

**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



**HUBBELL, ROTH & CLARK, INC.**  
CONSULTING ENGINEERS

**ASSOCIATES**

Timothy H. Sullivan  
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  
Joel E. Bowdan  
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. 6**

Date: 10/8/04  
Time: 10:45am  
Meeting Held: Green Oak Twp Hall

HRC Job No. 20030566.26

<u>Present:</u>	<u>Representing</u>	<u>Phone No.</u>
Bill Bamber .....	Oceola Twp .....	517.546.3259
Merry Bering.....	Howell Twp.....	517.546.2817
Bob Hanvey.....	Marion Twp.....	517.546.1588
Brian Jonckheere.....	LCDC .....	517.546.0040
Brian O’brecht.....	Howell Twp Resident (Red Cedar Watershed) .....	517.552.5300
Jacy L. Paul.....	HRC.....	248.535.3456
Katie Schlueter.....	Hartland Twp Resident .....	810.632.4797
Bill Stone.....	HRC.....	248.454.6337
Steve Wasylk.....	LCRC.....	517.546.4250

<u>Not Present:</u>	<u>Representing</u>	<u>Phone No.</u>
Cindy Ambrose .....	Deerfield Twp .....	517.546.8760
Matt Bolang.....	LCDPH .....	517.552.6870
Mike Gaden.....	MSU-Extension.....	517.546.5154
Doug Kuhn.....	Hartland Twp.....	810.629.3818
Terry Lee.....	Tyrone Twp.....	810.629.8631
Rolly Olney .....	Hartland Twp.....	810.632.7498
Becky Simpson .....	LCDC .....	517.546.0040

**PURPOSE:**

Today’s breakout was relatively brief and the main point of discussion was in regards to watershed signage. There were no comments given in regard to last months meeting agenda items concerning the designated and desired use impairments, pollutants, sources and causes, and watershed goals.

### A) Watershed Signage

A spreadsheet was distributed with a draft tally of possible road/stream crossings where watershed signs could be placed. In order to gain some insight into priority crossings, a Road Commission for Livingston County road map was used to identify higher traffic volume crossings. For instance, the roads were labeled according to their type (Primary or Local Hard Top or Gravel) and given a number corresponding to traffic volume (1-4), with "1" having a potential for the greatest traffic volume. The draft tally designated the following number of crossings for each designation:

1. Primary Hard Top: 17
  2. Local Hard Top: 5
  3. Primary Gravel: 6
  4. Local Gravel: 17
- Total Potential Crossings: 45**

Technically, this number would need to be doubled to 90, since two signs would be needed at each crossing.

The group decided to begin prioritization by omitting crossings at roads with a Number 3 and 4 designation and focus on Primary and Local Hard Top roads (1-2). If a group member feels that there is a Number 3 and/or 4 crossing that would be appropriate as a potential site, it will be kept on the list as a possibility. Additional sites were also suggested by the group that weren't on the draft list. The draft list handed out at the meeting is attached with these minutes; it's also been revised to include the added crossings (identified in *bold/italics*). A new draft list with the Number 3 and 4 crossings omitted will be presented at the next breakout meeting. There are a few crossings along the M-59 corridor which is an MDOT road, in those cases, MDOT will need to be contacted in regards to whether or not they plan on putting signage up at that crossing as part of the PEP requirement of their storm water permit.

Brian will be contacting local vendors before the next meeting to get some solid figures on the cost of the watershed signs, as was discussed at the watershed group meeting. On the spreadsheet, signage by Township was also compiled. There are some township's that are not permitted, but will still be contacted to see if they'll help towards financing of the watershed signs. It has yet to be determined how the cost will be divided among municipalities for payment of the signage.

The timeline for installation of the signs according to the PEP template is by the 3<sup>rd</sup> Year. The group discussed the possibility of installing signs as early as next year.

The group was asked what kind of graphic they might like to use on the signs and they were very partial to the heron.

The other possibility for placement of watershed signs would be at the watershed boundary, with the sign designating, "Entering the Shiawassee River Watershed".

### B) Next Meeting

The next break out meeting is scheduled to meet after the regularly scheduled LCDC Subwatershed Group's meeting on **Friday, November 12, 2004 at Green Oak Township Hall**. At this meeting, a

Meeting Minutes  
Livingston County Drain Commissioner  
HRC Job No. 20030566.26  
10/8/04  
Page 3

draft water quality summary will likely be provided, and the next steps will be taken to define critical areas and prioritize pollutants, sources and causes, and then move onto developing objectives for the watershed goals. These steps correlate with Chapters 3, 5, and 6 of the Blue Book. It would be a good idea to review these chapters prior to our meeting.

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

JLP/jp

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