation. Some of these farmers and landowners were interested in learning more, some wanted to immediately apply soil health practices and conservation on their fields, and some just wanted to begin building a relationship with the local conservation office. The variety of attitudes, interests, and readiness to “do something” is what keeps things interesting!



*Reviewing Soil Biology Sample Data with a Farmer in his Workshop on the Farm*

## Natural Resources Conservation Service

Our partnership with the Natural Resources Conservation Service (NRCS) is a valuable component of the Land and Water Conservation program in Dunn County. John Sippl (District Conservationist), Ka Ying Vang (Soil Conservationist), Austin Littmann, and Hannah Wirth work every day on the design and installation of conservation practices that increase our ability to implement the goals and action items in our Land and Water Resource Management Plan.

The Environmental Quality Incentives Program (EQIP) provides financial assistance to landowners installing conservation practices to implement conservation plans. In 2018, one hundred thirty EQIP cost-sharing contracts (totaling \$2,900,000) were signed funding nutrient management plans, grazing systems, farmstead improvements, grassed waterways, cover crops and other conservation practices. Several of these contracts were completed with assistance from LWCD staff and several more were completed through a \$50,000 Technical Assistance Agreement with Dunn County and the National Association of Conservation Districts.

The Conservation Security Program began in 2010. Currently, there are 140 active participants receiving \$800,000 in annual payments. This program encourages producers to address resource concerns in a comprehensive manner by undertaking additional conservation practices and improving, maintaining, and managing existing conservation practices.



Pipe Installation on Grade Stabilization Structure



Grade Stabilization Structure Repair

# PLANNING & LAND USE CONTROL DIVISION

## PLANNING & LAND USE CONTROL STAFF

BOB COLSON.....Planner & Land Use Control Administrator  
JANET RIEDEL.....Zoning Specialist  
VACANT..... Zoning Enforcement Officer/Planner  
MICHELLE SIEGL..... Zoning Enforcement Officer/Planner  
ADDISON VANG ..... Planner/Zoning Enforcement Officer  
NANCY RADKE .....Secretary I

## ZONING

January 26, 2015, the Planning and Land Use Divisions were merged. The merge affects the delivery of services, at least from an organizational viewpoint. The division's work plan is to concentrate on zoning/sanitation during the building season (April -December) and to concentrate on planning (December – April). There will be overlap between the two disciplines and date specific projects will be scheduled accordingly.

## ZONING PERMITS

In 2018, 222 zoning permits were issued. These permits are issued for multiple uses including, but not limited to, new dwellings, garages, sheds, Ag use buildings and additions to existing structures.

**Table A** shows the new housing starts in 2018 (this includes on-site constructed and manufactured homes).

## 2018 HOUSING STARTS Table A

TOWNSHIP	NEW HOUSE	NEW MOBILE HOME	DUPLEX	TOTAL
COLFAX	7	2	0	9
DUNN	7	1	0	8
EAU GALLE	0	0	0	0
ELK MOUND	0	0	0	0
GRANT	2	0	0	2
HAY RIVER	2	1	0	3
LUCAS	2	0	0	2
MENOMONIE	6	3	0	9
NEW HAVEN	0	0	0	0
OTTER CREEK	1	1	0	2
PERU	1	0	0	1
RED CEDAR	7	0	0	7
ROCK CREEK	0	0	0	0
SAND CREEK	0	0	0	0
SHERIDAN	1	0	0	1
SHERMAN	1	1	0	2
SPRING BROOK	0	0	0	0
STANTON	4	2	0	6
TAINTER	6	1	0	7
TIFFANY	4	0	0	4
WESTON	1	0	0	1
WILSON	3	0	0	3
<b>TOTAL</b>	<b>55</b>	<b>12</b>	<b>0</b>	<b>67</b>

**New house defined as:**

- stick built
- manufactured (modular)

**New mobile home defined as:**

- manufactured (single wide chassis)

**Duplex defined as:**

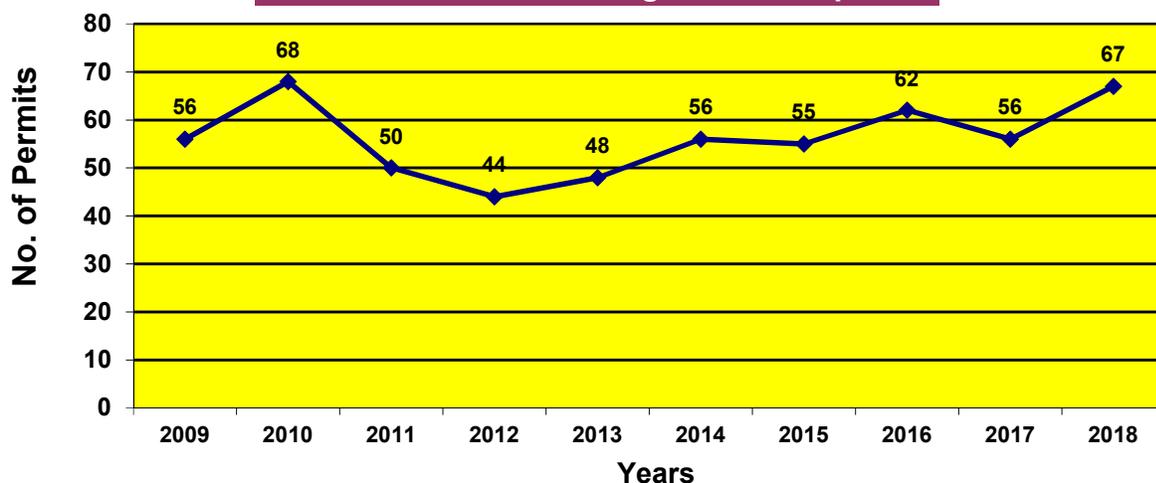
- two units in one building

A comparison of the number of housing starts (per township) over the last ten years is shown on **Table B**, with a chart depicting the total housing starts in Dunn County over the past ten years shown on **Graphic C**.

**LAST 10 YEARS OF HOUSING STARTS**  
**Table B**

TOWNSHIP	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	TOTALS
COLFAX	9	5	6	3	9	5	6	4	7	9	58
DUNN	8	3	3	4	4	1	1	1	4	2	29
EAU GALLE	0	0	0	1	0	0	1	0	2	5	12
ELK MOUND	0	0	0	0	0	1	0	0	5	6	17
GRANT	2	2	3	2	3	1	0	2	1	1	17
HAY RIVER	3	3	3	2	2	3	1	4	1	1	23
LUCAS	2	3	2	0	1	1	0	3	2	1	16
MENOMONIE	9	5	8	5	5	8	7	7	7	4	63
NEW HAVEN	0	0	0	0	1	1	0	0	2	0	7
OTTER CREEK	2	4	2	3	1	2	0	2	2	0	18
PERU	1	0	0	1	1	0	0	1	1	1	6
RED CEDAR	7	8	11	7	10	7	3	8	5	12	81
ROCK CREEK	0	0	0	1	7	0	0	0	0	1	15
SAND CREEK	0	0	1	0	0	0	1	0	0	1	6
SHERIDAN	1	1	3	1	3	4	1	2	4	0	23
SHERMAN	2	5	5	6	1	1	5	2	6	1	34
SPRING BROOK	0	1	1	1	1	0	0	1	6	5	24
STANTON	6	3	4	3	1	0	0	0	1	1	13
TAINTER	7	6	2	8	4	6	13	10	6	3	63
TIFFANY	4	3	0	3	1	2	0	1	4	1	16
WESTON	1	1	4	1	0	5	4	1	0	1	19
WILSON	3	3	4	3	1	0	1	1	2	0	18
<b>TOTALS</b>	<b>67</b>	<b>56</b>	<b>62</b>	<b>55</b>	<b>56</b>	<b>48</b>	<b>44</b>	<b>50</b>	<b>68</b>	<b>56</b>	<b>578</b>

**Last Ten Years of Housing Starts -Graphic C**



## PRIVATE ON-SITE WASTEWATER TREATMENT SYSTEM (POWTS)

In 2018 182 POWTS were installed and inspected in Dunn County including systems installed in the City of Menomonie and villages.

**GRAPHIC D** shows the POWTS installed for the last ten years.

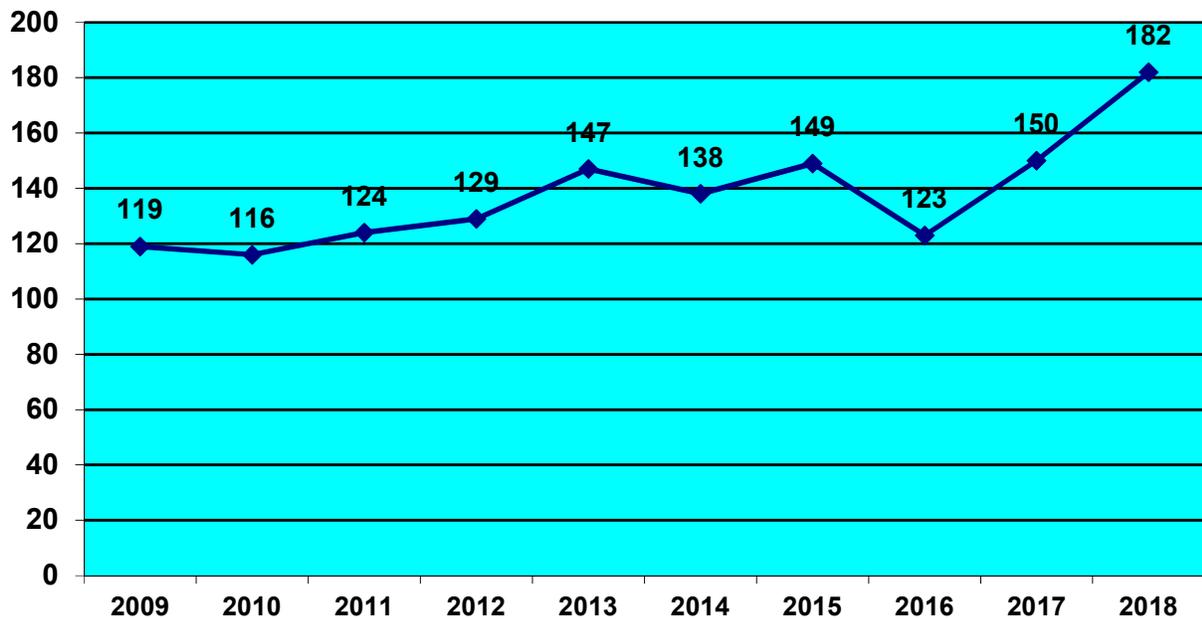
**TABLE E** shows POWTS by township, and type of Installation.



Installation of an at-grade drain field system.

Graphic D

### Last Ten Years of POWTS Installations



**TABLE E PRIVATE ON-SITE WASTE DISPOSAL SYSTEMS (POWTS)**

	NEW SYSTEM	REPAIR RE-CONNECT REPLACEMENT	TOTAL 2018	TOTAL 2017	TOTAL 2016	TOTAL 2015	TOTAL 2014	TOTAL 2013	TOTAL 2012	TOTAL 2011	TOTAL 2010	TOTAL 2009	TOTAL 2008
COLFAX	4	7	11		8	6	12	6	7	6	10	10	7
DUNN	6	4	10		7	9	4	5	7	4	10	3	9
EAU GALLE	2	3	5		2	3	6	7	4	4	6	7	4
ELK MOUND	5	6	11		7	16	4	12	9	9	10	9	8
GRANT	2	2	4		6	5	3	4	0	3	2	4	2
HAY RIVER	5	2	7		3	2	4	4	4	4	2	2	3
LUCAS	2	3	5		3	3	2	3	1	3	2	2	5
MENOMONIE	5	18	23		12	14	16	17	13	13	11	11	14
NEW HAVEN	1	0	1		0	3	3	2	3	2	5	1	3
OTTER CREEK	1	4	5		3	3	2	6	3	3	3	1	5
PERU	2	0	2		1	3	3	1	2	1	1	3	2
RED CEDAR	7	7	14		15	15	14	18	14	16	9	15	15
ROCK CREEK	6	3	9		5	3	14	6	6	8	1	3	13
SAND CREEK	1	1	2		3	1	2	2	1	1	1	3	5
SHERIDAN	2	0	2		7	2	3	6	2	4	4	4	6
SHERMAN	2	2	4		4	4	3	6	7	5	7	3	8
SPRING BROOK	4	12	16		10	18	16	7	9	7	9	12	15
STANTON	4	2	6		5	2	2	1	1	3	2	2	4
TAINTER	9	12	21		11	18	12	12	25	16	11	13	15
TIFFANY	2	3	5		1	7	2	4	1	2	5	3	3
WESTON	1	2	3		3	3	3	10	6	3	0	1	7
WILSON	1	2	3		3	3	1	1	0	4	2	2	4
VILL OF COLFAX	0	0	0		0	0	0	0	1	1	0	1	0
VILL OF BOYCEVILLE	2	0	2		0	1	0	0	0	0	0	2	0
VILL OF ELK MOUND	0	0	0		0	0	0	0	0	0	0	0	0
VILL OF DOWNING	1	0	1		0	0	0	0	0	0	1	0	1
VILL OF RIDGELAND	0	0	0		0	0	0	0	0	0	0	0	0
VILL OF KNAPP	1	0	1		1	0	0	0	0	0	0	0	0
VILL OF WHEELER	0	0	0		0	0	0	1	0	0	0	1	0
CITY OF MEN.	8	1	9		3	5	7	6	3	2	2	1	2
<b>TOTALS</b>			<b>182</b>	<b>150</b>	<b>123</b>	<b>149</b>	<b>138</b>	<b>147</b>	<b>129</b>	<b>124</b>	<b>116</b>	<b>119</b>	<b>160</b>

## **WISCONSIN FUND**

The Wisconsin Fund is a product of the 1978 State Legislation which provides financial assistance to qualified home owners experiencing a failing septic system. Dunn County has been a participant in the program since April 18, 1990. In 2018 we worked with two homeowners who received a total of \$10,325 in grant assistance.

## **BOARD OF ADJUSTMENT**

BOA is a quasi-judicial body appointed by the County Board Chair. The 2018 appointments:

Mark Dietsche, Chair	Jill Noreen	
Lisa Bragg-Hurlburt	Crystal Halvorson	Larry Glynn, Alternate
Tim Lienau, Vice Chair		Patrick McCoy, Alternate

The primary role of the BOA is to review and decide cases where there is an alleged error in a zoning decision or where a relaxation of the ordinance is sought. Zoning board may be authorized to participate in three types of decision-making to include administrative appeal (a legally contested order or decision of the zoning official usually associated with a contested map or text interpretation); variance (a relaxation of a dimensional or use standard specified in the zoning ordinance); special exception/conditional use (a use or dimensional exception listed in the zoning ordinance that is not permitted by right but may be granted if certain conditions are met.)

The Board of Adjustment convened 15 times in 2018 and rendered decisions on 15 requests.

## **SURVEYS**

Zoning collaborates with the Survey Division on survey map review. Zoning is involved to make sure that zoning standards such as, minimum lot size and access are met. With the adoption of the new zoning ordinance we also review lots, in the General Agriculture District, for compliance with the County's density requirement. Finally, we review for compliance with shoreland-wetland and floodplain requirements.

## **REZONES**

There were 10 rezone requests in 2018 and 10 recommendations of approval for rezones forwarded from the PR&D Committee for action by the County Board.

## **UNIFORM DWELLING CODE**

The State Uniform Dwelling Code (UDC) went into effect on June 1, 1980. Each township administers the Uniform Dwelling Code (UDC) and has contracted with a UDC inspector or allows the State to provide the town with an independent inspector. The Zoning Office assists homeowners with the name, address, and telephone numbers of the inspectors.

## **2018 ZONING GOALS**

- Maintain the Zoning Ordinance through amendments
- Assist with the rewrite and adoption of the Subdivision Ordinance
- Update/ maintain the Sanitary (POWTS) data base to include all existing systems.

## **PLANNING**

This report briefly describes past performance and places a strong emphasis on the Planning Division's goals. The Planning Division is charged provide the planning, organizing, directing, and supervision of planning activities at three levels:

- **Internal to the Department** in that the Division shall assist the department in planning for efficient effective operations

- **Internal to the County** is a strategic coordinated planning effort between the Planning part of the Division and other Departments/Divisions and Standing Committees. This area of planning strives to move the County in a positive direction and includes activities such as; plan development, updates and amendments, facilitating meetings/events, etc.
- **External to the County** in that the Division is the responsible party for providing planning services when appropriate and/or assigned.

## 2018 PLANNING GOALS

### Internal to the Department

- **Remain a contributing member of the Self Directed Management Team**

### Internal to the County

- **Continue implementation of the Comprehensive Land Use Plan** Implementation is labor and time intensive, while it is impossible for an individual Department/Division to be responsible for implementing the plan it is possible for a single Department/Division to be responsible to coordinate and facilitate implementation efforts. The Planning Division will continue the Implementation process by following the prioritized Short and Long Term Timelines.
- **Maintain the Farmland Preservation Plan** which was updated and approved by DATCP in, 2016. The plan identifies land which should/could be preserved under the new farmland preservation zoning classifications (Intensive Agriculture and Primary Agriculture) thereby making those land owners eligible to receive tax credits. Currently three Townships (Grant, Lucas and Wilson) are zoned Exclusive Agriculture (IA or PA).
- **Rewrite/adopt the Sustainability Action Plan** the plan has been shelved because of Special Projects. The plan will be reviewed, amended or rewritten as necessary to make it ready for adoption/implementation.
- **Update the Outdoor Recreation Plan (ORP)** The ORP contains five, one year Improvements schedules. Improvements are either capital improvements, projects to be completed by county staff or are projects which are coordinated and implemented by a County partner. While the ORP is scheduled to be modified on a five-year cycle, modifications to the plan can be made at any time. The Dunn County Facility's Department and the Planning Division conduct an annual review of the ORP each November for the purpose of updating schedule for the following year.
- **Amend the Library Plan**  
Each year the Library Plan is amended to keep it current.

### **External to the County**

- **City/Town Joint Planning Committee**  
Continue to a contributing resource to the members of the committee. The committee is comprised of those units of government which are adjacent to the City of Menomonie. The committee addresses issues common to those units of government in and around the City of Menomonie.
- **Mayor's Sustainability Group**  
Continue to a contributing resource to the group. The group consists of the City, County, UW Stout, Sustainable Dunn and a variety of guest speakers that meet every other month to discuss sustainability projects, successes and plans.

## PROJECTS

- **Broadband**  
The Broadband Team (Dunn County Economic Development Corporation, UW-Extension & Planning Division) conducted a user survey where recipients were asked to provide their name, address, email address and indicate whether or not they have broadband service.

Through this effort we identified 2,299 addresses in the Donut without broadband service. It is important to note that every address is not a household or business. For those agreed we shared their contact information and broadband status with local Internet Service Providers (ISP).

The Broadband webpage was launched around July. The webpage has links to the Broadband Study, Broadband Resources, the Broadband Team, Broadband Expansion Grants, Broadband Assistance and Contacts including local ISP's.

- **Outdoor Recreation Plan (ORP)**

The 2016-2020 ORP was adopted on January 18, 2017. The plan has a five-year schedule of improvements/tasks, on February 2018 the Facilities committee approved updates to the schedule to reflect tasks that were completed, moved ahead one year or are scheduled for the next year (2019).

- **Dunn County Recreation Park Master Plan**

Early 2018 (March) The Planning Division began working with the Facilities Committee on a Dunn County Recreation Park Master Plan. The Master Plan process includes meetings with stakeholders, spatial analysis, needs assessment, concept plans and preliminary cost estimates. The plan includes two options; stay at the existing location or sell the Recreation Park land and relocate the park outside of the City of Menomonie. The committee did not make a decision on which option to pursue in 2018 but in July of 2019 decided to keep the Recreation Park at its current location. The master Plan will be completed in 2019.

- **Bicycle and Pedestrian Plan**

Two open houses were held the first in December 2017 gathered input and the second open house was held in November 2018 to review and comment on plan recommendations. In addition, two regional meetings were held to gather input and discuss integrating local plans into a regional approach. The plan is expected to be completed and ready for adoption in 2019.

# DUNN COUNTY SOLID WASTE & RECYCLING DIVISION

## 2018 ANNUAL REPORT

### Dunn County Solid Waste & Recycling Management Board

The Solid Waste & Recycling Management Board was created in 1992 by the Dunn County Board of Supervisors, and consists of a diverse group of individuals with a wide array of expertise and a history of successful public service in Dunn County. The board performs a valuable, active management role for the Solid Waste and Recycling Division's activities and programs, and continues to provide effective waste management and recycling oversight in support of the residents and officials of participating municipalities, local industries and businesses, solid waste and recycling haulers, and the general public throughout Dunn County.

**Board Members:** Terry Stamm, Village of Elk Mound; Steve Rasmussen, Town of Hay River; Chuck Maves, County Supervisor District 9; Ed Hartung, Town of Menomonie; Gary Bjork, Board Chair, County Supervisor District 7; Dale Harschlip, Board Vice Chair, County Supervisor District 27; Sally Rasmussen, Town of Dunn; Zenon Smolarek, U.W. Stout; Ryland Erdman, City of Menomonie.



### Solid Waste & Recycling Division Staff

Amanda Haffele, Recycling Specialist; Michael Larson, Resource Recovery Specialist; Morgan Gerk, Director; Diane Duerst, Support Specialist.

## 2018 Solid Waste & Recycling Highlights

### Increased Growth, Participation, and Enhanced Environmental Stewardship

2018 was a very busy and successful year of operations for the Solid Waste & Recycling Division. We continued a very positive trend of exceeding forecasted recycling tonnage goals, while continuing to reduce landfill tonnage through concentrated efforts of resource diversion at the Dunn County Transfer Station and Recycling Center, and the Boyceville, Colfax, Connorsville, Downsville, Elk Mound, Ridgeland, Rock Creek, and Sand Creek Collection Sites. The Division partnered with many additional businesses and industries throughout Dunn County and surrounding counties to assist them with their recycling and waste management needs in support of improved environmental stewardship and waste reduction initiatives. These positive partnerships not only enhance sustainability for all in Dunn County, but also serve the Division by increasing the available recycling resources that the Division processes for sale to domestic and international recycling markets. The

Dunn County Solid Waste & Recycling Division is one of only a very small handful of recyclers that processes large quantities of various grades of Mixed Rigid Plastics (MRP), which represent a significant portion of the plastic wastes generated in our everyday lives. Mixed Rigid Plastics consist of common items such as plastic laundry baskets, totes, shelves, buckets, lawn furniture, play toys, and many other hard plastic products. The Division processed and shipped 236,160 pounds of Mixed Rigid Plastics in 2018, eliminating these wastes from landfills, and ensuring that they are recycled into new products.



### **Mixed Rigid Plastics**

Completed bales of Mixed Rigid Plastics ready to ship at the Dunn County Transfer Station. Known as “MRP” in the plastics recycling industry, these materials make up a large portion of the waste plastics generated in our everyday lives. By recycling these common plastics, we improve sustainability and environmental stewardship in Dunn County and throughout the State of Wisconsin, while reducing landfill wastes and preserving our natural resources.

### **The Power of Diversion**

The Dunn County Transfer Station and Recycling Center is the principal transfer hub for municipal and industrial solid waste in Dunn County. Despite the excellent recycling participation rates in the county, common recyclables and non-landfill wastes are frequently discovered mixed with trash when tipped at the Transfer Station and must be removed for proper recycling or disposal. Removal of these items is known as “Diversion”. In 2018, Transfer Station staff continued to increase diversion efforts and succeeded in capturing large quantities of recyclable materials, including scrap metals and other common recyclable items, as well as substantial amounts of non-landfill, hazardous materials such as electronics, batteries, lamps and ballasts, chemicals and paints, compressed and pressurized tanks and cylinders, live ammunition, used sharps, etc. These efforts not only reduce the overall volume of landfill wastes that are shipped at a considerable cost, but they also improve workplace safety by reducing or eliminating exposure hazards, and ensuring that all materials are processed according to local, state, and federal regulations.



## **2018 Clean Sweep Hazardous Waste Collection Event**

The 2018 Clean Sweep Hazardous Waste Collection Event was held on Wednesday, May 2<sup>nd</sup> at the Colfax Fairgrounds in Colfax, WI, and on Thursday, May 3<sup>rd</sup> at the Dunn County Transfer Station & Recycling Center. A total of 210 participants utilized the two-day event to responsibly dispose of their hazardous wastes, including 200 rural and urban households, 3 active farmsteads, and 7 businesses. A participation survey conducted at the event revealed that 111 of the overall participants were repeat customers, and all participants conveyed their appreciation for this valuable service. Materials collected during the event included 1,898 pounds of pesticides, herbicides, poisons, and fertilizers; 7,584 pounds of lead-based and oil-based paints; 1,473 pounds of caustic and corrosive chemicals; 154 pounds of solvents and thinners; 837 pounds of aerosols; 9 pounds of liquid mercury; 2,321 pounds of compressed gas cylinders and pressurized tanks; and 3,159 pounds of liquid latex paints. Various quantities of other common hazardous or universal wastes were also collected including used oil, used antifreeze, used sharps, spent fuels, lamps and ballasts, batteries, live ammunition, etc. The total cost of the 2018 Clean Sweep Hazardous Waste Collection Event was \$19,105.



## Replacement Equipment and Machinery: Loader, Skidsteer, and Compactors

In early 2018, after enduring an extended 2-year period of accelerating corrective maintenance issues, the 10 hydraulic solid waste compactors and receiver boxes at the Dunn County Collection Sites were in need of replacement. After completing the bidding proposal process with multiple vendors, JWR Inc. of Johnson Creek, WI was awarded a contract for 10 Sebright compactors and 11 new receiver boxes, for a total cost of \$231,084. After installing the machines in March of 2018 and operating them throughout the year, the compactors exceeded performance expectations and resulted in a reduction of \$21,000 in annual hauling costs due to their ability to densify wastes beyond what was possible with the previous machines.



Also in 2018, as a response to the continuing trends for increased throughput of solid waste tonnage being processed at the Dunn County Transfer Station, the decision was made to upgrade the Transfer Station loader, switching from a Caterpillar 914K to a much larger and more powerful Caterpillar 926M. The advantages of the bigger machine soon proved invaluable, and despite its larger footprint, the new loader performed extremely well for the operators. A Bobcat S650 skidsteer was also purchased to relieve the loader of recycling duties so that it could be utilized exclusively for processing solid waste. In addition to filling a much needed equipment role for continuously feeding the baler with recyclable commodities using a hydraulic grapple attachment, the skidsteer also provides excellent housekeeping functions and is a vital tool for sweeping the facility daily utilizing a hydraulic collection broom attachment. The total cost for the new loader, including a \$70,000 trade value for the 914K, was \$114,300. The total cost for the skidsteer was \$45,465.



## **Agricultural Plastic Film Recycling Continues in Dunn County**

In late 2016, the Dunn County Solid Waste & Recycling Division partnered with Revolution Plastics of Little Rock, AR to begin capturing and recycling the massive volumes of used agricultural film materials that are prevalent on Wisconsin farms. Commonly used for silage bags and other agricultural uses, these films are constructed of readily recyclable LDPE plastic, and through a proprietary wash and manufacturing process, Revolution Plastics is able to recycle these materials into clean, post-consumer resins for new products. By mid-summer 2018, the collection program in Wisconsin and Minnesota had captured over 50,000,000 pounds of agricultural films for recycling! A total of 44,900 pounds of agricultural films were collected at the Boyceville and Colfax Collection Sites, and the Dunn County Transfer Station and Recycling Center in 2018.



## **Deer Carcass Disposal and the CWD Dilemma**

Each year in Dunn County, the Solid Waste & Recycling Division provides a safe and efficient disposal service for deer and other animal carcasses harvested during the fall and winter hunting seasons. In late 2018, the Wisconsin Department of Natural Resources began to implement restrictions on the transportation of deer carcasses across county lines in Wisconsin in an effort to control the spread of CWD (Chronic Wasting Disease). Due to these restrictions, and a concern for current scientific studies that showed the capacity of the CWD protein to remain viable through aggressive leachate and wastewater treatment processes, local landfills stopped accepting deer remains as a precaution. After several meetings with WDNR staff and other solid waste processors in the state, the Dunn County Solid Waste & Recycling Division and the Barron County Waste to Energy



and Recycling Facility agreed to an approved plan for the incineration of all deer carcasses captured through the Dunn County collection program. By the end of the 2018 hunting season, 50,320 pounds of deer carcasses were collected and incinerated in a controlled, WDNR approved process at the Barron County facility. This Dunn County/Barron County partnership was highly regarded as a creative and viable solution to the ongoing CWD problem in Wisconsin by providing controlled collection and the complete destruction of deer carcasses and any potential CWD proteins associated with these materials.

## **Yard Waste Composting Program and State Licensure**

The Boyceville, Colfax, and Elk Mound Collection Sites in Dunn County provide free yard waste services to all residents of municipalities that participate in our Solid Waste and/or Recycling Programs. Due to the high volumes of yard waste that were being received annually at these locations, a requirement to compost these materials was mandated by the WDNR in 2018 to ensure that yard wastes were being properly managed using best management practices and industry standards. The Solid Waste & Recycling Division applied for state licensure to compost yard wastes in early 2018, and achieved licensure for composting at the Boyceville and Colfax locations. The Elk Mound location could not be engineered to provide adequate processing space for the yard wastes due to its confined parcel, but a new program was put in place to transport yard waste materials from the Elk Mound site to the industrial composting operation at the Seven Mile Creek Landfill in Eau Claire, WI. This would allow for the continued acceptance of yard wastes at the Elk Mound site without exceeding regulatory limits for accumulated materials. Mulch and finished compost generated at these facilities is free to take for any resident of a municipality that participates in our programs.



## **2018 Recycling Market Challenges and the Benefits of Diversification**

2018 proved to be an extremely challenging year for the Division from a recycling marketing standpoint, as a large portion of the Solid Waste & Recycling Division's annual budget is derived from the sales of recyclables processed at the Dunn County Transfer Station. Recyclable commodity pricing continued to freefall throughout 2018 as a result of the ongoing trade disputes with China, and the glut of materials readily available to an already saturated recycling industry. Despite continuing positive trends from the Division in recycling production tonnage exceedances, revenues from the sales of recyclables were anemic would not improve through the end of the year. Domestic sources of traditional recyclables like cardboard and paper were impacted most due to their commonality and excess availability, while there was some positive or at least sideways marketability in non-traditional recycling commodity pricing for those willing to diversify and add these materials to their recycling programs. Among all Wisconsin counties, Dunn County is leading the way in collecting and processing a variety of non-traditional, post-industrial recyclables that have helped to increase recycling tonnage in the county and improve the environmental stewardship aspects of our local industries and farms. Some of the post-industrial and post-agricultural recyclables processed by the

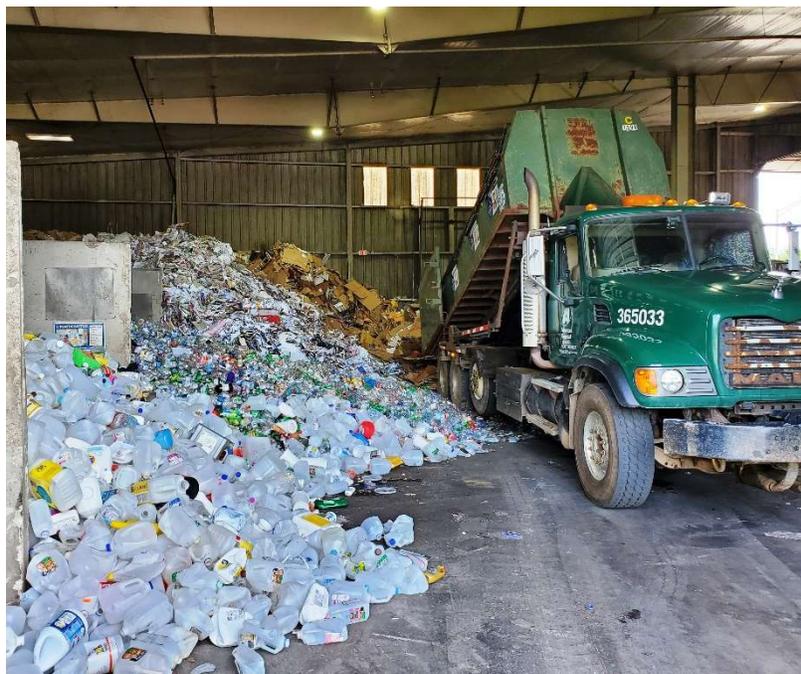
Division include high-density polyethylene jugs and drums, woven polypropylene super sacks and grain sacks, and corrugated polypropylene sheets that are produced at local Dunn County industries and businesses. By diversifying our processing operations and reaching available markets for these valuable materials in 2018, we amplified our overall revenue potential and environmental stewardship goals through these mutually beneficial partnerships. We look forward to continuing this aspect of our operations beyond 2018 and into the future.



## **Planning for the Future**

The Dunn County Solid Waste & Recycling Division facilitates one of the most comprehensive waste and recycling programs in the State of Wisconsin. A current total of 26 member municipalities in Dunn County partake in these services through intergovernmental agreements that help support our programs and services through per capita contributions from each municipality. These include the City of Menomonie; the Towns of Dunn, Elk Mound, Red Cedar, Rock Creek, Sherman, Grant, Lucas, Menomonie, Peru, Weston, Colfax, New Haven, Otter Creek, Sheridan, Spring Brook, Tainter, Tiffany, Wilson, and Sand Creek; and the Villages of Boyceville, Colfax, Downing, Elk Mound, Ridgeland, and Wheeler. The Dunn County Transfer Station and Recycling Center, and most of the 8 county collection sites have operated as well established fixtures in the community for the past 2-1/2 decades, and much of this infrastructure is in need of replacement and expansion. The Transfer

Station itself is experiencing a daily throughput of municipal solid waste and recycling that is five-times the intended design capacity of the building. Throughout 2018, multiple meetings were conducted between the Solid Waste & Recycling Management Board and Division staff, and officials from our hauler and service groups to serve as “Vision Planning” sessions aimed at determining the efficacy of constructing a new transfer Station and Recycling Center in Dunn County to replace the aging facility on Highway 29 in Menomonie. These sessions helped to solidify the overall commitment to perpetuating the services of the Solid Waste & Recycling Division and its programs into the future. Further discussions, including consultantship for detailed feasibility and cost analysis studies are planned for the coming year, and will be crucial in formulating a successful path forward regarding any proposed new construction.



# Dunn County Solid Waste & Recycling

## RECYCLING COMMODITY LIST

### Plastics

#1 PETE Bottles & Jars  
#2 HDPE PIG  
#2 HDPE Naturals  
#2 HDPE Z-Bale  
#2 HMW Drums  
#2 HMW Jugs  
#3 PVC Siding  
#4 LDPE Film & Bags  
#4 LDPE Lids  
#5 PP Containers & Tubs  
#5 PP Woven Sacks  
#5 Coroplast  
#5 PP Super Sacks  
#5 PP Pails  
Mixed Rigid Plastics

### Metals

Unprepared Steel Shred  
Aluminum Breakage  
Sheet Aluminum  
Extruded Aluminum  
Cast Aluminum  
Cast Aluminum Rims  
UBC Aluminum Cans  
Aluminum Foil/Aerosols  
Zinc Diecast  
MLC Heavy Aluminum  
Steel Cans  
#2 Copper Pipe, Sheet, Wire  
#1 Insulated Copper Wire  
#2 Insulated Copper Wire  
Holiday Lights  
Aluminum Insulated ACSR  
Wire  
Clean Mixed Brass  
Brass Shells  
Brass Breakage  
Non-Magnetic Stainless Steel  
Molybdenum Stove Elements  
Ni-Chrome Wire Elements  
Lead-Acid Batteries  
Lead  
Magnesium Frames  
Non-PCB Ballasts  
Compressed Gas Cylinders  
Pressurized Tanks

Copper Electric Motors  
Copper Electric Transformers  
Aluminum Electric  
Transformers  
Aluminum Radiators  
Brass Radiators

### Electronics

CRT TV's & Monitors  
LCD TV's & Monitors  
Computer Towers  
Laptops  
Cell Phones  
Tablets  
Digital Cameras  
Miscellaneous Electronics  
Smoke/CO<sub>2</sub> Detectors  
Low Grade Circuitry  
High Grade Circuitry  
High Grade Motherboards  
Gold Memory  
Silver Memory  
Fiber Processors  
Ceramic Processors  
Slot Processors  
Ribbon Cables  
Ink Jet Cartridges  
Toner Cartridges  
Aluminum Heat Sinks  
Aluminum-Copper Heat Sinks  
Hard Drives  
CD/DVD/Disk Drives  
Power Supply with Wire  
Keyboard Silver Mylars  
Silver IC Chips  
High Grade Slot Cards  
Computer Fans  
LED Lamps  
PCB Ballasts  
Solar Panels

### Yard Waste

Wood, Leaves, Clippings,  
Mulch, Garden Wastes,  
Compost

### Batteries

Alkaline Batteries  
Nickel-Cadmium Tool  
Batteries  
Nickel-Cadmium  
Miscellaneous  
Lithium-Ion Tool Batteries  
Lithium-Ion Laptop Batteries  
Lithium-Ion Cell Phone  
Batteries  
Lithium-Ion Miscellaneous  
Lithium-Ion Medical Batteries  
Lithium Coin Cell Batteries  
Nickel-Metal Hydride Tool  
Batteries  
Nickel-Metal Hydride  
Miscellaneous  
Carbon-Zinc Batteries  
Zinc-Air Button Batteries

### Lamps & Tubes

CFL's  
High Pressure Sodium  
Mercury Vapor  
Metal Halide  
Fluorescent Lamps  
UV Lamps  
Incandescent & Halogen  
Neon Tubes  
Neon Signs

### Fiber

Cardboard  
Paper  
Carrier Stock  
Fiber Cores

### Fluids

Used Oil  
Used Antifreeze  
Used Oil Filters  
Mercury Thermostats,  
Thermometers, Pressure  
Switches

# DUNN COUNTY SOLID WASTE & RECYCLING DIVISION

## 2018 ANNUAL SOLID WASTE AND RECYCLING COMMODITY REPORT

COMMODITY	TOTAL TONS SHIPPED	REVENUE	HAULING EXPENDITURES
Transfer Station - Tipping Fee & Fee Item Revenue	22,460	\$1,383,993	\$1,063,807
Compactor Solid Waste	2,106	\$0	\$134,263
Demo Boxes from Collection Sites & Ridgeland Trash	493	\$101,060	\$51,724
<b>Total Solid Waste</b>	<b>25,059</b>	<b>\$1,485,053</b>	<b>\$1,249,794</b>

COMMODITY	TOTAL TONS SOLD	REVENUE	EXPENDITURES
Fiber	1,474.33	\$109,082.35	\$0.00
Ferrous Metals	532.71	\$68,825.51	\$0.00
Non-Ferrous Metals	126.63	\$67,575.58	\$0.00
Plastics	347.27	\$66,608.58	\$0.00
Glass	469.83	\$13,213.42	\$0.00
<b>Total Recyclables Sold</b>	<b>2,950.77</b>	<b>\$325,305.44</b>	<b>\$0.00</b>

COMMODITY	TOTAL TONS or OTHER	REVENUE	EXPENDITURES
Electronics	86.96 Tons	\$37,748.00	\$26,031.00
Bulbs/PCB Ballasts	21,390 Bulbs and 195 lbs of Broken Bulbs	\$7,111.00	\$5,779.00
Tires	193.63 Tons	\$43,032.45	\$41,720.17
Clean Sweep Hazardous Waste (Grant revenue of \$16,235 & levy of \$8,000)	9.5 Tons	\$24,235.00	\$19,105.00
Lead Acid Batteries	10.25 Tons	\$6,114.00	\$0.00
Latex Paint	1.58 Tons	\$1,321.00	\$1,169.83
Used Oil	11,460 Gallons	\$424.00	\$130.00
Used Oil Filters	22.32 Barrels	N/A	\$1,421.00
Used Antifreeze	545 Gallons	N/A	\$259.00
Leachate/Septage	23,001 Gallons	N/A	\$1,310.00
<b>Total Other Items</b>		<b>\$119,985.45</b>	<b>\$96,925.00</b>



# SURVEY DIVISION

## 2018 SURVEY DIVISION STAFF

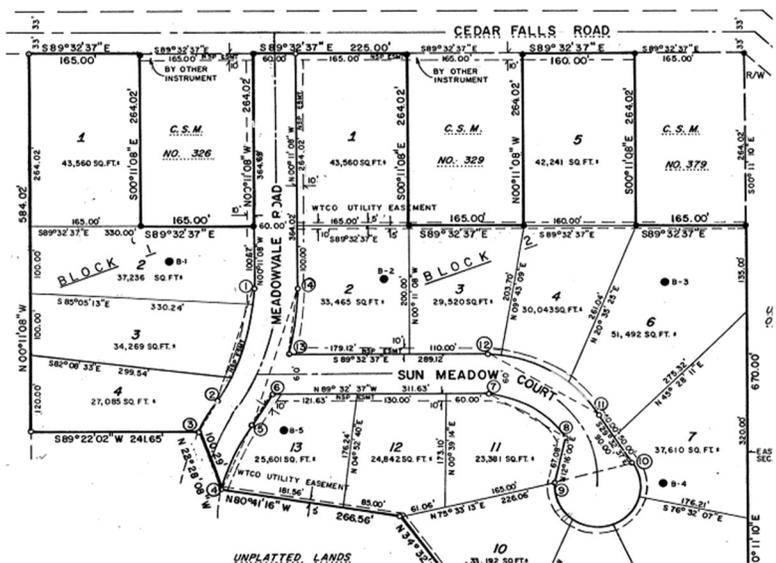
Tom Carlson .....County Surveyor  
 Gregg Batzer.....Professional Land Surveyor  
 Troy Stowell .....Survey Technician



**Troy Stowell, Tom Carlson & Gregg Batzer**  
 (Red bricks set by Dan Waite, County Surveyor in October 1903)

## Regulated Land Developments

The Survey Division reviews all land developments submitted to Dunn County for compliance with applicable state statutes, administrative codes and ordinances. Examples of land developments which are reviewed by the Survey Division include state and county subdivision plats, certified survey maps and condominium plats. In 2018 the Survey Division reviewed 80 certified survey maps which created a total of 111 lots. Land development fees collected in 2018 and forwarded to the Dunn County general fund totaled \$15,280. Exhibits B and C following this report highlight statistical trends for land divisions during the past 5 years.



## Dunn County Public Works Department – Highway Division Projects

In 2018 the Survey Division completed survey work as directed by the Public Works Department–Highway Division. This resulted in a cost savings for the Public Works Department and provided a revenue source for the Survey Division totaling approximately \$10,400. The Survey Division assisted with the following projects in 2018:

- **C.T.H. “E”** (*Town of Spring Brook*)  
A portion of the roadway which was prone to seasonal “heaving” was located.
- **C.T.H. “P”** (*Town of Eau Galle*)  
Existing right-of-way monuments set on prior surveys of record were located and measured prior to road construction. Centerline points and offsets were computed and staked for curb and gutter along a steep grade near the Pierce County line.
- **C.T.H. “F”** (*Towns of Menomonie & Sherman*)  
Existing right-of-way monuments set on prior surveys of record were located and measured prior to road construction. Two property corners were re-set after the completion of construction.
- **C.T.H. “Q & X”** (*Town of New Haven*)  
Locations of existing right-of-way monuments set on prior surveys of record were researched and computed.
- **Box Culvert** (*Town of Tainter*)  
Existing right-of-way monuments set on prior surveys of record were located and measured prior to road construction.
- **Lake Eau Galle Park** (*Town of Eau Galle*)  
Existing property corners were located along a portion of the south line of the park.
- **Finder Gravel Pit** (*Town of Lucas*)  
A partial boundary survey was completed on the west line of the property to aid in the placement of a gate.

## Remonumentation of Original Government Corners

There are approximately 2,800 original government corners within Dunn County with numerous additional meander and witness corners. These corners were originally established by the United States Government Surveyors in the late 1840’s and 1850’s. These corners are part of the Public Land Survey System (PLSS) and form the basis for most land descriptions within Dunn County. The remonumentation work completed in 2018 resulted in visits to 206 unique PLSS corners, meander corners, witness corners, centers of section, 1/16<sup>th</sup> corners and government lot corners with 36 of the corners being requested by private land surveyors or landowners. Corners involving maintenance due to new road construction totaled 37. Of these 37 corners, 1 was carried over from 2017, 1 was carried over from 2016 and 3 were carried over from 2014. A total of 116 land corner record forms were drafted. Additionally, the remonumentation of Township 27 North, Range 14 West was completed in 2018. This project, which had been ongoing for several years, resulted in the remonumentation of 133 corner positions.



*Old Buggy Axle-Town of Weston*



*Survey Stone set in 1937-Town of Dunn*

## **Remonumentation Request Program**

This program allows either an individual landowner or a public entity to make a formal request of the County Surveyor's Office for the re-establishment of original government corners required for a particular survey. The program is divided between public and private requests. Public requests originate from other government units such as the Dunn County Public Works Department – Highway Division, Wisconsin Department of Transportation, town boards, etc. Private requests are submitted by individual land owners typically through their contracted land surveyor in conjunction with a property survey. The Dunn County Surveyor's Office reviews each request and evaluates them on a priority basis. Once a request is completed, new monument record forms are prepared and filed and coordinates are provided to the requestor. In 2018 the Dunn County Surveyor's Office received six private remonumentation requests. Exhibit A illustrates the projected cost savings estimated by the requesting private surveyor for each project. The total project savings now totals \$449,950 over the last 23 years, with an average project savings of approximately \$2,300.



*Survey Stone set in 1880  
Town of Menomonie*



*Survey Stone set in 1894  
Town of Grant*

## Filing and Indexing of Survey Records

This is a duty of the County Surveyor as provided for in Wisconsin State Statute Chapter 59.45. Within 60 days after completing any survey, a land surveyor is required to file a true and correct copy of the survey in the office of the County Surveyor. The Survey Division, upon receiving a copy of a survey, properly indexes the survey and creates a scanned image of the document. All of Dunn County's land corner monument record forms are currently available on the County GIS website and the State Cartographer's website.



*Survey Section Files*



*Monument Record Forms*

## Goals and Objectives for 2019

The Survey Division has set a goal to complete the remonumentation of all the PLSS corners in Township 26 North, Range 14 West and to provide support and assistance to other county departments, while providing excellent customer service to the public.

Respectfully submitted,  
Tom Carlson  
Dunn County Surveyor

**EXHIBIT A**  
**Private Remonumentation Requests**

<b>YEAR</b>	<b>PROJECT SAVINGS</b>	<b># OF REQUESTS</b>
1996	\$29,950	17
1997	\$29,850	17
1998	\$42,300	15
1999	\$55,450	16
2000	\$33,500	12
2001	\$64,500	27
2002	\$28,600	9
2003	\$41,700	22
2004	\$13,000	7
2005	\$12,300	7
2006	\$6,700	3
2007	\$5,000	3
2008	\$1,000	1
2009	\$11,500	6
2010	\$15,400	5
2011	\$9,500	6
2012	\$0	0
2013	\$1,000	1
2014	\$5,500	2
2015	\$4,700	3
2016	\$6,500	2
2017	\$17,000	9
2018	\$15,000	6
<b>23 Year Total</b>	<b>\$449,950</b>	<b>196</b>

## EXHIBIT B

### Lots and Acreage by Certified Survey Maps and Plats in the last 5 Years

2018		
Township	Lots	Acres
Colfax	5	44.10
Dunn	7	54.22
Eau Galle	11	69.55
Elk Mound	5	33.39
Grant	5	22.68
Hay River	8	55.16
Lucas	4	15.13
Menomonie	14	82.75
New Haven	2	14.25
Otter Creek	4	67.36
Peru	3	15.88
Red Cedar	9	27.58
Rock Creek	0	0.00
Sand Creek	4	31.64
Sheridan	1	16.79
Sherman	3	30.40
Spring Brook	7	37.93
Stanton	6	60.21
Tainter	2	28.57
Tiffany	0	0.00
Weston	4	32.63
Wilson	7	31.61

2017		
Township	Lots	Acres
Colfax	1	7.25
Dunn	7	22.18
Eau Galle	2	7.53
Elk Mound	4	13.06
Grant	6	52.78
Hay River	14	125.21
Lucas	8	85.31
Menomonie	5	33.44
New Haven	1	1.00
Otter Creek	2	20.00
Peru	1	4.07
Red Cedar	10	67.95
Rock Creek	3	31.12
Sand Creek	0	0.00
Sheridan	2	12.10
Sherman	10	51.27
Spring Brook	16	87.87
Stanton	8	27.59
Tainter	5	29.37
Tiffany	1	4.02
Weston	3	17.73
Wilson	3	25.46

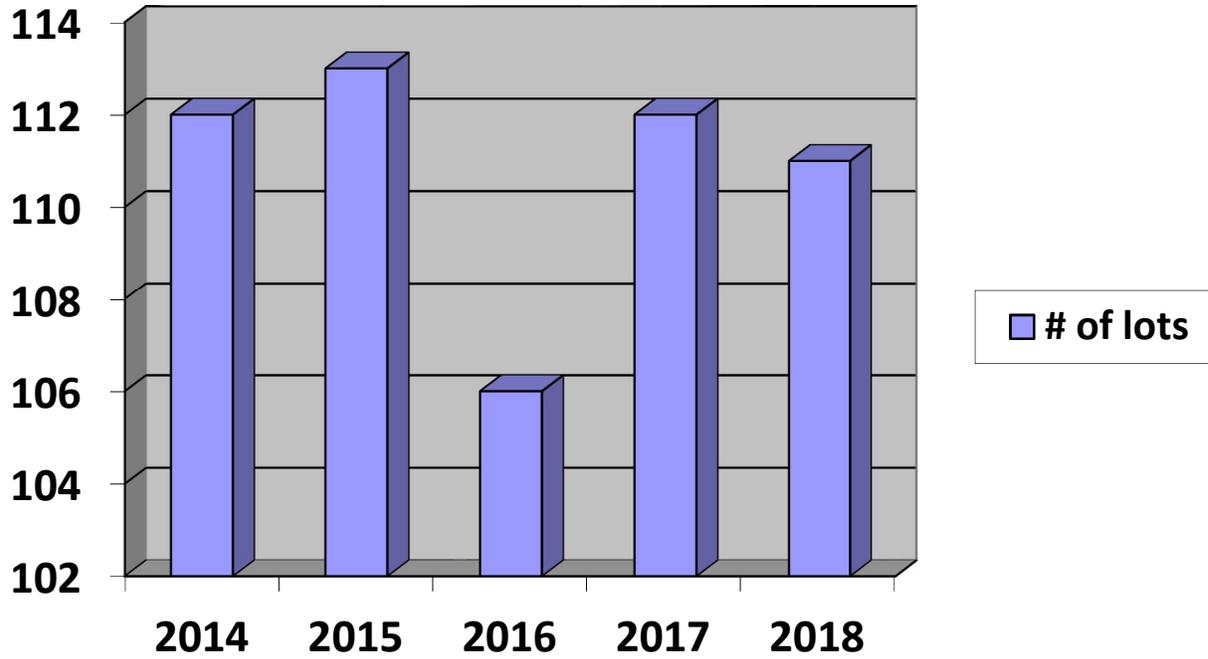
2016		
Township	Lots	Acres
Colfax	5	36.62
Dunn	11	172.57
Eau Galle	2	5.32
Elk Mound	3	17.50
Grant	1	18.61
Hay River	1	60.80
Lucas	4	51.08
Menomonie	16	137.63
New Haven	3	14.01
Otter Creek	4	39.75
Peru	0	0.00
Red Cedar	12	62.76
Rock Creek	2	5.14
Sand Creek	1	5.12
Sheridan	1	2.08
Sherman	9	69.58
Spring Brook	5	21.13
Stanton	5	51.89
Tainter	12	200.13
Tiffany	1	2.15
Weston	4	17.87
Wilson	3	11.01

2015		
Township	Lots	Acres
Colfax	6	33.78
Dunn	14	52.99
Eau Galle	2	2.48
Elk Mound	11	47.75
Grant	1	2.92
Hay River	5	31.90
Lucas	3	16.57
Menomonie	0	0.00
New Haven	7	39.27
Otter Creek	2	27.82
Peru	4	29.74
Red Cedar	5	24.50
Rock Creek	6	76.69
Sand Creek	3	26.63
Sheridan	1	11.39
Sherman	10	139.66
Spring Brook	13	91.82
Stanton	2	48.80
Tainter	12	34.13
Tiffany	1	1.01
Weston	1	1.03
Wilson	2	6.16

2014		
Township	Lots	Acres
Colfax	0	0.00
Dunn	8	59.08
Eau Galle	7	47.86
Elk Mound	4	40.11
Grant	1	5.00
Hay River	6	42.14
Lucas	1	2.76
Menomonie	10	52.89
New Haven	8	42.60
Otter Creek	0	0.00
Peru	0	0.00
Red Cedar	17	72.62
Rock Creek	8	68.10
Sand Creek	2	20.08
Sheridan	2	40.74
Sherman	0	0.00
Spring Brook	7	56.61
Stanton	6	54.10
Tainter	20	228.86
Tiffany	2	12.03
Weston	0	0.00
Wilson	3	13.83

## EXHIBIT C

### Lots Created by Certified Survey Maps and Plats in the last 5 years



## ENVIRONMENTAL SERVICES STAFF

### **Land and Water Conservation Division**

#### **Dan Prestebak, County Conservationist**

Amanda Hanson, Conservation Planner  
Chris Gaetzke, Conservation Planner  
Janell Newcomb, Support Specialist  
Lindsay Olson, Water Quality Specialist  
Robert Kaner, Conservation Engineering Technician  
Tina Barone, Conservation Planner  
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### **Planning & Land Use Control Division**

#### **Bob Colson, Planner & Zoning Administrator**

Addison Vang, Planner/ Zoning Enforcement Officer  
Janet Riedel, Zoning Specialist  
Michelle Siegl, Zoning Enforcement Officer/Planner  
Nancy Radke, Secretary I

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### **Solid Waste/Recycling Division**

#### **Morgan Gerk, Solid Waste Director**

Amanda Haffele, Recycling Specialist  
Diane Duerst, Support Specialist  
Mike Larson, Resource Recovery Specialist

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### **Survey Division**

#### **Thomas Carlson, County Surveyor**

Gregg Batzer, Professional Land Surveyor  
Troy Stowell, Survey Technician

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