

PRINCIPALS

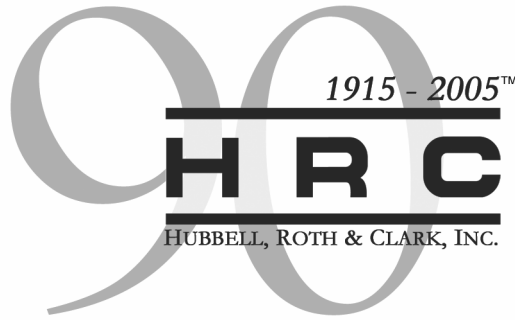
Gerald F. Knapp
Thomas E. Biehl
Walter H. Alix
George E. Hubbell
Peter T. Roth
Michael D. Waring
Keith D. McCormack
Curt A. Christeson

CHIEF FINANCIAL OFFICER

J. Bruce McFarland

SENIOR ASSOCIATES

Frederick C. Navarre
Gary J. Tressel
Lawrence R. Ancypa
Kenneth A. Melchior
Dennis M. Monsere
Randal L. Ford
David P. Wilcox
Timothy H. Sullivan



ASSOCIATES

Thomas G. Maxwell
Nancy M.D. Faught
Jonathan E. Booth
Michael C. MacDonald
Marvin A. Olane
James C. Hanson
Richard F. Beaubien
Margaret Synk Kuhn
William R. Davis
James J. Aiello
Daniel W. Mitchell
Jesse B. VanDeCreek
Robert F. DeFrain
Marshall J. Grazioli

MEETING MINUTES
Livingston County Phase II Watershed Groups
South Branch Shiawassee River Subwatershed Group
Break Out Meeting No. 9

Date: 2/11/05
Time: 10:00am
Meeting Held: Green Oak Township Hall

HRC Job No. 20030566

<u>Present:</u>	<u>Representing</u>	<u>Phone No.</u>
Merry Bering	Howell Twp	517.546.2817
Matt Bolang	LCDPH.....	517.552.6870
Jacqueline Cwik.....	Hartland Twp Resident.....	n/a
Mike Gaden	MSU-Extension	517.546.3950
Bob Hanvey	Marion Twp	517.546.1588
Brian Obrecht.....	Howell Twp Resident (Red Cedar Watershed).....	517.552.5300
Rolly Olney.....	Hartland Twp	810.632.7498
Jacy L. Paul.....	HRC	248.535.3456
Katie Schlueter.....	Hartland Twp Resident.....	810.632.4797
Becky Simpson	LCDC	517.546.0040
Bill Stone	HRC	248.454.6337

<u>Not Present:</u>	<u>Representing</u>	<u>Phone No.</u>
Ken Algozin.....	The Nature Conservancy	989.723.9062
Bill Bamber.....	Oceola Twp.....	517.546.3259
Cheryl Bartley.....	MDEQ.....	517.335.6093
Bob Batt.....	MDOT, University Region.....	517.750.0410
Ed Fox.....	Oceola Twp.....	248.343.0137
Greg Green.....	Howell Twp Resident.....	517.545.4927
Brian Jonckheere	LCDC	517.546.0040
Julie Peltier	Hartland Twp Resident.....	586.530.8119
Nancy Sauvage	Oceola Twp.....	517.546.5886
Steve Wasylk	LCRC	517.546.4250

PURPOSE:

The purpose of today’s breakout meeting was to gauge progress on the codes and ordinance worksheet and hold a discussion on the progress of the watershed planning efforts.

A) Status of Review of Community Master Plans/Ordinances

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Some communities have already completed their codes and ordinance worksheet, some have yet to get started. Jacy Paul stated that the worksheet is fairly easy to fill out and shouldn't take more than a couple hours. Jacy also asked how accessible it is for the public to view these documents. Merry Bering stated that they should be available at the County clerk's office, or at each municipal town hall. Jacy asked in case she needs to personally review a community's document. A new representative for Tyrone Township needs to be delineated to attend the watershed group meetings and get up to speed on the status of watershed planning. This could pose a challenge for obtaining information and input from Tyrone. The group is hopeful that a new candidate will get brought up to speed as the planning has rounded the corner for completion.

B) Status of Watershed Planning

Once the data is collected regarding the status of each community's plans and ordinance language and how it's incorporated storm water quality and quantity protection into that language, recommendations can be made for that planning component.

The next step will be to outline a number of recommended Best Management Practices (BMPs) that each community will agree to implement over the course of implementation of the watershed management plan (WMP). Part of this task will be formulating the action plan matrix that will be included in the WMP. This will be a clear graphical representation of the goals, objectives, tasks and associated timeline and costs that each community will select for implementation. It will provide a snapshot for the overall goal of the WMP and where each community is headed in the grand scheme.

Jacy noted that she hopes to have a draft WMP to the group by April. At this point in time, the draft document is roughly 150 pages in size. At this time, the draft has incorporated all of the pertinent maps, tables and figures right in with the text to facilitate the understanding of the reader to the contents of the plan. The goal is to make the plan as readable as possible and would facilitate viewing the plan online through the county's storm water phase II website. The group has been given most of the draft parts of the plan separately thus far, namely the:

- Draft Water Quality Summary
- Geographic Scope of the Watershed
- Community Profiles
- Land Use

These single documents have been compiled in the WMP draft, with some added text. Jacy will email the current draft Table of Contents of the WMP with these minutes so the group can tentatively see what kind of topics will be included in the WMP, along with the general order that they will be presented in. Having a draft WMP available to the group in April will also ensure that any concerns about the draft will be addressed prior to the second public meeting in May, where the draft WMP will be discussed in detail.

C) Other Items of Interest

There was a productive discussion amongst the group regarding installation of rain gardens in residential areas as a means to get the ideas out there of innovative ways to treat excess storm water runoff.

Jacqueline Cwik lives on Round Lake, and there's a neighbor of hers that has a lot of ponding water in the front yard. Jacqueline thought it would be a great opportunity to plant a rain garden in this area as a means to show the other neighbors what can be done to creatively handle excess runoff. The moral of the story is that to really get these innovative storm water treatment technologies to pop up in more places throughout the area, a great means to get the ideas out there is for volunteers to install them locally. This is a great example of how to get more residents turned on to actually seeing a storm water BMP being built and then functioning. This really is a great way to get residents turned on to buying into storm water management practices. If they can actually see the BMPs working, they'll be more apt to understand their function, and adopt many of the principles in their own backyards. This same principle can be translated to native landscaping, or attractive vegetative buffers along lake shorelines. What would be even better would be to have some form of funding available to residents for these types of projects—such as a local conservation district that receives funding to help residents along in this type of project—from the planning stages to installation.

Jacy passed out a packet of informational sheets on BMPs that the Washtenaw County Drain Commissioner's office put together. The BMPs covered:

- Pamphlet on Low Impact Development (LID)—A Builder's Guide
- Engineered storm water retention/infiltration systems (i.e. storm water retention underground or retention via infiltration)
- Vegetated Swales
- Bioretention Islands
- Porous Pavement
- Native Landscaping

Local examples of installation of these BMPs are outlined on the handouts. Livingston County has had discussions of touring sites such as this to give the group more ideas on how to implement these BMPs. Merry Bering commented that handouts and pamphlets such as these would be perfect to put into the site plan packets they give to builders/developers in Howell Township.

D) Next Meeting

The next break out meeting is scheduled to meet after the regularly scheduled LCDC Subwatershed Group's meeting on **Friday, March 11, 2004** at **Green Oak Township Hall**.

These minutes are intended to be a summary of those items discussed. Any corrections and/or comments should be noted to the writer as soon as possible.

Respectfully submitted,

HUBBELL, ROTH & CLARK, INC.

Jacy L. Paul

Meeting Minutes
Livingston County Drain Commissioner
HRC Job No. 20030566
1/14/05
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JLP/jp

pc: All present
HRC; M. Synk Kuhn; J. Booth; File