

**2008 ANNUAL REPORT
DEPARTMENT OF LAND AND WATER MANAGEMENT**

To the Honorable Board of Supervisors of Ozaukee County

The Land and Water Management Department partners with state, federal, and local organizations to protect, preserve, and enhance natural resources, local ecology, and the quality of life in Ozaukee County.

We strive to serve Ozaukee County taxpayers and other users of the department in a timely and professional manner.

OVERVIEW OF MAJOR PROGRAMS

LAND AND WATER RESOURCE MANAGEMENT

2008 INSTALLATION OF CONSERVATION PRACTICES

Practice(s)	Unit
Grassed Waterway	3 waterways, total length 2,000 ft. = 1.4 acres
Heavy Use Area Protection	1 project = Approximately 0.1 acres
Waste Transfer	1 unit
Manure Storage	4 units
Stream Buffers	19.4 acres = 5,636 ft. of stream buffer
590 Nutrient Management Plans	24 acres installed; 18 new cost share agreements = 1,316.4 acres planned
Access Road/Animal Walkways	1 project = 300 ft.
Subsurface Drains	3 units = 645 ft.
Critical Area Stabilization	5 units
Sediment Basin	1 unit
Livestock Fencing	Approx. 2,000 ft. around manure storages
Streambank Stabilization	Installed 350 ft.; designed 300 ft.

Other projects of interest that were designed for conservation purposes and DNR/Ozaukee County permit requirements were: 3,200 feet of drainage ditch cleanout, 200 feet of retaining wall for runoff control, sweet corn leachate soil investigation, water runoff concern investigation, 500 feet of windbreak buffer, a culvert crossing, and approximately 100 feet of rock-lined waterway.

STATE COST-SHARING FUNDS: Soil and Water Resource Management Grant - \$105,192, and DNR Office of the Great Lakes - \$44,970.

FEDERAL FUNDS: USDA Natural Resources Conservation Service provided more than \$75,000 to Ozaukee County landowners for the installation of soil and water conservation practices.

MANURE STORAGE PERMITS: Permits were issued for 4 manure storage facilities.

USDA-NATURAL RESOURCES CONSERVATION SERVICE (NRCS) PROGRESS SUMMARY

- Betsy Gillen serves as the USDA District Conservationist for Ozaukee and Washington County. She is stationed in the West Bend office and travels to the Port Washington office to assist Ozaukee County landowners.

Below are some of the tasks completed by the USDA Natural Resources Conservation Service in 2008:

- Conservation plans were updated on numerous operator conservation farm plans. The updates evaluated HEL (Highly Erodable Land). All HEL fields were planned so the soil loss from the cropping system meets “T,” the “tolerable” soil loss level.
- Assisted three landowners through the Environmental Quality Incentives Program (EQIP). Following practices were completed:
 - Streambank stabilization project
 - Two-stage manure storage facility; comprehensive nutrient management plan (CNMP), including designs for numerous conservation practices to be installed in 2009.
 - Waste transfer system, bare channel diversion, CNMP, access road, and three coffin inlets.
- Assisted in signing one Conservation Reserve Program (CREP) contract and three CREP equivalent contracts.
- Contribution funds of \$3,105 provided to Ozaukee County for technical assistance given by the Land and Water Management Department for design and construction oversight for Environmental Quality Incentive Program project.

2008 WISCONSIN FARMLAND PRESERVATION PROGRAM

Conservation plans are on file for approximately 174 landowners who participated in the Farmland Preservation Program (FPP) in 2008. Conservation plan status reviews were started on 20 landowners. NR 151 and ATCP 50 compliance checks are also being done on all spot checks as a requirement of the state.

NONMETALLIC MINING RECLAMATION

The LWM Department is presently working with operators of three active sand/gravel pits in the Town of Fredonia monitoring implementation of their reclamation plans. All of the mine operations are inspected on an annual basis and have approved reclamation plans and associated financial assurance. The total unreclaimed acreage of nonmetallic mining within the jurisdiction of Ozaukee County is approximately 101 acres. Eight acres have been reclaimed and released.

2008 WILDLIFE DAMAGE ABATEMENT AND CLAIMS

This program offers abatement and claims assistance to agricultural producers who suffer economic loss from crop damage by deer, geese, or turkeys. Through this 100% state-funded program, numerous agricultural crop fields were evaluated for damage. Three crop producers enrolled in the program, with another five to ten inquiring about program rules. A total of \$3,754.90 was spent on temporary electric fences and repellants for deer. Typically 20 to 50 calls are taken every year regarding damage complaints not covered by the program for cost sharing, but for which technical assistance is allowed. One claim was approved for payment. The claim was for goose damage to corn and soybeans. The claim total was \$1,698.43.

Deer Donation

Sixty-nine deer were donated through the deer donation program. A total of 2,248 lbs. of ground venison was distributed to Family Sharing in Grafton and Random Lake Area Interfaith Pantry. The program paid 100% of the processing cost of \$3,450.00. Saukville Meats and Schwai's Meat & Sausage were the two venison processors.

TREE, SHRUB & PRAIRIE SEED SALE PROGRAM

Approximately 39,350 trees and shrub plants were sold to approximately 340 landowners. The department tree planter was leased to six landowners who planted over 12,000 trees. A total of 71.5 pounds (61 orders) of prairie seed were sold.

STORMWATER MANAGEMENT

A general permit to discharge under the Wisconsin Pollution Discharge Elimination System (WPDES) was issued to Ozaukee County to discharge stormwater from all portions of the municipal separate storm sewer system. The WPDES permit is effective January 19, 2006, through December 31, 2010. The permit requires the implementation of the following programs: public education and outreach, illicit discharge detection and elimination, construction site pollutant control, post-construction stormwater management, and pollution prevention.

Two Stormwater Education and Outreach Workshops were held with all county stormwater-permitted communities to develop a Comprehensive Stormwater Education and Outreach Plan that meets the requirements of the stormwater permit and increase efficiencies.

SANITATION

The Land and Water Management Department issued **110** State of Wisconsin sanitary permits to allow the installation of Private Onsite Wastewater Treatment Systems (POWTS) within the county. The following table is an explanation of these permits.

System Type	Number of Permits Issued	New Construction POWTS	Replacement POWTS	Total Revenue (\$)
A+4 Mound	28	20 (71%)	8 (29%)	—
A+4 Mound with pretreatment	6	2 (33%)	4 (67%)	—
At-Grade	2	1 (50%)	1 (50%)	—
Conventional	4	1 (25%)	3 (75%)	—
Holding Tank	20	2 (10%)	18 (90%)	—
In-Ground Pressure with pretreatment	1	0 (0%)	1 (100%)	—
Mound	27	13 (48%)	14 (52%)	—
Mound with pretreatment	2	2 (100%)	0 (0%)	—
Modifications all system types*	8	N/A	8 (100%)	—
Total:	98	41 (42%)	57 (58%)	\$55,975.00
* Modifications include component replacements and/or additions on existing systems.				
Twelve additional state permits were issued as transfers and renewals (revenue \$900.00).				

The department also issued **17** county permits for existing POWTS: **four** for system reconnections, **nine** for system abandonments, and **four** for system repairs. Application fees totaled **\$2,900.00**.

As a Wisconsin Department of Commerce agent for POWTS plan review, the LWM Department reviewed **94** plans. A total of **\$12,900.00** was paid in plan review fees. Department inspectors also performed **84** final inspections during the year.

POWTS Maintenance Program

During 2008, a new in-house maintenance program was developed and as of December 31, use of the Carmody Data maintenance program was discontinued. The department issued **2,476** notices for required routine maintenance on POWTS within the county. One-time maintenance reporting fees received by the department came primarily through property tax payments for 2007. A smaller portion of the total receipts of **\$19,395.00** is from fees paid with POWTS permit applications. In the future, the one-time fee will be collected only with *new construction* permit applications.

An educational workshop titled “Proper Care Of Your Septic System” was conducted for the public.

Wisconsin Fund

The department processed **five** applications for the Wisconsin Fund Private Sewerage System Replacement or Rehabilitation Grant Program. A total of **\$25,692.00** was distributed to these applicants.

SHORELAND AND FLOODPLAIN ZONING

The department issued **59** zoning and stipulated permits to allow the improvement of lands within the shoreland area of the county. The following table is an explanation of these permits:

Permit Type	Number of Permits Issued	Revenue (\$)
Principal Structure*	25	–
Accessory Structure*	11	–
Stipulated	17	–
General	6	–
Total:	59	\$14,237.29

*Includes modification and/or addition

The department presented **three** applicants requesting conditional use permits to the Board of Adjustment. **All** applications were approved, and application fees totaled **\$825.00**.

The department presented **one** applicant to the Environment and Land Use Committee for a petition to change zoning classification (rezoning). The petition was approved, and the application fee totaled **\$330.00**.

Community Rating System Participant

The goals of the National Flood Insurance Community Rating System (CRS) are to recognize, encourage, and reward community and state activities beyond the minimum required by the National Flood Insurance Program through flood insurance premium adjustments. Flood insurance premiums in the unincorporated areas are reduced by 10% as a result of additional items performed in administering the Floodplain Zoning Ordinance.

2008 GYPSY MOTH SUPPRESSION PROGRAM

The Land and Water Management Department worked with local municipal coordinators to investigate and GIS map potential spray blocks for 2007-08. There were no eligible treatment blocks established for 2007-08, but two areas (one in Grafton and one in Thiensville) had high concentrations on a few trees.

EMERALD ASH BORER

Unfortunately, the Emerald Ash Borer has been found in Ozaukee County, near Newburg. The Land and Water Management Department provides information to county residents and assistance to federal, state and local officials as necessary.

ENVIRONMENTAL EDUCATION

The Land and Water Management Department is involved in providing numerous educational programs and presentations throughout the year. A woodland education workshop was held at Riveredge Nature Center for Ozaukee and Washington County woodland owners. A conservation poster contest provided students an opportunity to demonstrate their artistic skills.

STREAM PASSAGE IMPEDIMENT REMOVAL

A grant from the Wisconsin Coastal Management Program in 2007 enabled the Land and Water Management Department to identify and evaluate potential stream passage barriers for northern pike on 11 warm-water streams in Ozaukee County. Identified were 100 stream passage barriers. In 2008, four fish passage barriers were removed on Ulao Creek through an effort by the Ulao Creek Partnership.

Two presentations were provided—one to local public works directors and another to the general public—on the impacts of fish passage barriers and how to avoid creating these impediments.

The Ozaukee County Stream Impediment Removal Project involves laying the groundwork to reconnect many miles of streams by removing artificial barriers, such as elevated culverts, small structures, debris jams, etc.

LAND AND WATER RESOURCE MANAGEMENT (LWRM) PLAN

Many goals in the Land and Water Resource Management Plan adopted by the County Board of Supervisors in May 2006 were worked on in 2008. The LWRM Plan is available on the County Land and Water Management Department website at:

<http://www.co.ozaukee.wi.us/LandWaterManagement/Index.htm>.

Thank you for your support of our many programs and initiatives.

Respectfully submitted,



Andy Holschbach, Director
Department of Land and Water Management