

LAKE ALLEGAN/KALAMAZOO
RIVER WATERSHED
PHOSPHORUS TMDL
IMPLEMENTATION COMMITTEE

Larry DeLong, Chair
Kathy Buckham and Jeff Eves, Co-Chairs



Program for 2003

REGULAR MEETINGS

TMDL Implementation Committee
TMDL Leadership Team
Individual committees

February 13, and in May, August and November.
January 22 and September 11.
As necessary.

SCHEDULED EVENTS AND ACTIVITIES

March **Watershed Management Short Course** for Jackson and Calhoun counties - locally relevant watershed education for area citizens and officials - Albion College - Monday evenings throughout March, along with one-half day field trip on Saturday, March 29

Watershed Management Short Course for Allegan County - locally relevant watershed education for area citizens and officials - Allegan Governmental Center - Tuesday evenings throughout March, along with one-half day field trip on Saturday, April 12

April **Super Soil Test Saturday** – free testing of lawn soils, along with public information on water quality, turf management and the Lake Allegan/Kalamazoo River phosphorus TMDL. Saturday, April 12 - 10:00 am – 2:00 pm
Numerous sites throughout the watershed

May **TMDL Implementation Committee meeting** - May 8

Golf Course Environmental Stewardship Field Day

June **Landowner turf grass field day** – June 7 Demonstration of proper procedures for watering, fertilizing, mowing and cultural and pest management to enhance residential lawns while protecting water quality - KVCC

Lake Allegan Carp Derby - June 7

Kalamazoo River Expedition - public float trip down the mainstream of the Kalamazoo River - celebrate the river, collect water quality and natural history data, educate decision makers and other citizens and engage in dialogue about the River's future. Fridays and Saturdays June 13 to July 19.

July *Kalamazoo River Expedition continues*

Rain Garden Workshop for property owners - Kalamazoo

August *Kanoe the Kazoo continues*

TMDL Implementation Committee meeting

Sept. *Installation of rain garden demonstration project* - site to be determined

TMDL Leadership Team meeting - September 11

Oct. *Public Policy Forum* – October 2, Comstock

Battle Creek area river clean-up – October 4

Kalamazoo River Watershed Council river festival – October 4

Nov. *TMDL Implementation Committee meeting*

PHOSPHORUS REDUCTION OBJECTIVES FOR 2003

Agriculture, Jane Herbert, Chair:

- get more people to get involved
- facilitate reporting via GIS tracking system
- develop three fact sheets regarding phosphorus reduction opportunities through new technologies for managing manure

Construction Activities, Ken Hubers, Chair:

- develop education and training for the on-site construction site manager, often the landowner
- develop training opportunities for storm water inspectors and certified storm water operators.

Greenhouse Nutrients, no chair:

- recruit industry representatives to help develop strategies for the TMDL program.
- evaluate results of Greenhouse*A*Syst Program, which was piloted during 2002 in Kalamazoo County
- offer Greenhouse*A*Syst to operators within the watershed
- examine possible joint research projects

In Stream, In Lake Processes, Mark Kieser, Chair:

- support Lake Allegan Carp Derby
- attempt to have additional sampling data collected
- undertake an erosion site inventory - mainstream will be accomplished during the Kalamazoo River Expedition
- complete erosion sites BMP demonstration project

Land Use, Mark Kieser, Chair:

- continue conservation development efforts with CH2Mhill
- continue participation in Kalamazoo Area Land Use working group
- prepare white paper evaluating application of conservation development credits
- identify possible sites for demonstration of conservation development trading
- run EPA approved models utilizing Kalamazoo River/Portage Creek data
- conduct trading feasibility studies for a number of active development proposals
- complete case studies documenting how conservation development credits/trading/banking could have been applied to already completed developments

Point Sources, Bruce Merchant, Chair:

- continue to reduce P contributions as per cooperative agreement
- continue to participate in TMDL Implementation Committee
- continue support of non-point P reduction efforts
- prepare and submit annual report to MDEQ

Septic & On-Site Treatment Systems, Ted Havens, reporting:

- work with the technical sub-committee to document phosphorus contributions
- monitor progress of legislation concerning a statewide sanitary code
- develop educational programs which will target local government operations and homeowners.

Stormwater, John Paquin, Chair:

- attempt to bring Kalamazoo River watershed education efforts together
- work with technical committee regarding measurement of phosphorus reduced through housekeeping measures
- develop a program to enhance education/training of volunteer local planning and zoning folks who review site plans

Sub-Basin Management, Kristine Boley-Morse, Chair:

- review results of past sub-basin sampling, and compare with current priority list for new sub-basin efforts
- complete membership of committee
- complete survey of sub-basin efforts, asking them to identify their 5 priority items of “un-met needs” related to phosphorus
- pursue community support and funding for a new sub-basin effort focusing on the immediate drainage area of Lake Allegan.

Transportation, Dennis Randolph, Chair:

- complete inventory of all stream crossings in the watershed, including those over drains and intermittent streams
- identify priority groupings for action, using consistent criteria
- eliminate direct discharges to the river and all streams, as opportunities arise
- develop watershed-wide techniques for retrofits and maintenance practices, and begin development of training materials and programs
- recruit representatives from Eaton and Jackson counties, and from either Trout Unlimited or the Augusta Creek Protection Association.

Turf Grass and Alternative Landscapes, Chris Kosmowski, Chair:

- Super Soils Test Saturday, April 12
- Reprint and distribute "Keep Your Lawn Green and Your Water Clean" brochure
- Homeowner field day in June
- Professional field day - targeted to lawn care providers, turf managers and point-of-sale retailers
- Golf course field day with MSUE's Turf Grass Environmental Stewardship Program
- Creation of a West Michigan turfgrass environmental stewardship program
- Kalamazoo Nature Center's Community Wildlife Program will continue to provide assistance to golf course managers and others on turf management and alternative landscaping
- Workshop on Rain Gardens - target is for July and will target landowners
- Rain garden on-site demonstration project - Kalamazoo area, with installation during September

<i>2003 OBJECTIVES OF SUPPORTING COMMITTEES</i>

Administration and Funding, Tara Egnatuk, Chair:

- assist committees in identifying possible funding sources
- provide coordination of grants and other funding requests
- examine possible organizational and support structures for TMDL efforts after KBS is no longer available (April 2004)

Education and Outreach, Dave Heinicke, Chair:

- develop and distribute the first TMDL Annual Report
- update “Our River” fact sheets for each phosphorus reduction strategy
- create generic Power Point presentations for use by TMDL Committee members, stakeholders, local officials and others
- develop and produce an attractive promotional brochure
- develop a generic display for use at schools, fairs, field days, etc.

GIS System Development, Dean Baas, Chair:

- Complete development of the website, links, mapping and database
- include additional information provided by Committee members and others
- post web site for TMDL Implementation Committee review
- revise site per peer review
- once site is fully functional, go public with site on the web, and announce it

Technical Committee, no chair:

- address overall TMDL Implementation Committee technical issues and data needs
- provide support to other sub-committee efforts

**For additional information,
please contact any of the officers,
committee chairs
or
MSU Extension at 269-671-2412.**

