



Greetings,

At our February 24 meeting, Jason Doll of Tetra Tech presented the Tier One Sites for restoration and stormwater best management practices. Attendees were asked if they had any further information on these sites that could help implement the projects. WECO asked for feedback on how to proceed with presenting the Plan to the public and the decision making bodies in the watersheds. WECO will move forward with this outreach step this year, with support from NCEEP. As always, please let us know if you have any questions. Thank you.

Regards,  
Patrick Beggs

### Next Steps:

**WECO will involve the Troublesome Creeks Watershed Planning Team in presenting the plan. Please keep your eyes open for presentation opportunities and for notice of upcoming meeting**



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Jason Doll of Tetra Tech presented the restoration and stormwater best management practices implementation priorities within the Tier One subwatersheds. The subwatersheds in Tier One are those that have been chosen as the most important to consider first due to their higher risk for current and future degradation and also preservation potential.

14 Stormwater Best Management Practice (BMP) sites were identified.  
These would treat 800 acres of upper Little Troublesome Creek watershed.

8 Stream Restoration Projects were identified  
These would result in 30,000 linear feet of restored stream and 10-15 acres of restored wetlands.

137 Priority Preservation Parcels were identified  
This includes over 1700 acres of high quality riparian habitat

This was a PowerPoint presentation using many maps. The best way to review this might be to go online the Current Work and Updates portion of the Troublesome Creeks website and view the presentation along with this newsletter.

[http://www.ces.ncsu.edu/WECO/troublesome/Tsome\\_current.html](http://www.ces.ncsu.edu/WECO/troublesome/Tsome_current.html)

## Questions from the Meeting

Q: Can you convert a pond to a wetland?

A: Yes, you can also add storage capacity to an existing pond by adding a wetland area around it.

Q: Will educational signs be used when projects are underway or completed? Something should let people know about their tax dollars at work for example. Also, shouldn't sites with high visibility be a priority?

A. It's a great idea. There is a high school in Lenoir County with a constructed wetland and a storyboard explaining it. Maybe money could be donated for the signs, or grant money could be found. **The Team felt projects that are in public view could provide early momentum, and should therefore be higher priority.** EEP is coming up with a logo and has used signs in the past where partnerships existed. Hopefully EEP will also be able to provide educational signs with contact information.

Q. Is Low Impact Development Zoning allowed in the State? Is it only in progressive communities?

A. It is currently only used by development-progressive communities, yes, but it is allowed. Included in the LWP is a check sheet local governments can use to see if their current zoning will allow developers to use LID. The Center for Watershed Protection has a lot of information that can be used for education.

## Site information

### Stream Restoration Sites:

Site 3: Downstream of Kmart. All the land is owned by one person. It is hard to find quality urban restoration sites like this.

Site 5: Courtland Park. There are concerns about this project impacting recreational use of the park.

Site 7: Involves many private landowners.

Site 8: Jaycee Park. This is a tributary to Little Troublesome. It is currently a wooded site, so trees would have to be removed to do this project, but stream is actively eroding and some trees are falling in anyway. This site has a potential for public education and coordination with greenways.

Site 9: Owned by city for wastewater treatment plant, and another landowner

### Stormwater Best Management Practice Sites:

BMP1: Reidsville Middle School bus parking area. There is a potential to turn a sediment basin into stormwater wetland. Piedmont Triad COG is already working to make this site a reality.

BMP2: Courtland Park. This would treat suburban residential area. Piedmont Triad COG is working to get this one done.

BMP3: Corresponds with a stream restoration site, therefore it would be economically efficient to do them at the same time. There is a greenway planned nearby also.

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- BMP4: City cemetery drains to it. This site would not be treating much impervious surface so there is less return on the investment.
- BMP5: Increase the size of the pond by adding wetland forebays, which would increase the storage in the headwaters area
- BMP6: Equity Foods Plant. Good site for a stormwater wetland which could drain a large portion of the parking area and the nearby highway. The stream is severely eroded downstream, with 6-8 foot streambank erosion.
- BMP7: Downstream of BMP6. The stream could be reconstructed to treat both industrial drainages. This site has a very high benefit potential, particularly if both are done. It could be good public relations for the businesses.
- BMP8: Not fully checked out yet, but probably similar to the situation of sites 6 and 7, with a large impervious area draining to a small stream.
- BMP 9: This would treat 29 acres. It has more than one landowner.
- BMP 10: Near the corner of Freeway and Richardson, catches runoff from interchange and suburban neighborhood . Jason thinks it is probably commercially zoned, so it would be expensive. Although, it is a very steep site, so would be hard to develop.
- BMP 11: Kmart parking lot. Bioretention cells (raingardens) could be put in the parking lot. Anywhere you have a parking lot and have space downhill of it, bioretention retrofits could be used.
- BMP 12: Lends itself to a EPA 319 grant.
- BMP13: Upstream from Courtland Park, next to Beech Street. Unused and inaccessible land. Good for stormwater wetland. Privately owned site.
- BMP14: Kmart- north of it. Used to be a wetland. Could build a wetland or storage pond off the main channel. Could catch some runoff from highly pervious area downtown.

### **Implementation of Plan's other recommendations:**

Long term championing will depend upon a long-term local watershed committee, or individuals or agencies.

EEP has Memorandum's of Understanding with the City of Reidsville and Rockingham County. This means they have agreed to hear what has come out of the process.

Who should hear the plan recommendations?  
(Following are different ideas that were brought up by the Team.)

Rockingham County Commissioners  
Rockingham Planning Board  
City of Reidsville Council  
Reidsville Planning Board  
Town of Stokesdale Council  
Stokesdale Planning Board  
Reidsville Rotary  
Local Board of Realtors  
Multi-District Ordinance Committee for Guilford County

Pull special people from each of the boards, have a special meeting here and get them at once. We would need help from locals about who should be invited.

Community Colleges can be good resources. Getting classes involved can help with in-kind matching of grants.

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Janet McFall is at Elon University. Guilford Technical Community College should also be included.

Haw River Assembly wants to stay involved. They have a 319 grant to allow staff time to take our Stream Steward campaign into other areas. Reidsville and Troublesome Creeks areas are places they would like to work in.

Economic Development Groups? It would be good to get some information about the cost of preserving land now versus restoring land later. We need to educate people about long-term costs. It will take repetitive education to get these ideas changed. We need to start introducing the ideas.

We need to target the message:

1. The plan is done, here is what we came up with.
2. How do we reach out and educate?
3. May need additional meetings and forums.

Garden Clubs. The Haw River Assembly has developed a guide to stream habitat plants and where you can purchase them. This helps get gardeners thinking about planting stream banks. We should focus on one site where we can have a model showcase for plants.

Find a home builder or a member of the home-builders association that wants to be a leader. Can we show how home values have gone up with LID?

Rockingham County is working on land use plan and working on a new ordinance. Commissioners realize that ordinances need to be changed. A committee did work on progressive ordinances a few years ago, so they are looking at those again. Timing of this project is very good.

Grassroots groups in the area might be interested in helping.

There is a lobbyist group in Guilford County which is against LID.

February 24, 2004 meeting roster  
Team members and guests present:

**Deborah Amaral**, Haw River Assembly  
**Patrick Beggs**, WECO  
**Shari Bryant**, NC Wildlife Resources Commission  
**Hal Bryson**, WRP  
**Elaine Chioso**, Haw River Assembly  
**Jason Doll**, Tetra Tech  
**Dick Frohock**, Serenity Farm  
**Johnsie Hayes**, Soil and Water, Rockingham County  
**Carolyn Joyner**, Town of Stokesdale  
**Kevin Moore**, Soil and Water, Rockingham County  
**Carol Patrick**, PTCOG  
**Christy Perrin**, WECO  
**Lee Templeton**, Rockingham County Planning Dept.  
**Donna Zinkan**, landowner



Hal Bryson  
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