

WALWORTH COUNTY



W I S C O N S I N

Walworth County
Land Use and Resource Management Department
2015 Annual Report

January, 2016

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COUNTY BOARD OF ADJUSTMENT

Citizen Members:

John Roth, Chair
Gregory E. Guidry, Vice Chairman (stepped down April, 2015)
Ann Seaver, Secretary
Elizabeth Sukala, First Alternate
Frank Jones, Second Alternate

COUNTY ZONING AGENCY

County Board Members:

Rick Stacey, Chairman (stepped down November, 2015)
David Weber, Vice Chairman
Rich Brandl
Paul Yvarra
Tim Brellenthin

Citizen Members:

Jim Van Dreser
Richard Kuhnke Sr.

COUNTY LAND CONSERVATION COMMITTEE

County Board Members:

Daniel Kilkenny, Chairman
Nancy Russell, Vice Chairman
Charlene Staples

Citizen Members:

Rosemary Badame

USDA/FSA Representative:

Matthew Polyock

Committee Appointments, 2014/2015



LAND USE AND RESOURCE MANAGEMENT DEPARTMENT

Director

Deputy Director

Our Mission: Promote the public health, safety, prosperity, aesthetics and the general welfare for the people and communities of Walworth County by guiding the physical development of the unincorporated areas of Walworth County through sound land use planning and conservation, implementation of fair and objective zoning, advancement of environmental protection and Administration of state standards for private on-site waste water treatment systems.

Planning Division	Zoning Division	Conservation Division	Sanitation Division
<ul style="list-style-type: none"> ● Assist in community planning ● Prepares County Comprehensive Plan (Smart Growth) ● Implement County Land Use Plan ● Implement the Natural Area and Critical Species Habitat Plan ● Review reports submitted by Southeastern Wisconsin Regional Planning Commission ● Review sewer service extensions & present to Land Conservation Committee ● Administer Wisconsin Farmland Preservation Program ● Implements Walworth County Agricultural Preservation Plan ● Responsible for rezoning and conditional use hearing process ● Update zoning maps for use by municipalities & the public ● Implement the County Subdivision Control Ordinance ● Land Division review 	<ul style="list-style-type: none"> ◆ Regulates & enforces Walworth County zoning ordinances <ul style="list-style-type: none"> - Issues zoning permits - Zoning inspections - Board of Adjustment hearings - Shoreland/floodplain protection - Zoning review of land division - Issues citations for violations and court appearances - Zoning review of telecommunications towers - Zoning review of renewable energy ◆ Reviews farm separations, lot line adjustments, parcel splits ◆ Reviews applications for campgrounds, salvage yards ◆ Reviews applications for variances, temporary use requests, appeals 	<ul style="list-style-type: none"> * Provides technical assistance to landowners, businesses and units of government to advance County conservation goals * Works in partnership with federal, state and local agencies to achieve conservation goals and compliance by: <ul style="list-style-type: none"> - Implementing practices to achieve sediment, nutrient & pollutant load reduction - Cost sharing assistance - Nutrient Management - Urban conservation goals * Farmland Preservation Plans assistance and compliance * Animal waste storage oversight * Erosion Control & stormwater activities oversight (permitting & inspections) * Non-metallic mining reclamation oversight * Aquatic Invasive Species Control & Prevention * Information & Education Activities 	<ul style="list-style-type: none"> ♣ Acts as an agent for the WI Department of Safety and Professional Services ♣ Enforces Walworth County Code of Ordinances, Wisconsin Administrative Code, Wisconsin State Statutes for designing, installing, inspecting and managing private sewage systems to assure safety to the public & waters of the state <ul style="list-style-type: none"> - Issuing sanitary permits - Inspecting private sewage systems - Review/conduct soil on-sites to determine site suitability for private sewage systems - Investigate complaints - Issue orders to correct failing private sewage systems - Oversees maintenance program for private sewage systems - WI Fund Program liaison

LURM PROJECTS SCHEDULED FOR 2016 INCLUDE:

- Continue Implementation of the Walworth County Land and Water Resource Management Plan under the guidance of the Walworth County Land Conservation Committee.
- Implementation of the Farmland Preservation Plan and Comprehensive Land Use Plan(s) under the guidance of CZA, LCC and County Board.
- LURM Department Zoning Ordinances are reviewed and amended related to any legislation adoption NR115- Shoreland Regulations, Floodplain and Farmland Preservation.
- Completed the Annual Report as required under S.S. Chapter 92 for the State of Wisconsin, DNR/DATCP.
- Update the Walworth County Land Use and Resource Management Website to include links to all projects completed in 2015 and forthcoming in 2016. Web site has all on-line forms, links to pertinent web sites, and streamlines current information available to the public. (ongoing)
- Implement new program for tracking and receipting of permit applications.
- Implement the process of accepting credit cards as a payment method.
- Duties include court appearances for stormwater/ erosion control, zoning, non-metallic mining and sanitation issues when ordinance violation occurs and resolution cannot be achieved.
- Conduct Variety of Training Workshops for public, professionals, municipalities and rural landowners.
- Continue County-wide Stormwater Pollution Prevention Program, in-cooperation with Walworth County municipalities.
- Monitor nonmetallic mining sites for progress in reclamation, consistent with state and county regulations.
- Prepare Aquatic Plant Management Plans for (2) Walworth County Lakes.
- Assist Linn Sanitary District with Private On-site Waste Treatment Systems inspection & maintenance needs.
- Prepare amendments to the Walworth County Construction Site Erosion Control and Storm Water Management Ordinances, under the direction of the Walworth County Land Conservation Committee and the WDNR.
- Prepare *the Notice of Intent for Walworth County Coverage under the WPDES MS4 General Permit*, with the cooperation of the Walworth County Public Works Department and under the direction of the County Administrator.
- Implement Walworth County Aquatic Invasive Species Control & Prevention Program – including:
 - Conduct Aquatic Plant Identification & Management Workshop with the Walworth County Lakes Association
 - Conduct Citizen Lake Monitoring and Clean Boats – Clean Waters Training Sessions with George Williams College
 - Investigate and apply when appropriate for new cost-sharing grants for Walworth County Land Use & Resource Management

Comprehensive Plan Website

The Walworth County comprehensive plan website can be accessed at:

www.sewrpc.org/smartgrowth/walworthcounty/. The website includes links to a wide range of materials pertaining to the comprehensive planning effort.

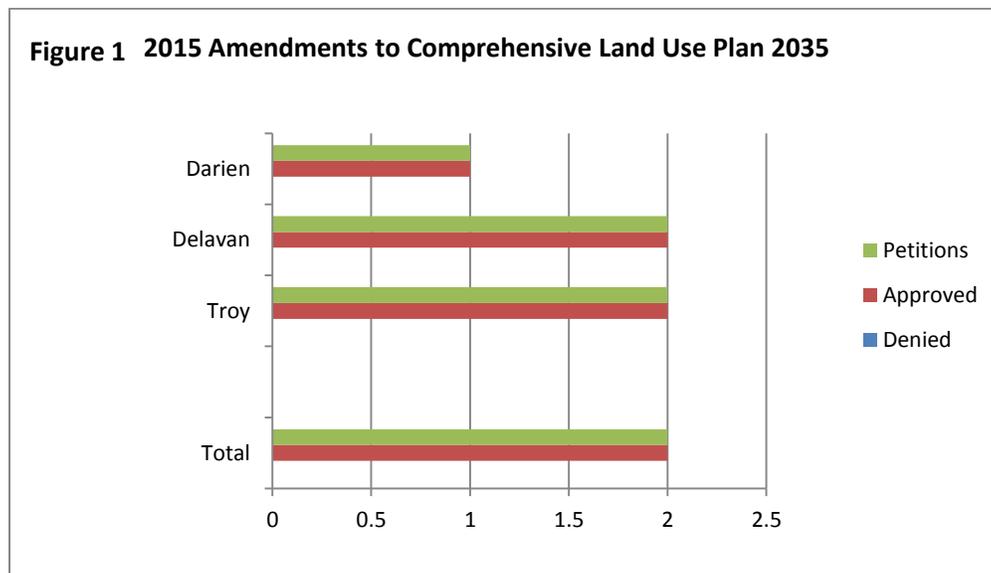
PLANNING

The Planning Division is comprised of a Sr. Planner and Site Planner/Hearing Facilitator. The following charts give an overview of planning functions during 2015. There were a total of 33 rezone hearings/text amendments.

2015 County Zoning Agency Rezones

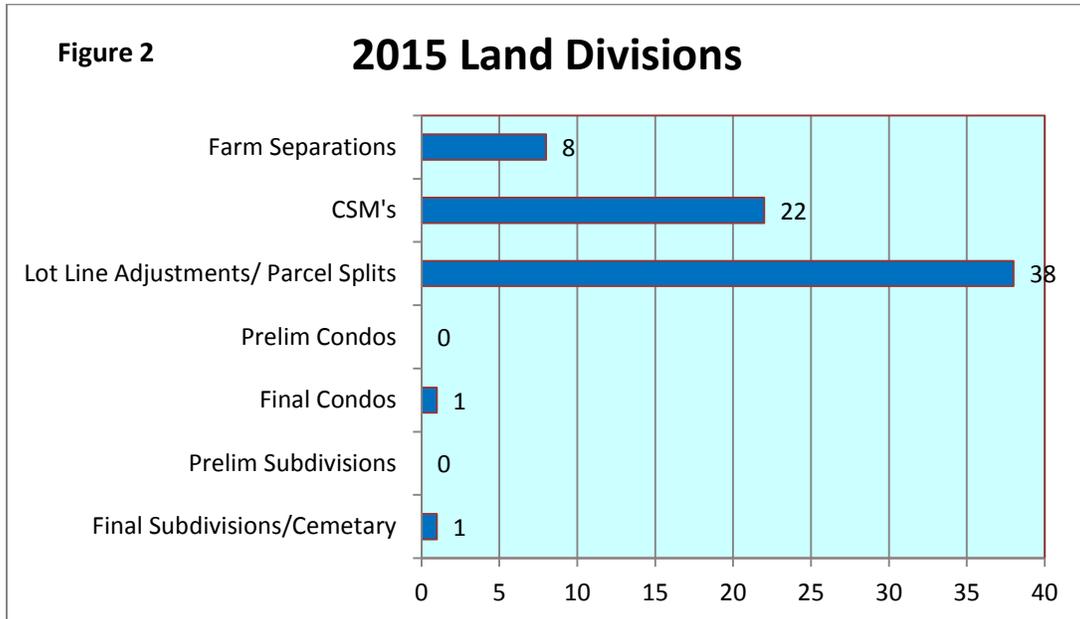
Table 1

Township	2015 Rezone Petitions Approved	2015 Rezone Petitions Denied
Darien	3	0
Delavan	5	0
East Troy	1	0
Geneva	2	0
Lafayette	6	0
LaGrange	0	0
Linn	0	0
Lyons	5	0
Richmond	0	0
Sharon	0	0
Spring Prairie	3	0
Sugar Creek	1	0
Troy	2	0
Walworth	1	0
Whitewater	4	0
Text Amendments	0	0

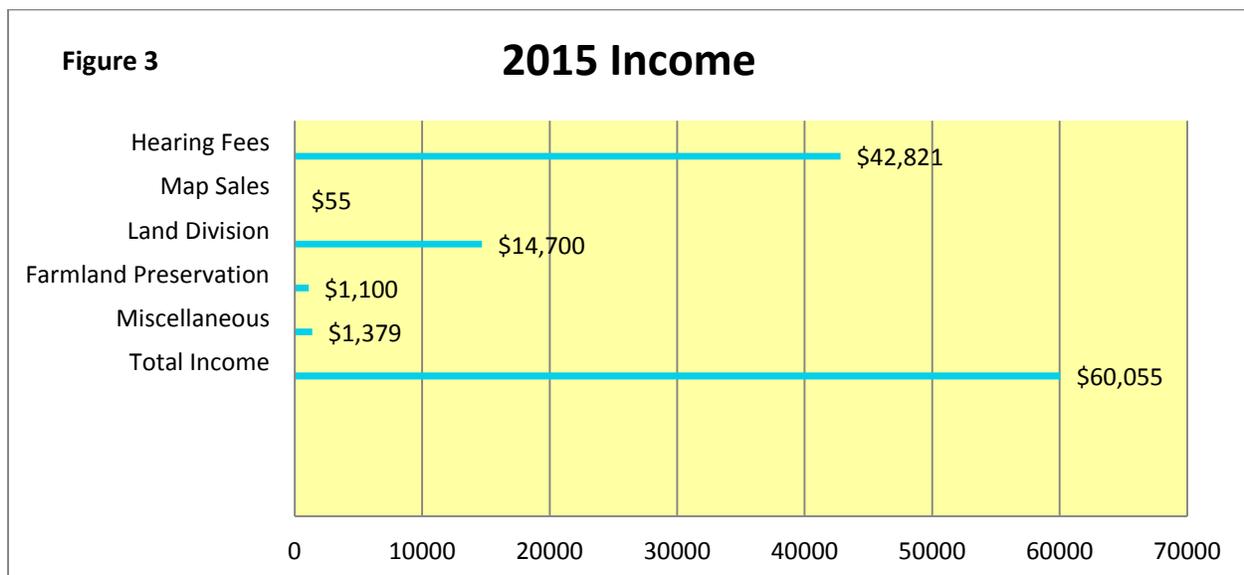


2015 Land Divisions

The Planning Division offers technical expertise regarding certified survey maps, condominium plats, and subdivision plats, lot line adjustments, parcel splits, farm separations, and cemetery plats.

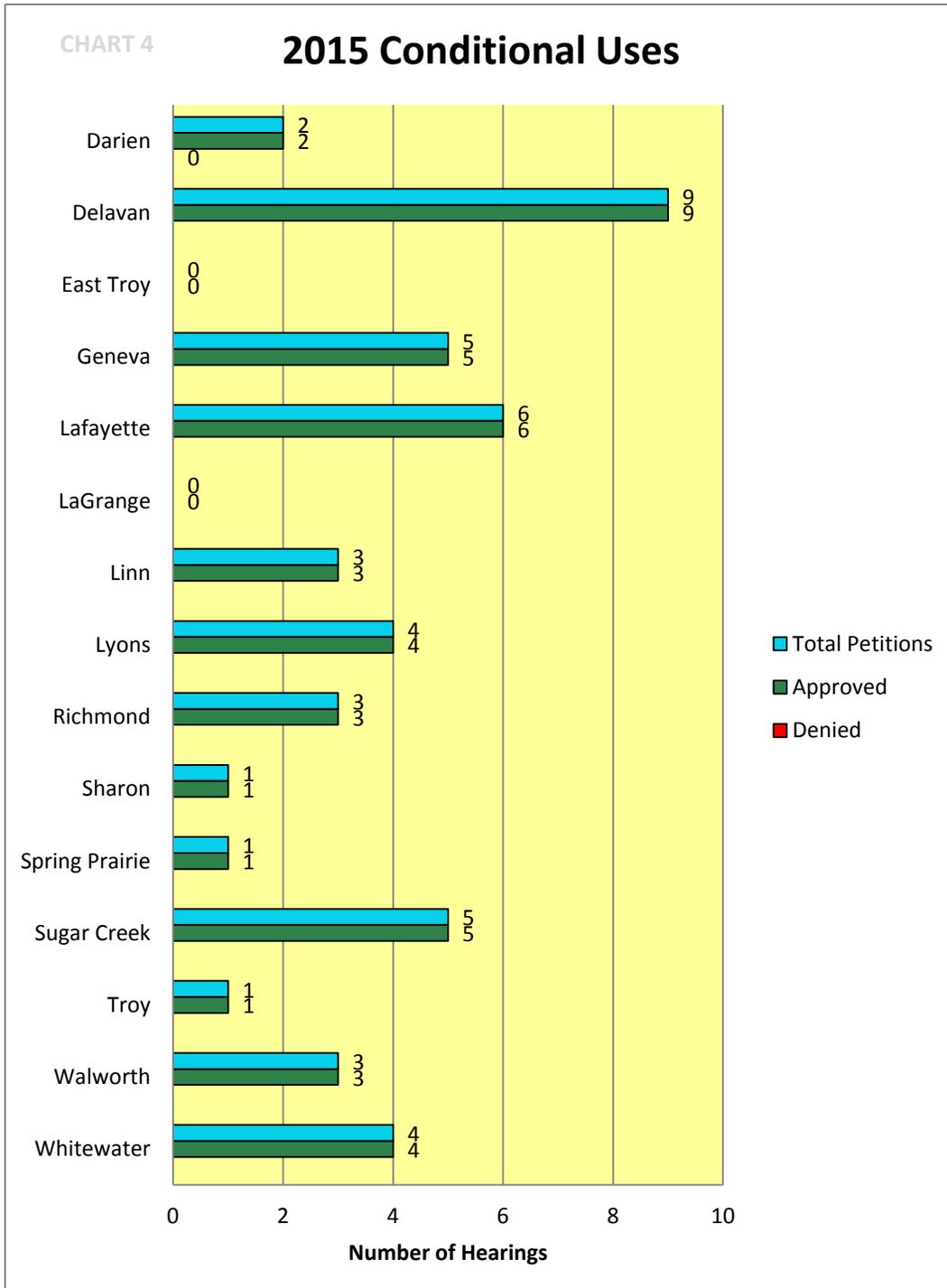


The Planning Division received a total income of \$60,055 during 2015.



2015 County Zoning Agency Conditional Uses

There were 47 conditional use petitions, of which 7 were petitions for amendment of existing conditional uses for 2015. Forty new conditional uses were approved, none were denied, and 7 existing conditional uses were amended. See Figure 4 below.



FARMLAND PRESERVATION TAX CREDIT PROGRAM

On July 13, 2012, the Walworth County Board of Supervisors adopted a county wide Farmland Preservation Plan (excluding Bloomfield Township who is out of county zoning authority). The Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) certified this plan in August 2, 2012. This plan is based on areas zoned A-1 and complies with the county’s comprehensive land use plan.

The Program is a way of providing property tax relief to farmers while at the same time protecting prime Wisconsin farmland and nature resources through land use planning. Wisconsin landowners may obtain an income tax credit of \$7.50 per acre when obtaining a Soil and Water Conservation Plan, Nutrient Management Plan, and Zoning Certification listing property tax identification and amount of acreage zoned as A-1. Wisconsin Farmland Preservation Program was adopted pursuant to Wisconsin Act 28 (the 2009-2011 state biennial budget bill).

One method the state uses to monitor compliance with the program is an annual report prepared by the Walworth County Land Use Resource Management Department on all rezones in the A-1 zoning District. Chapter 91 Wis. Stats. requires the Walworth County Zoning Agency to consider specific standards and conditions before approving a rezone or conditional use in the exclusive agricultural zoning district. Farmland must have a conservation & nutrient manage plan with soil and water conservation standards to be eligible for the farmland preservation tax credit.

FARMLAND PRESERVATION

Table 2

2015 A-1 PRIME AGRICULTURAL DISTRICT REZONES

TOWNSHIP	REZONES OUT OF A-1 DISTRICT	<u>TOTAL</u> ACRES REZONED OUT OF A-1
BLOOMFIELD	0	0
DARIEN	1.835	1.835
DELAVAN	0	0
EAST TROY	0	0
GENEVA	1.83	1.83
LAFAYETTE	55.135	55.135
LAGRANGE	0	0
LINN	0	0
LYONS	5.60	5.60
RICHMOND	0	0
SHARON	0	0
SPRING PRAIRIE	.62	.62
SUGAR CREEK	0	0
TROY	0	0
WALWORTH	.82	.82
WHITEWATER	0	0
TOTALS	ACRES REZONED OUT OF A-1	65.84
	ACRES REZONED INTO A-1	236.70

S = Poor soil class IV and higher

ME = Mineral Extraction

WE = Wetland correction

P = New County Park

Underlined acreage identifies land certified for participation in the Farmland Preservation Program.

ZONING ADMINISTRATION

The Land Use and Resource Management Department Zoning Division consist of a Sr. zoning officer, two code enforcement officers who are licensed to assist the County Sanitation Division, when needed, a Zoning/BOA Hearing Assistant and Zoning Assistant. The zoning division works in conjunction with the Wisconsin Department of Natural Resources, Army Corps of Engineers, FEMA, County Sanitation Division, County Land Conservation Division, County Planning Division, Sheriff's Department, Register of Deeds, Information Systems/GIS, Clerk of Courts, Towns and the Walworth County Corporation Counsel's Office. Duties include court appearances for zoning ordinance compliance issues when mitigation is not met in accordance to Walworth County Ordinances under Chapter 64, 65, and 74.

2015 ZONING PERMITS ISSUED

The zoning division staff reviewed a total of 706 permits.

Table 3

TOWNSHIP	SFD	ACC BLD	ADD/ALT	GAR	COMM	MULTI	POOL	MOVE BLDG	MISC	SIGN	MOBILE HOME	CAMP	AG	TEL EQP	Totals
BLOOMFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DARIEN	2	7	10	0	2	0	0	0	1	0	8	0	2	0	32
DELAVAN	5	15	40	2	9	0	2	0	5	1	0	0	0	0	79
EAST TROY	10	11	16	1	4	0	1	0	8	0	0	0	0	0	51
GENEVA	16	12	38	4	4	0	2	0	2	2	0	0	0	0	80
LAFAYETTE	9	10	8	0	2	0	1	0	1	0	0	0	1	1	33
LA GRANGE	8	15	28	4	1	0	2	0	8	2	0	0	2	0	70
LINN	26	7	34	4	6	0	4	0	15	1	0	0	2	0	100
LYONS	10	7	15	0	6	0	0	0	0	1	2	0	4	0	45
RICHMOND	1	10	13	2	0	0	2	0	1	0	0	0	2	1	32
SHARON	1	2	1	1	0	0	0	0	0	0	0	0	5	0	10
SPRING PRAIRIE	2	6	13	1	0	0	2	0	0	0	0	0	3	0	27
SUGAR CREEK	7	8	19	2	4	0	2	0	1	2	0	1	0	0	46
TROY	7	11	9	2	0	0	2	0	3	0	1	0	2	1	38
WALWORTH	3	8	12	0	1	0	1	0	2	2	0	0	2	0	31
WHITEWATER	9	4	13	1	0	0	0	0	4	0	0	0	1	0	32
TOTALS	116	133	269	24	39	0	21	0	51	11	11	1	27	3	706

COUNTY ZONING PERMITS & FEES COLLECTED BY TOWNSHIP

There were 706 zoning permits received by township. All income received including: cell tower, campground, salvage yards, vegetation/tree, shore yard mitigation, BOA renewals or zoning ordinances \$133,449.40.

Table 4

2015 FEES COLLECTED - ZONING PERMIT APPLICATIONS

TOWNSHIP	NUMBER OF APPS RECEIVED	TOTAL (GROSS) RECD.
DARIEN	33	\$ 7,373.00
DELAVAN	79	\$11,492.00
EAST TROY	54	\$10,000.00
GENEVA	85	\$14,578.10
LAFAYETTE	31	\$ 5,195.00
LA GRANGE	70	\$12,801.80
LINN	106	\$21,875.40
LYONS	46	\$10,175.60
RICHMOND	39	\$ 5,140.00
SHARON	10	\$ 1,750.00
SPRING PRAIRIE	29	\$ 6,566.40
SUGAR CREEK	49	\$ 7,110.00
TROY	37	\$ 6,180.00
WALWORTH	33	\$ 5,247.10
WHITEWATER	34	\$ 7,965.00
<hr/>		
TOTALS:	655	\$133,449.40

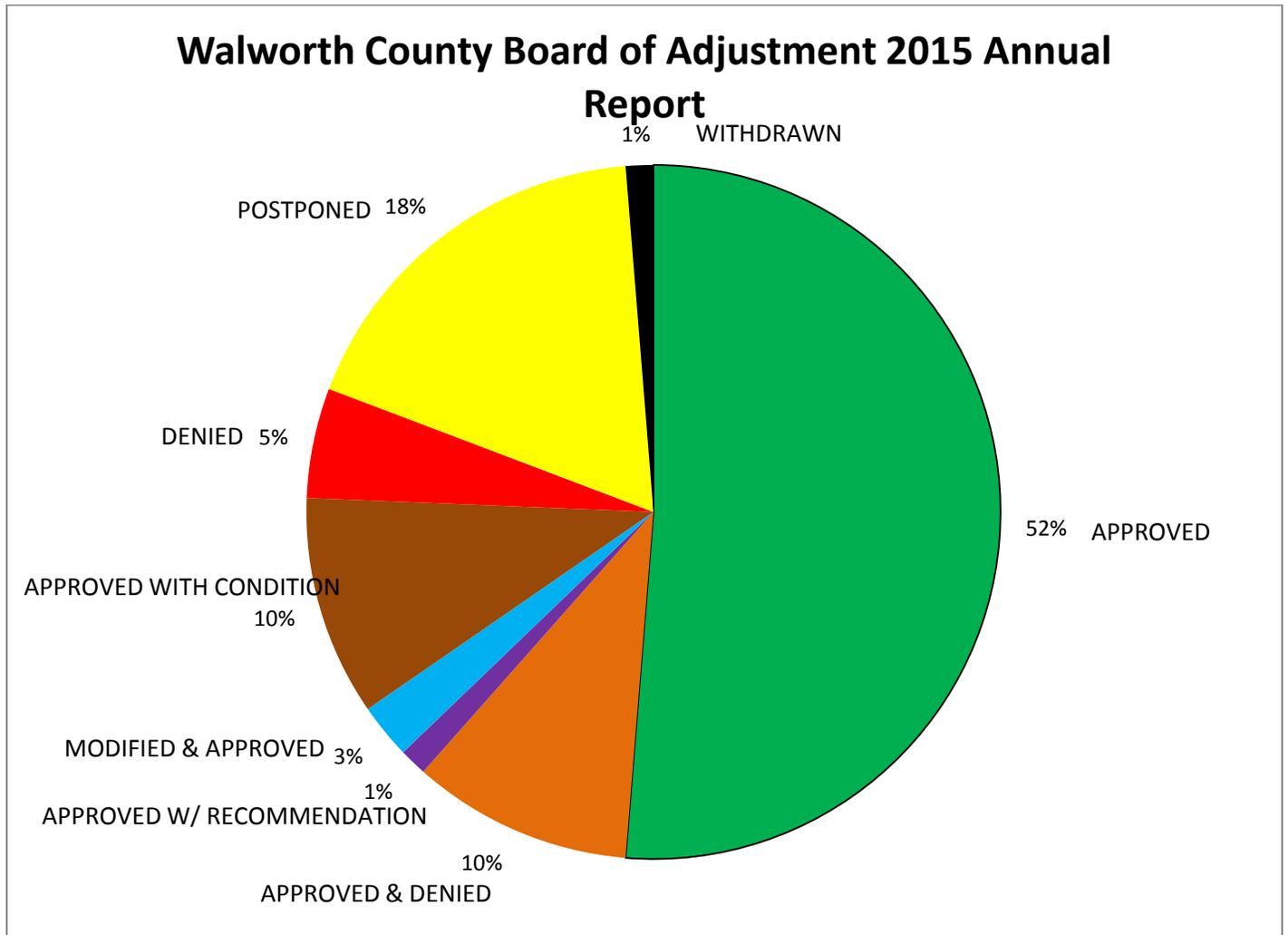
Table 5

2015 BOARD OF ADJUSTMENT HEARINGS

	APPROVED	APPROVED W/CONDITION	APPROVED & POSTPONED	MODIFIED & APPROVED	APPROVED & DENIED	DENIED	POSTPONED	WITHDRAWN		
Bloomfield									Bloomfield	0
Darien	1								Darien	1
Delavan	3	2		1	1		3		Delavan	10
East Troy	6		1	1		1			East Troy	9
Geneva	3								Geneva	3
Lafayette	2								Lafayette	2
La Grange	8	3			2	1	4		La Grange	15
Linn	6	1			1	2	2		Linn	12
Lyons	1								Lyons	1
Richmond	3								Richmond	3
Sharon		2							Sharon	2
Spring Prairie		1					2		Spring Prairie	3
Sugar Creek	1								Sugar Creek	1
Troy	1	1	1						Troy	3
Walworth									Walworth	0
Whitewater	5			1	4		3		Whitewater	13
Total	40	8	1	2	8	4	14	1		78

An overall view of what decisions were made in 2015 by the Walworth County Board of Adjustment is shown below. The approved decisions include hearings that had no other conditions or restrictions. The Board will sometimes approve one part of the variance request and deny, modify, or condition part of the request. The Board denied 4 variance requests with no other conditions or restrictions. There were a total of 78 BOA hearings in 2015, generating an income of \$35,100.00.

Figure 5



SANITATION

The division consists of one full time sanitarian. When needed, coverage is achieved through a Conservation Technician and two (2) Zoning Code Enforcement Officers who have state sanitation licenses.

2015 NUMBER OF SANITARY PERMITS

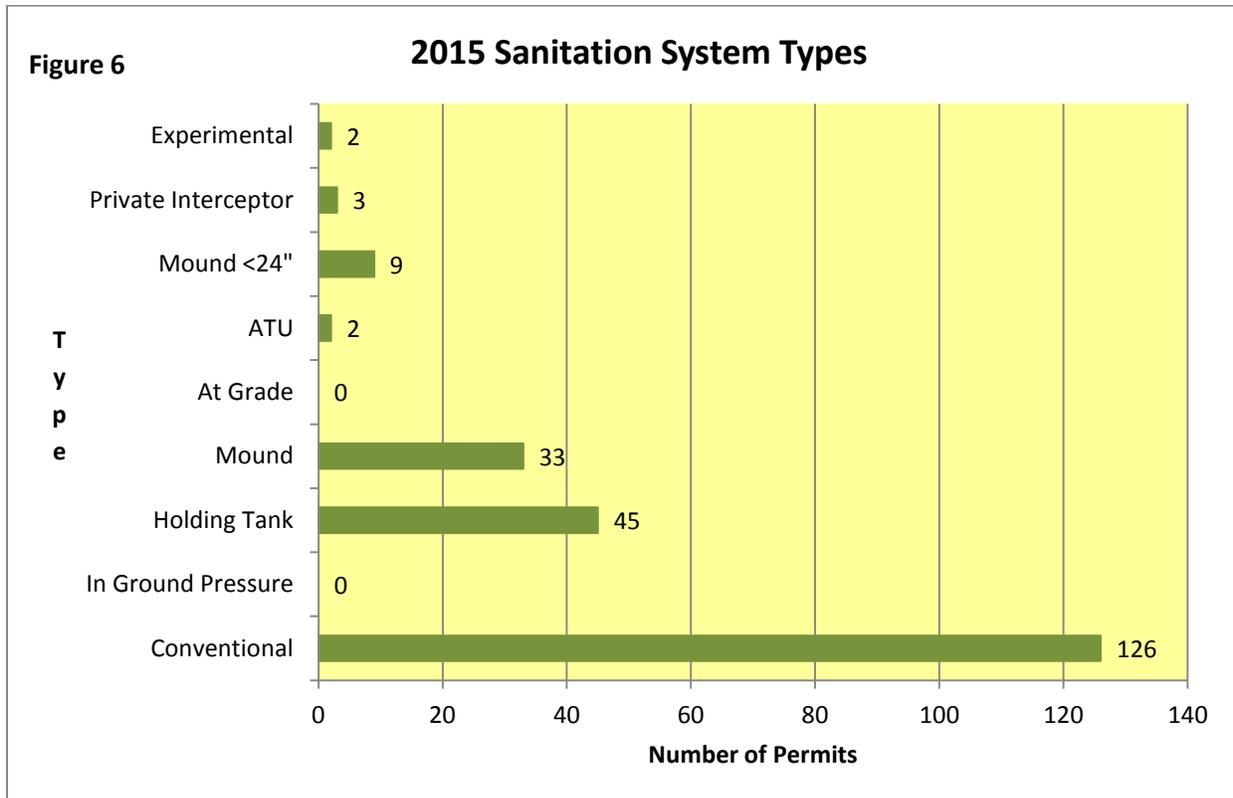
Table 6

2015 SANITARY PERMITS BY TYPE & MUNICIPALITY

TOWNSHIP	CONV	IN-GR. PRESS	HOLDING TANK	MOUND >24"	AT GRADE	ATU	MOUND <24"	PRIVATE INTER.	EXPER.
MUNICIPALITIES	7	0	2	0	0	0	0	0	0
BLOOMFIELD	7	0	0	1	0	0	0	0	0
DARIEN	5	0	0	0	0	0	0	0	0
DELAVAN	3	0	0	4	0	0	2	0	0
EAST TROY	16	0	2	2	0	0	0	3	1
GENEVA	2	0	4	4	0	1	1	0	0
LAFAYETTE	13	0	0	3	0	0	0	0	0
LAGRANGE	9	0	6	0	0	1	0	0	0
LINN	8	0	24	8	0	0	4	0	0
LYONS	10	0	1	2	0	0	0	0	1
RICHMOND	4	0	4	1	0	0	0	0	0
SHARON	1	0	0	1	0	0	1	0	0
SPRING PRAIRIE	2	0	1	1	0	0	0	0	0
SUGAR CREEK	13	0	0	2	0	0	0	0	0
TROY	12	0	0	0	0	0	0	0	0
WALWORTH	4	0	0	1	0	0	0	0	0
WHITEWATER	10	0	1	3	0	0	1	0	0
TOTAL	126	0	45	33	0	2	9	3	2

2015 SANITARY PERMIT TYPES

The chart below gives the breakdown of system types installed.



2015 SANITATION INCOME AND STATE FUNDS

A state sanitary permit is required before a private sewage system can be installed. The fee for the sanitary permit provides revenue for the State of Wisconsin and Walworth County Agents. For each sanitary permit issued, a portion of the fee collected is forwarded to the State of Wisconsin. The total sent in 2015 was \$19,700.00. The remainder of the fee is utilized by the county to administer the private sewage system program.

Table 7**SANITATION ACCOUNTS - STATE FUNDS**

TOWNSHIP	STATE FUNDS COLLECTED BY WALWORTH COUNTY	AMOUNT RETAINED BY COUNTY	TOTAL
MUNICIPALITIES	\$900.00	\$3,595.00	\$4,495.00
BLOOMFIELD	\$800.00	\$3,105.00	\$3,905.00
DARIEN	\$500.00	\$1,800.00	\$2,300.00
DELAVAN	\$900.00	\$4,590.00	\$5,490.00
EAST TROY	\$2,100.00	\$9,210.00	\$11,310.00
GENEVA	\$900.00	\$5,430.00	\$6,330.00
LAFAYETTE	\$1,500.00	\$5,795.00	\$7,295.00
LAGRANGE	\$1,400.00	\$6,865.00	\$8,265.00
LINN	\$4,100.00	\$22,955.00	\$27,055.00
LYONS	\$1,200.00	\$5,770.00	\$6,970.00
RICHMOND	\$700.00	\$3,895.00	\$4,595.00
SHARON	\$300.00	\$1,530.00	\$1,830.00
SPRING PRAIRIE	\$400.00	\$1,930.00	\$2,330.00
SUGAR CREEK	\$1,400.00	\$5,590.00	\$6,990.00
TROY	\$1,000.00	\$4,170.00	\$5,170.00
WALWORTH	\$500.00	\$2,025.00	\$2,525.00
WHITEWATER	\$1,100.00	\$5,855.00	\$6,955.00
TOTAL	\$19,700.00	\$94,110.00	\$113,810.00

2015 SANITATION SOIL AND SITE EVALUATIONS

Soil and site evaluations are conducted by a certified soil tester (CST) to determine site suitability for a private sewage system. These evaluations are on-sited by the County to verify the results. After completion, the soil report can be filed with the county to be later used to obtain a sanitary permit. If the soil report is filed with the county, the original soil report must be submitted along with a filing fee. The 2015 filing fee was \$100. As Table 8 below indicates, a filing fee may be waived in certain circumstances such as when a soil test determines the site is only suitable for a holding tank; additional borings are needed to expand an existing area, to confirm soils are near an existing system, or for preliminary boring(s) to develop land. Total soil test fees collected in 2015 are \$14,500.00.

2015 SOIL AND SITE EVALUATION REPORTS

Table 8

TOWNSHIP	REPORTS W/ \$100.00 FEE	WAIVED FILING FEE	TOTAL REPORTS	TOTAL FEES RECEIVED
MUNICIPALITIES	7	0	7	\$700.00
BLOOMFIELD	5	0	5	\$500.00
DARIEN	4	0	4	\$400.00
DELAVAN	7	0	7	\$700.00
EAST TROY	18	0	18	\$1,800.00
GENEVA	9	2	11	\$900.00
LAFAYETTE	10	2	12	\$1,000.00
LA GRANGE	10	2	12	\$1,000.00
LINN	17	5	22	\$1,700.00
LYONS	12	1	13	\$1,200.00
RICHMOND	5	0	5	\$500.00
SHARON	3	0	3	\$300.00
SPRING PRAIRIE	3	0	3	\$300.00
SUGAR CREEK	11	1	12	\$1,100.00
TROY	8	11	9	\$800.00
WALWORTH	5	0	5	\$500.00
WHITEWATER	11	4	15	\$1,100.00
TOTALS	145	18	163	\$14,500.00

LAND CONSERVATION DIVISION

The Walworth County Land Conservation Division is responsible for advancing a variety of conservation programs and activities aimed at protecting Walworth County’s rural and urban land and water resources. The Land Conservation Division Staff includes a County Conservationist (also the Deputy Director of the LURM Department), an Urban Conservation Specialist, a Senior Conservation Technician, (also a certified Agronomist), a Conservation Technician, a Lake Specialist, a Conservation Program Assistant, and a Conservation Technician / Code Enforcer who is licensed to assist the County Sanitation Division, when needed.

Walworth County Land and Water Resource Management Plan Revision Approved. The Wisconsin Land and Conservation Board approved an extension to the Walworth County Land and Water Resource Management Plan on August 4, 2015. This approval validates the Plan for a term ending December 31, 2020 and maintains the County's eligibility for State funding for staffing and grants to award to landowners to implement conservation practices.

Annual reports for 4 special programs administered by the Walworth County Land Conservation Division Programs are attached to this report:

1. Aquatic Invasive Species Control and Management
2. Urban Storm Water Planning
3. Lake Planning Special Project
4. Nonmetallic Mining Reclamation

Conservation Information and Education: The Land Conservation Division Staff provides natural resource conservation education and information to citizens, business owners and other units of government to encourage them to make better decisions and learn new ways to protect the water quality of Walworth County surface waters, groundwater, lakes and wetlands. The conservation division staff assists other organizations in exercising their leadership to prevent pollution, restore bio-diversity, and promote sustainable development. Examples include:

Nutrient Management Planning Information and Training. A nutrient management planning workshop, facilitated by staff from the County Land Conservation Division, WI Department of Agriculture, Trade and Consumer Protection and Walworth County Cooperative Extension Service was held to assist Walworth County farmers prepare nutrient management plans. 10 Walworth County farm operators attended this workshop and received useful training in preparation of nutrient management plans for their croplands. Staff from the Land Conservation Division assisted farmers one-on-one prepare nutrient management plans, as well as reviewed plans prepared by consultants.

Lakeshore Protection Workshop. The Walworth County Land Use and Resource Management Department, the University of Wisconsin Cooperative Extension Service, and the Wisconsin Department of Natural Resources co-sponsored a workshop to inform and educate landscape contractors and lakefront property owners about shoreland and waterway regulations and the tools to protect the water quality and recreational use of Walworth County Lakes. Over 60 participants attended this workshop.

Conservation Partnerships and Collaboration. The Walworth County Land Conservation Staff provided technical assistance to the Kettle Moraine Land Trust, Geneva Lake Environmental Agency, the Geneva Lake Conservancy, the Mukwonago River Partnership, the Nature Conservancy, Potters Lake Protection and Rehabilitation District, the Town of Delavan Lake Committee, and the Delavan Lake Improvement Association.

Partnerships. Land Conservation Division Staff serves on the following Regional Workgroups:
Brian Smetana is a member of the Statewide Snap-Plus Advisory Committee
Audrey Greene is a member of the Fox River Basin Partnership Team
Fay Amerson is a member of the Information & Education Committee of the Rock River Recovery Partnership Team and the Mukwonago River Partnership
Brian Smetana is a member of the Rock River Partnership –TMDL Agriculture Sector Committee.

Collaboration. The Land Conservation Staff continues to provide assistance in the preparation of the following resource management planning efforts:

The Jackson Creek Protection Plan
Delavan Lake Watershed Protection Plan

- Tables 9 provides a sampling of some of the sources of funding to the Walworth County Land Conservation Division to support staff and landowners for the advancement of conservation programs and the implementation of conservation practices in 2015:

Table 9 Conservation Division Funds Secured: 2015

Amount	Description	Fund Recipient	Funding Source
\$ 250.00	Wildlife Damage Abatement Administrative Costs	County	APHIS/ WI DNR
\$ 19,990.00	Non Metallic Mining Fees	County	Mining Site Operator / Contractor
\$ 104,965.05	Erosion Control Fees Collected	County	Landowner
\$ 6,917.97	Wildlife Damage Abatement (Pass Thru to landowners for services)	Landowner	APHIS/ WI DNR
\$ 3,200.00	Non Metallic Mining Fees(pass thru to DNR)	Pass thru to DNR	Mining Site Operator

Agricultural Land and Water Conservation Planning and Practice Installation

The Land Conservation Division Conservation Technicians work directly with Walworth County landowners and farm operators to plan and implement conservation plans to protect soil resources, groundwater, streams, lakes and wetlands. Approximately 289 landowners and farm operators received technical assistance from the Walworth County Land Conservation Division staff in 2015.

- Table 10 is a list of agricultural conservation practices planned, designed and constructed with technical assistance provided by the Land Conservation Division Staff in 2015.

Table 10 Agricultural Conservation Planning and Implementation: 2015

Amount	Unit	Description
18	Acres	Waterway System
825	Feet	Diversions
1	No	Chute
5780	Ln Feet	Filter Strips
67,610	Acres	Nutrient Management Planning
2	Number	Underground Outlet
1	Number	Animal Waste Management Systems (Barnyard Runoff Systems)
91	Number	Conservation Compliance for Farmland Preservation Program Participants
3	Number	Animal Waste Storage Permit
13/3183 acres	Number/Acres	Conservation Plans/Plan Revisions
1	Number	Livestock Siting review

Construction Site Erosion Control and Storm Water Management

The Walworth County Board of Supervisors adopted a Construction Site Erosion Control Ordinance in 1990. This ordinance was amended in 2007 to include storm water management and the non-agricultural runoff performance standards contained in NR 151 of the Wisconsin Administrative Code. The County Land Conservation Division Staff review construction site erosion control plans and issue permits for most land disturbing activities within the unincorporated area in Walworth County.

In 2015, the Walworth County Land Conservation Division issued 426 Construction Site Erosion Control/Storm Water Management Permits.

Table 11 includes a list of on-site inspections the Land Conservation Division Staff conducted in 2015 on construction sites in Walworth County

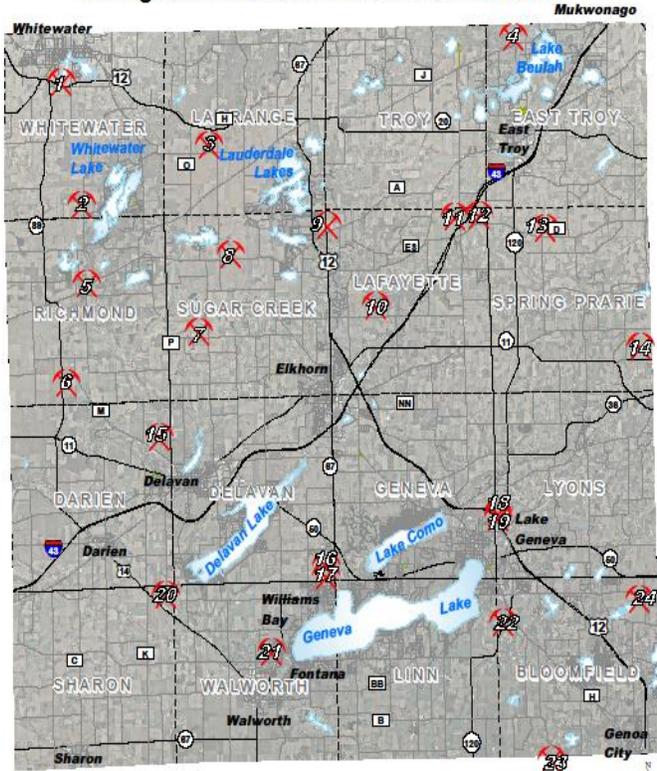
Table 11

STORMWATER & CONSTRUCTION SITE EROSION CONTROL INSPECTIONS, NOTICES, CITATIONS ISSUED				
Township	Erosion Control/ Stormwater Inspections	Inspections/ Notices	Citations Issued	Total Contacts
Bloomfield	0	0	0	0
Darien	12	1	0	13
Delavan	187	1	0	188
East Troy	59	5	1	65
Geneva	93	1	0	94
Lafayette	12	3	0	15
LaGrange	100	5	0	105
Linn	60	9	0	69
Lyons	8	1	0	9
Richmond	14	4	0	18
Sharon	8	0	0	8
Spring Prairie	6	2	0	8
Sugar Creek	67	4	0	71
Troy	17	0	0	17
Walworth	22	4	0	26
Whitewater	78	4	0	82
Total Inspections	743	44	1	788

Nonmetallic Mining Reclamation

Walworth County Nonmetallic Mine Sites

Mining Sites with Reclamation Permits 2015



Updated 1-20-16

Location Key

- | | | |
|------------------------------------|--|---------------------------------|
| 1 - Whitewater LS | 10 - Southwind - Potter Road (private) | 19 - Counihan |
| 2 - Kienbaum - Triebold | 11 - Johnson - Friemoth | 20 - Reesman - Whelan |
| 3 - Payne & Dolan - Nelson/Miller | 12 - Payne & Dolan - New Atkinson | 21 - Stewart |
| 4 - Johnson - Mainka | 13 - Reesman - Bolton | 22 - Otto Jacobs - Home |
| 5 - Payne & Dolan - Richmond | 14 - Wilson (private) | 23 - Thelen |
| 6 - Boss | 15 - Odling - Keizer | 24 - Payne & Dolan - Bloomfield |
| 7 - Countryside Woods - Jacobsen | 16 - Corporate Contractors - Bay | |
| 8 - Super Mix - Junker | 17 - Odling - Bay | |
| 9 - Rock Road - Radecki/Lauderdale | 18 - Payne & Dolan - R.W. Miller | |

The Walworth County Board of Supervisors adopted a Nonmetallic Mining Reclamation Ordinance in 2001.

The purpose of this Ordinance is to insure that the planned or targeted post-mining land use is successfully attained and a stable and productive post-mining condition is achieved after mining has terminated.

An operator of a nonmetallic mining site must have a Reclamation Plan complying with the State Uniform Reclamation Standards, have a County- approved Reclamation Permit and maintain proof of financial assurance covering the cost to Walworth County to implement the Reclamation Plan, should the operator fail to do so.

At the end of 2015, there were 24 active nonmetallic mining sites in Walworth County, covering 7998.5 acres.

In 2015, reclamation was certified on 30.1 acres on 4 Walworth County mining sites. Portions of 4 mining sites, were reclaimed using forfeited reclamation bonds, under a Settlement Agreement and Release, executed by Walworth County, Hanover Insurance, and Ronald Carlson, the Receiver, appointed in the matter of: *In Re B.R. Amon and Sons, Inc., Case No.13 CV 363.*



Potters Pit, Town of Lafayette.



Urban Nonpoint Source and Storm Water Management Planning Grant
Walworth County Land Use and Resource Management Department
Annual Report: December 31, 2015

Task #1 & Task #2. Storm Water Program Publicity and Intergovernmental and Community Outreach Effort.

Develop a Walworth County Urban Storm Water Pollution Prevention and Action Plan

Presentation on the County-wide storm water management program was delivered to the Village Trustees of the **Village of Genoa City and the Village of Bloomfield** and the staff of the **City of Elkhorn**. The three municipalities were provided information about the Wisconsin Municipal Stormwater Permit Program and considered ways to collaborate on the required permit requirements.

Presentation about the State Municipal Storm Water Program was delivered to a joint meeting of the Walworth County Public Works Committee and the Land Conservation Committee.

Formal Intergovernmental Agreements for implementing a collective Walworth County storm water pollution prevention program was entered into with Walworth County and the Village of Genoa City and the City of Elkhorn. Additional communities are expected to join the County-wide Storm Water Pollution Prevention Program in 2016.

Walworth County staff assisted and provided support to the City of Elkhorn, the Village of Genoa City and the Village of Bloomfield for the preparation of WDNR Urban Storm Water Planning Grant Applications in 2014 and 2015.

Meeting on Construction Site Erosion Control and Storm Water Management for Walworth County Municipalities is scheduled for 1/21/2016. All Walworth County municipalities will send representatives to the meeting.

Action Plan should be prepared for Walworth County Storm Water Pollution Prevention Workgroup on July 30, 2016

Task #3. Municipal– Ordinance Development

Continued to review and assist the following communities with construction site erosion control and storm water management ordinance amendments for consistency with NR 151.

1. Village of Williams Bay –**No Ordinance**
2. Village of Bloomfield- **Adopted Co. Ordinance, needs revisions for compliance with NR 151**
3. City of Elkhorn –**Does not comply with NR 151**
4. Village of East Troy –**Draft ordinance meets NR 151 with some exceptions**
5. Village of Sharon- **No Ordinance**
6. Village of Walworth – **Does not comply with NR 151**
7. Village of Darien-**Adopted ordinance in 2005, does not comply with NR 151**
8. Village of Fontana –**Complies with NR 151**
9. City of Delavan - **does not comply with NR 151**
10. City of Lake Geneva. **Does not comply with NR 151**
11. City of Whitewater. **Complies with NR 151**

Prepared draft Walworth County Construction Site Erosion Control and Storm Water Management Ordinances and will ready for WDNR review and Walworth County Land Conservation Committee review on March 21, 2016.

Task #4 Conservation Design and Permit Handbook: Completion date: November 16, 2016.

The preparation of the workbood is underway. Neal Frauenfelder, Walworth County Planner, is assisting on this project and has provided the introductory information on the Conservation Design element. The purpose of this *Handbook* is to consolidate the subdivision design standards contained County Zoning Ordinance, Land Division Ordinance and Environmental Ordinance into a useful and informative document to guide developers and encourage the use of conservation design standards.

The Walworth County Construction Site Erosion Control and Storm Water Management Permit Handbook will be completed following the adoption of the revisions to the Walworth County Storm Water Ordinance and Construction Site Erosion Control Ordinance, (Articles I, II and III of Chapter 26, of the Walworth County Code of Ordinances).

Tasks #5 and #6 Workshops:

Completion Date: December 31, 2016.

The Walworth County Land Conservation Division is assisting the Walworth County Storm Water Workgroup plan and schedule a workshop on Construction Site Erosion Control for County Builders and Building Inspectors.

Workshops / Lakeshore Landscaping

The 2016 Walworth County Lakeshore Landscape Workshop will be held on March 16, 2016. The 2016 workshop will include a presentation on Assembly Park Subdivision Permeable Pavement Project.



Assembly Park Permeable Pavement Project. Walworth County Land Conservation Division authorized the Assembly Park Permeable Pavement project. Assembly Park is a large private subdivision on Delavan Lake. In November 2013, reconstruction of approximately 2 miles of the subdivision roadways commenced using permeable pavers. The permeable pavement systems was designed by Rachel Tranel, P.E., Collins Engineering and the contractor is Prairie Tree Landscaping.

The permeable pavement project was complete in October 2014. Photos of project are shown above. A fact sheet was prepared for the project.

Task #7 Illicit Discharge Ordinance:

Completion Date: October 30, 2016

The Illicit Discharge draft ordinance will be completed in 2016, reviewed by the WDNR and distributed to Walworth County Municipalities for consideration. The Village of Genoa City, the Village of Bloomfield and the City of Elkhorn will be required to adopt an Illicit Discharge Management Program and Ordinance, through their respective WDNR Municipal Storm Water Permit. The City of Delavan and the City of Whitewater have adopted Illicit Discharge Ordinances, respectively.

Task #8 - Nutrient Management for Non-agricultural Use. Completion Date: November 30, 2016.

Inventory and catalog of properties applicable to the Nutrient Management requirement in Walworth County completed. Nutrients are not applied to County properties. Walworth County Land Conservation Staff will assist designated MS4 municipalities prepare and implement nutrient management plans on their properties where this performance standard will apply. The City of Delavan has adopted a phosphorus management ordinance.

Task #9. Website Postings. Completion Date: December 31, 2016.

Walworth County Land Conservation Division staff is establishing a site on the County Website to post information on “Storm Water Pollution Prevention.”

Additional progress

Walworth County Land Conservation Division completed a Wisconsin Water Star Community application in October 2014. Walworth County became a Wisconsin Water Star Community and earned Silver Star. The award was presented to the Walworth County Board of Supervisors on December 9, 2014. Walworth County intends to encourage and assist Walworth County municipalities review the Water Star Community application process.

Walworth County Land Use and Resource Management Department

Progress Report

12/31/2015

Water Conservation Plan Development (Planning Activity #1)

Water Supply Inventory of Walworth County (Findings)

- All Walworth County residents rely on ground water as their water supply.
- 16 municipal water utility systems provide water to almost 60,000 persons in Walworth County.
- Private domestic wells supply water to approximately 40,000 persons in Walworth County.
- 22 private community low or high-capacity wells provide water to approximately 4,000 persons.
- 13 privately owned and operated well systems provide water for industrial uses.
- 96 privately owned and operated well systems provide water for commercial uses.
- 69 privately owned and operated well systems provided water for institutional or recreational uses.
- 16 privately owned and operated well systems provide water for agricultural uses.
- 10 privately owned and operated well systems provide water for irrigation purposes.

These findings will assist in identifying water conservation opportunities and targeting users.

Water Conservation Program or Policy Inventory (Findings)

- Well Head Protection Ordinances.
- Lawn Irrigation Restriction Ordinances.
- Coverage of timer-based to on-demand based water softening systems (City of Lake Geneva)
- Upgrade of water metering (City of Whitewater- customer monitoring of water use)
- Reducing water losses in municipal water systems(repair and replacement)
- Public information on measuring leaks distributed by City of Lake Geneva.
- Good water conservation postings on Village of East Troy, Cities of Whitewater and Delavan websites.
- Water billing based on water use. City of Whitewater is using conservation rates.
- Implementation of State Plumbing Code.

These findings will assist in determining water conservation program and policy recommendations.

Water Conservation Customer Survey (Planning Activity #1)

A *Water Conservation Preference Survey* has been prepared to seek public input from lake residents and utility operators (See Exhibit #1 and #2) for the preparation of the Walworth County Water Conservation Plan. Approximately 115 residents have completed and submitted the Water Conservation Preference Survey.

Utility operator interviews Major finding: Water utilities are enterprises and depend on user fees to perform maintenance, fund upgrades and new water supplies.

Staff gathered information on municipal/utility efforts on water conservation. It was determined that municipalities distribute their Consumer Confidence Report, but conduct little outreach on water conservation. Staff conducted survey of municipal outreach programs on water conservation and only found two communities, City of Delavan and City of Whitewater to have “water conservation tips” posted on their City Websites. Staff concluded that Walworth County municipalities do provide many opportunities to “inform, and educate” residents. A list of municipalities that print and distribute community newsletters was gathered. Municipal websites were viewed. It was also concluded that most municipalities distribute good information on recycling, therefore, Water Conservation messaging can be compatible with those outreach efforts. Water Conservation information could be presented in water bills.

“Water Star” Community Application (Planning Activity #2)

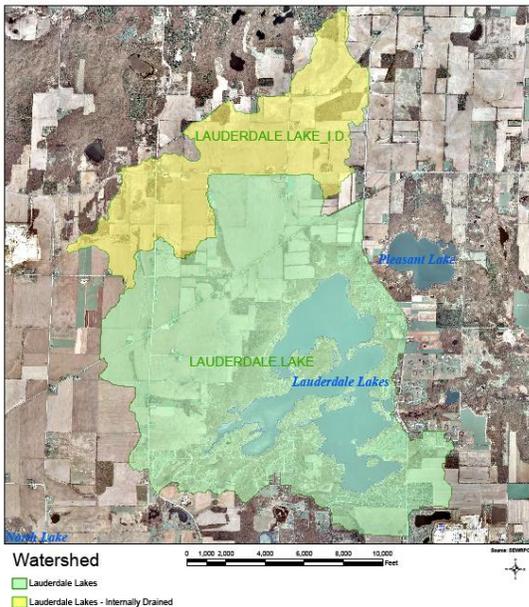
A “Water Star” Community application was prepared and submitted for Walworth County. Walworth County was awarded a Silver Star on December 9, 2015. Additional Walworth County communities are interested in seeking Water Star designation and will be assisted.



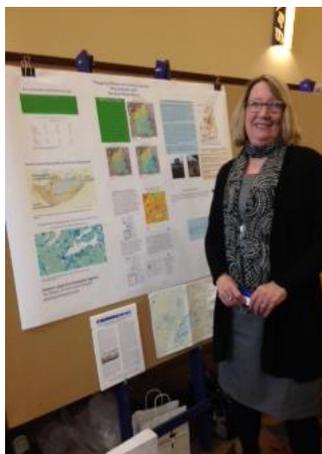
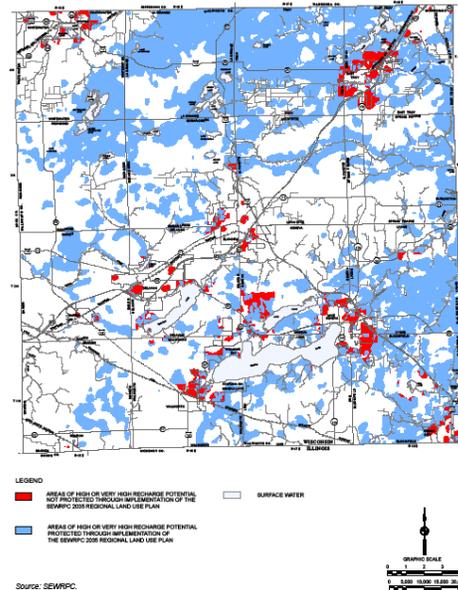
Surface Watershed and Ground Watershed Mapping (Planning Activity #3 and #4)

Shape files for the watersheds of Walworth County Lakes have been prepared by SEWRPC and published. Ground water recharge area mapping for Walworth County complete. Ground watershed mapping continues to be underway through April 2016.

Lauderdale Lakes Watershed Areas



WALWORTH COUNTY PORTION OF THE GROUNDWATER RECHARGE PROTECTION COMPONENT OF THE RECOMMENDED REGIONAL WATER SUPPLY PLAN



**Mapping Walworth County Lake Watersheds
Wisconsin Lakes Partnership 2015 Convention
Poster Presentation - April 24, 2015**

Understanding that every site has a relationship to its adjoining watershed is key to cultivating actions that protect the health of Walworth County lakes, streams, wetlands and groundwater. Walworth County commissioned a watershed mapping project of the County lakes to access geographic data and create a data base of watershed owners and land users. This poster exhibit a sample lake watershed map and describe the useful applications the mapping project will provide to Walworth County and County lake organizations for lake protection and management planning.

Partnerships, Collaboration and Outreach

The following outreach actions related to this planning project have been conducted:

- Public Utility Meetings/Town Meeting (14 meetings)
- Mukwonago River Partnership. (3 meetings)
- Rock River Coalition (6 meetings)
- Intergovernmental Cooperation Council (1 meeting)
- Municipal meetings (25 meetings)
- Walworth County Lake Association (1 monthly meeting)
- UWEX staff (2 meetings)
- Walworth County Environmental Health Department (3 meeting2)
- Geneva Lakes Environmental Agency (3 meetings)
- Lake Builders Association (1 meeting)
- Wisconsin Lakes Partnership – Annual meeting April 2015
- Walworth County Department of Health and Human Services – Environmental Health
2 meetings to plan collaboration with Walworth County well testing program and water conservation information.
- Draft of water use and conservation fact sheet for new dwellings with septic systems distributed by County Sanitation Division

Opportunities for Conservation Information & Education researched for conservation Plan

- Municipal Newsletters (Village of Fontana, City of Elkhorn)
- Libraries
- Municipal Building Display (Village of Genoa City and other)
- List of educational display locations underway.
- Fact Sheets.
- Rain Barrel Sales
- Native plant sales
- County Fair/Farmers Markets
- Hardware stores (Plumbing fixtures)



AQUATIC INVASIVE SPECIES CONTROL & PREVENTION

The Walworth County Aquatic Invasive Species (AIS) Control and Prevention Program provides education and information to lake residents, visiting lake users, lake protection organizations, lake districts, lakeshore landscapers, schools, boater safety classes and other interested parties. Education and assistance provides a means to protect water quality and improve recreational use through the following:

- Educational workshops and presentations on aquatic invasive species, their pathways of introduction and methods to prevent introduction.
- Recruiting and training volunteers and paid staff to participate in the Clean Boats, Clean Waters Watercraft Inspection Program.
- Recruiting and training volunteers to participate in the Citizen Lake Monitoring Program.
- Conduct 200 hours per boating season of Clean Boats, Clean Waters watercraft inspection at County boat launches that do not have active watercraft inspectors.
- Distribute AIS educational informational handouts to residents and visitors to increase their knowledge and encourage prevention measures.
- Provide essential monitoring of sites that have recently experienced AIS rapid response containment and eradication activities.
- Provide technical assistance to the Walworth County Lakes Association.

2015 AQUATIC INVASIVE SPECIES CONTROL & PREVENTION PROGRAM

This Walworth County program is cost-shared by a Wisconsin Department of Natural Resources grant which provides reimbursement of 50% of expenses. Walworth County is very lucky to have received several DNR grants to assist with programs to protect our waterways. The current grant has an implementation period of January 1, 2013 through June 30, 2016. Budgeted expenses for the Aquatic Invasive Species Control & Prevention Program for 2015 totaled \$95,398.20, with a cost to the County of \$47,699.10.

The various programs provided to the public by the Walworth County Lakes Specialist/AIS Coordinator are displayed in Table 12. There were approximately 2186 individuals that received AIS prevention education at one of the workshops, presentations, Clean Boats, Clean Waters, and Citizen Lake Monitoring training sessions or at a local boat launch. Bait dealers, plant nurseries and pet stores can be excellent resources of information about AIS if they receive training and information to share. The Lakes Specialist/AIS Coordinator was also able to work with 27 area businesses that are interested in protecting our County lakes. Between May and September of 2015, 859 watercraft were inspected at 8 different County boat launches and 1709 boaters were educated about AIS and the prevention measures which are required by law.

Table 12: Community Education & Outreach

Presentations, Workshops, CBCW & CLMN Training Sessions	Contacts with Businesses for AIS Prevention	Watercraft Inspected at County Boat Launches	Boaters Contacted at County Boat Launches	AIS Educational Handouts Distributed	Watercraft Inspectors/Citizen Lake Monitor Volunteers Trained
13	27	859	1709	2,990	43

ADDITIONAL LAND CONSERVATION PROGRAMS

The Land Conservation Division Staff provides natural resource conservation education and information to citizens, business owners and other units of government to encourage them to make better decisions and practice new ways to protect the water quality of Walworth County surface water, groundwater, lakes and wetlands. The conservation division staff assists other organizations in exercising their leadership to prevent pollution, restore bio-diversity, and promote sustainable development. Examples include:

- Information and education through; one-on-one contacts, seminars, nutrient management workshops, lake protection presentations, press releases, newsletters, dairy breakfast activities, and prairie walk activities
- A workshop was conducted to assist Walworth County farmers prepare Nutrient Management Plans
- Provide technical assistance to the Walworth County Lakes Association through information and education including attending meetings, procurement of qualified speakers, handouts, and newsletter articles
- Provide technical assistance to the Kettle Moraine Land Trust, Geneva Lake Environmental Agency and the Geneva Lake Conservancy
- Memberships – LCC Staff serves on the following Regional Workgroups:
 - Audrey Greene is a member of the Fox River Basin Partnership Team
 - Fay Amerson is a member of the Information & Education Committee of the Rock River Recovery Partnership Team and the Mukwonago River Partnership

In addition, other work that provided tangible benefits by the Conservation Division not mentioned previously are listed below:

- Providing guidance to the farming community for nutrient management planning for sediment and nutrient reduction, including writing nutrient management plans with all components and providing nutrient management workshops for the farming community and the farming industry
- Land Conservation Committee and citizen assist the various county lake management districts Pursuant to Section 33.26 of the Wisconsin Statutes.
- Conducted a water conservation preference survey of county residents
- Conducted a water conservation survey of water utility operators

INFORMATION AND EDUCATION

The conservation division has provided information and education through press releases, newspaper interviews, workshops, television cable channel presentation, newsletters, dairy breakfast activities and prairie walk activities. Specific program details for 2015 included:

- ✚ Provided technical assistance to Walworth County Lakes Association through information and education, attending meetings, procurement of qualified speakers, pontoon classrooms, handouts and newsletter articles.
- ✚ Organized and conducted an aquatic plant identification and management workshop for lake residents.
- ✚ Organized and conducted (12) lake protection and aquatic invasive species prevention presentations and workshops for lake residents, lake management associations and districts and boater safety classes.
- ✚ Prepare and distributed fact sheet on the Assembly Park permeable pavement project.

- ✚ Prepared and distributed fact sheet on financial assurance for reclamation of nonmetallic mining sites.
- ✚ Staff assisted regional conservation activities through memberships in regional workgroups including Fox River Basin Partnership, Mukwonago River Initiative, Rock River Partnership and coalition of Walworth County Conservation Organizations and Land Trusts.
- ✚ Annual Landscape Workshop was held and well attended.

✚ **Storm Water Program Publicity and Intergovernmental and Community Outreach Efforts:**

- A presentation on Urban Stormwater Issues, with emphasis on preparation for WPDES Municipal stormwater permit was developed and distributed to four Walworth County municipalities. Approximately 60 Walworth County elected officials attended the meeting.
- A presentation on the development of the County-wide storm water management program and water conservation initiative was delivered to the Mukwonago River Partnership. Of course, this group expressed support for the County efforts and pledged to provide assistance in advancing activities as the County progressed in developing these programs.
- Walworth County was recognized as a Wisconsin Water Star Community, and earned a Silver Star. The Wisconsin Water Star Program recognizes Wisconsin communities that do exemplary work in protecting and managing groundwater and surface waters.
- Hosted an informational meeting on municipal stormwater regulations for the Village of Bloomfield, the Village of Genoa City and City of Elkhorn. All newly designated MS4 municipalities agreed to work together on fulfilling the permit requirements.
- Two presentations were conducted at the Village of Williams Bay – a trustee meeting to provide an update on the progress of conditions of the Williams Bay mining site.