



Macatawa Area Coordinating Council

A Cooperative Effort Among Units of Government



Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, October 10, 2006

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

AGENDA

Policy Board

- H Blaine Koops, Chair
- H Thun Champassak
- H Hannes Meyers, Jr.
- H Judeth Newham
- H William Vanderbilt
- H Howard Baumann, Jr.
- Randy Brink
- John Cravens
- Lester Hoogland
- Dal McBurrows
- Albert McGeehan
- Arlan B. Meekhof
- Al Myaard
- Terry Nienhuis
- Keith Potter
- Amanda Price
- Gordon Schrotenboer
- Ed Stielstra
- Dave Vander Kooi

H Executive Committee

- PRESENTATION: Janice Swartz Wilford, Manager
MAEAP - MI Agriculture Environmental Assurance Program



The Michigan Agriculture Environmental Assurance Program (MAEAP) is a comprehensive, proactive and voluntary agricultural pollution prevention program, which ensures that participating producers use effective land stewardship practices that comply with state and federal environmental regulations.

The Macatawa Watershed has nearly 20 producers that are MAEAP Certified.

- General Watershed Update
 - a. New Watershed Project Manager
 - b. MDEQ stormwater grant
 - c. Storm drain stenciling – Johnson Controls
 - d. Other items



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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, November 14, 2006

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

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Dave Vander Kooi

|| Executive Committee

- Video Presentation:

"Rescuing a Planet Under Stress and a Civilization in Trouble"

Presentation by Lester Brown, the president and founder of the Earth Policy Institute at the inaugural Green Infrastructure Summit held at Van Andel Arena on October 17, 2006.

- General Watershed Update

- a. Secchi Group
- b. MI Corps – Stream monitoring grant
- c. Storm drain stenciling – Johnson Controls
- d. Land-Use Analysis - GVSU
- d. Other items



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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, December 5, 2006

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

AGENDA

HOPE COLLEGE ADVANCED ENVIRONMENTAL SEMINAR PRESENTATIONS

Please join us to hear the presentations by Hope College students in the Advanced Environmental Seminar. We have found over the years that this has been a valuable experience for the students and has also provided data for the Watershed Project and our members. Your participation and questions help to make the experience complete for the student presenters.

- **“Copper-washed Soil Toxicity and the Aquatic Arthropod *Daphnia magna*: Effects of Copper Sulfate Treatments”**

Researchers: Amanda Bylsma and Teri O'Meara

- **“Tannin Leaching in the Macatawa Watershed”**

Researchers: Karl Buter, Elliott Eisaman and Josh Frushour

- **“Why is the Black River Black?”**

Researchers: Eric Johnson and Amanda Brisbin

We look forward to seeing you there!

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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, January 9, 2007

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

AGENDA

Policy Board

⌘ Blaine Koops, Chair
⌘ Thun Champassak
⌘ Hannes Meyers, Jr.
⌘ Judeth Newham
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Dave Vander Kooi
Todd Wolters

⌘ Executive Committee

- I. Ottawa County Phosphorus Ordinance
- Adam London, Ottawa County Health Department

- II. General Watershed Update
 - a. MSU Institute of Water Research – Coastal Zone Planning Proposal
 - b. Land Use Analysis – GVSU
 - c. Other items

- III. Video Presentation: "*Into the Watershed*"
- Educational video highlighting the Macatawa Watershed



**Macatawa Area
Coordinating Council**

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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, February 13, 2007

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

MEETING CANCELLED

Policy Board

- » Blaine Koops, Chair
- » Thun Champassak
- » Hannes Meyers, Jr.
- » Judeth Newham
- » William Vanderbilt
- Howard Baumann, Jr.
- John Cravens
- Mike Donovan
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- » Executive Committee

AGENDA

The Watershed Technical Committee Meeting has been cancelled for the month of February so MACC staff can devote our time to grant work. We are excited to discuss the grants we are currently applying for with you next month.

Look forward to seeing you in March!



Macatawa Area Coordinating Council

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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, March 13, 2007

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

Policy Board

⌘ Blaine Koops, Chair
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Dave Vander Kooi
Todd Wolters

⌘ Executive Committee

AGENDA

I. Clean Water by Design

- Bob McDonald will present an update on the Clean Water by Design program. The program provides families in less developed countries with water remediation units that accept polluted water and discharge a like amount of potable water for daily drinking/cooking. Bob will also talk about the consortium that has been formed to address these needs.

II. General Watershed Update

- a. Recent Grant Proposals
- b. Upcoming Projects
- c. Educational Campaign
- d. Other items

Hope to see you there!



Macatawa Area Coordinating Council

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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, April 10, 2007

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

Policy Board

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|| Todd Wolters

|| Executive Committee

AGENDA

I. Presentation

- Norma McDonald, Operating Manager from Phase 3 Developments & Investments, will give a presentation on her work with anaerobic digester technology in the local agricultural community. This technology promotes the decomposition of manure or "digestion" of the organics in manure to simple organics and gaseous biogas products (see attachment).

II. General Watershed Update

Hope to see you there!



**Macatawa Area
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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, June 12th, 2007

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

Agenda:

I. Macatawa Watershed Project Updates:

- Spring TMDL Meeting Update
- Stormwater Committee Update
- Educational Initiatives
- Work plan for FY08
- Meeting frequency

II. MDEQ Biological Survey of Macatawa Watershed January 2007
Report included MI/DEQ/WB-07/014

Overall stream habitat scores, which consider in-stream habitat as well as the adjacent stream banks and riparian habitat at the 11 sites in the Macatawa watershed ranged from poor to good.

Policy Board

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▸ Executive Committee



Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, September 11, 2007

10:00 a.m.

FIELD VISITS

I. US Army Corp of Engineers Dredge Containment Facility, East Lakewood Ave – Tour and Discussion

II. Great Lakes Commission Grant BMP Projects – Tour and Discussion

Ottawa Country Road Commission (OCRC) – Outfall Reconstruction, Bioswale Creation

Michigan Department of Transportation (MDOT) – Stabilization of roadside ditch along I-196 to create bioswale



III. Future raingarden construction in Paw Paw Bridge Park – City of Zeeland

We will meet at the dredge containment facility for a tour and then travel to the OCRC bioswale project located a few miles east on Lakewood Avenue. Due to the location of the MDOT BMP site and safety concerns we will discuss the MDOT project at the OCRC Site in lieu of a site visit.

*These sites do have some rough terrain and wet areas. Please wear appropriate footwear!



MDOT's newly constructed bioswale along West I-196



OCRC's newly constructed bioswale along 104th and James Street and Chicago Drive

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Macatawa Area Coordinating Council

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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, December 4, 2007

10:00 AM

Zeeland Township Hall
6582 Byron Road, Zeeland

AGENDA

UPPER MACATAWA CONSERVATION AREA

I. Hope College Advanced Environmental Seminar Presentation, “**The Effectiveness of the Upper Macatawa Conservation Area**”

Please join us to hear the presentation by Hope College students in the Advanced Environmental Seminar class. We have found over the years that this has been a valuable experience for the students and has also provided data for the Watershed Project and our members. Your participation and questions help to make the experience complete for the student presenters.

II. Curtis TerHaar, Coordinator of Park Planning & Development, Ottawa County Parks Department

Curt will be presenting an update on the project progress, and looking at future project plans.

III. Site Visit – Upper Macatawa Conservation Area

If the weather cooperates, we will be visiting the site to walk the new paved path and observe the newly constructed meanders in the river. We will meet and park at the 84th Avenue entrance.

Upper Macatawa Conservation Area

The Upper Macatawa Conservation Area (UMCA), located in Zeeland Township, has been rapidly growing. The site now includes 576 acres with the potential for up to 700 acres in the future. With input from county residents, guidance from the Macatawa Greenway Partnership and funding from the Holland-Zeeland Community Foundation, a master plan is now in place that will guide the development of this project. The Parks

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Executive Committee

Commission approved the Upper Macatawa Conservation Area Master Plan at its February 2006 meeting.

In addition to recreation, the plan recognizes the value of the site for water quality improvement, flood water storage and wildlife habitat enhancement. The majority of master plan improvements for the UMCA have been completed including construction of key parking areas on 84th and 76th Avenues as well as the development of footbridges, picnic areas and overlooks. Trails for hiking and cross-country skiing, including a section of paved trail that will be part of the future greenway trail system are also being completed. Additional wetland restoration and a remainder of a section of the river channel, funded with a \$500,000 grant from the Michigan Department of Environmental Quality's Clean Michigan Initiative, \$100,000 in private dollars donated through the Macatawa Greenway Partnership plus park millage funds, has also been completed. Another restoration project, funded through the Michigan Department of Transportation, will create over 18 acres of wooded and shrub-scrub wetlands for mitigation purposes.



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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, March 11, 2008

10:00 a.m.

Zeeland Township Hall
6582 Byron Road, Zeeland

AGENDA

I. Spring! Phosphorus Fertilizer Ban Education

Development of education and information program for the new county-wide phosphorus fertilizer bans (Ottawa and Allegan)

- How can we best reach the public?

II. Stormwater Grant Update

- Septic System Facts and Trends – Update from TMDL Meeting
- Education - Stormwater Savvy

III. Other

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MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, June 10th, 2008

10:00 AM

Zeeland Township Hall
6582 Byron Road, Zeeland

▸ Executive Committee

The Macatawa Watershed Technical Committee meeting for June is cancelled.



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Macatawa Watershed Project

MACATAWA WATERSHED TECHNICAL COMMITTEE

Tuesday, September 9th, 2008

10:00 AM

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Agenda

- Video Presentation:
"Better Together"

A DVD on local government collaboration presented by the Macatawa Area Coordinating Council
- Introduction of Mary Fales, MACC Watershed Coordinator
- Overview of upcoming Section 319 Grant (pending contract signing):

Macatawa Watershed Project-Rural Program Development
- Update on City of Zeeland BMPs:

Paw Paw Bridge Park and Streets Facility
- FY09 Committee Restructuring
- Announcement of Conservation Mapping Charrette