

**Lick Creek Watershed Restoration Plan
Summary of Stakeholder Meeting #2
March 7, 2007**

Introductions & Agenda

The Stakeholders guiding the Lick Creek Watershed Restoration Plan met at 3:00 P.M. on Wednesday, March 7 in the East Branch Durham Library on Lick Creek Road. Meeting attendees are listed below.

Name	Project Partner or Stakeholder	Organization	Contact Information
Bev Norwood	Stakeholder	Triangle Greenways Council	Ndesign@bellsouth.net / 743-3399
Dean Naujoks	Stakeholder	Neuse River Foundation	Dean.nrf@att.net
Jerry Radman	Stakeholder	MacGregor Devt. Co.	jradman@macgregordev.com
Chris Outlaw	Partner	Durham Stormwater Services	chris.outlaw@durhamnc.gov
Bobby Louque	Partner	Durham Stormwater Services	Robert.louque@durhamnc.gov
Lee Lambert	Stakeholder	Watershed resident and developer	Blambert@nc.rr.com
Gary Parker	Stakeholder	Rhein Brightleaf	gparker@rheinnc.com
Eddie Culberson	Stakeholder	Durham Soil and Water Cons. Dist.	eculberson@co.durham.nc.us
Jennifer Brooks	Stakeholder	Durham Soil and Water Cons. Dist.	jbrooks@co.durham.nc.us
Frank Thomas	Stakeholder	Home Builders Assoc. of DOC	frank@hbadoc.com / 493-8899
George Rogers	Stakeholder	City of Raleigh	George.Rogers@ci.raleigh.nc.us
Kayah Royal		NC Ecosystem Enhancement Prog.	Makayah.royal@ncmail.net
Rob Breeding		NC Ecosystem Enhancement Prog.	Rob.breeding@ncmail.net
Nora Deamer	Stakeholder	NC Div. of Water Quality-Planning	Nora.deamer@ncmail.net
Heather Boyette	Stakeholder	NC Div. of Water Quality-Planning	Heather.boyette@ncmail.net
Sandra Sebbas	Stakeholder	Durham Co. Library	ssebbas@durhamnc.gov
Bill Patrick	Stakeholder	Watershed resident	596-1692 / 475-4131 (cell)
Lee Patrick	Stakeholder	Watershed resident	596-1692 / 475-4131 (cell)
Joe Pearce	Partner	Durham Co. Stormwater & Erosion	jpearce@co.durham.nc.us
Jeff Grote		TWG, Inc.	TWGINC@nc.rr.com
Rick Grote		TWG, Inc.	Rgrote@nc.rr.com
Bill Peebles		TWG, Inc.	Bpeebles70@nc.rr.com
Sue Harris	Stakeholder	Shaw Hills Neighborhood Resident	Dbharris66@nc.rr.com / 596-3054
Dan Line	Partner	NC State University	Dan_line@ncsu.edu
Shari Bryant	Stakeholder	NC Wildlife Resources Commission	Bryants5@earthlink.net
Tom Hill	Stakeholder	Wake County Env. Services	thill@co.wake.nc.us
Becky Heron		Durham County Commission	beckymheron@nc.rr.com
Chris Dreps	Partner	UNRBA	dreps@tjcog.org

The meeting agenda included (decision items marked with *):

3:00 Welcome & Announcements

3:10 Announcements

3:15 Establish Ground Rules, Meeting Schedule, and Makeup of Planning Group*

3:40 Lick Creek Water Quality Monitoring

4:10 Watershed Characterization

4:30 Discuss Lick Creek Watershed Management Goals (part 2)

Announcements

Eddie Culberson announced that the Durham Soil and Water Conservation District, with funding from the NC Clean Water Management Trust Fund, will be conducting a stream restoration project on a 4,000-foot long section of the main stem of Lick Creek. The project begins at Olive Branch Road and extends to the east along the creek. Durham Stormwater Services and NC State University are assisting with the monitoring.

Dean Naujoks announced the new "Muddy Water Watch" project. Muddy water watch will train and support volunteers who will monitor sediment pollution in their home watersheds. The project is modeled on a similar effort in Atlanta, Georgia, and the effort extends across 6 watersheds in NC, including the Upper Neuse. Sediment is the major pollutant in NC waters, and it is a potential source of impairment in Falls Lake.

Lick Creek Group Charter

The Lick Creek Stakeholders will agree to operate by a set of ground rules and responsibilities described in the Lick Creek Group Charter. The Stakeholder Group has reviewed the draft charter, and the group agreed to review and approve individual sections of the charter (one by one) until they have agreed upon the entire charter. At this meeting, the group reviewed and approved the following sections of the charter:

- Ground rules (group agreed to add an additional ground rule, "M. When submitting technical documents, make every attempt to present objective, unbiased information");
- Stakeholder meeting schedule (meetings 3 and 4 have been exchanged in the schedule);
- Watershed planning group (group agreed to accept the structure of the planning group).

Some questions arose concerning other sections of the charter, and these will be addressed at future meetings.

Frank Thomas stated that he is concerned about the statement that "the suspected cause of water degradation is stormwater runoff from urban development" bothers some members of the group (the draft 2006 303(d) list cites urban development as a suspected source of degradation). The group may find new wording for this statement.

Lee Lambert suggested that the landowners should receive direct mailings to landowners. There is no money for this in the project budget, although about ½ of the landowners have received letters alerting them of the project. Joe Pearce and Chris Dreps will work together and explore ways of informing the remaining landowners about this effort.

At the next meeting, we will discuss decision-making approach of the stakeholder group.

Lick Creek Monitoring (Dan Line)

Dan Line, NC State University Water Quality Group, presented the Lick Creek monitoring plan and existing data. The monitoring will assess water chemistry, physical properties, and biological indicators at multiple sites in the watershed monthly during 2 years. A limited number of storm sampling will provide valuable information regarding the total amount of flow and pollutants moving through the streams at the monitoring sites.

Existing monitoring data from Durham Stormwater Services' 2 sites (Main stem at Southview Rd. and Rocky Branch at Kemp Rd.) indicate that turbidity and fecal coliform bacteria have surpassed the state limits for pollution. The Lick Creek monitoring will provide much more information at monitoring site 2, (subwatershed 5), site 4 (subwatershed 4), site 5 (subwatershed 2), and site 6 (subwatershed 1).

Joe Pearce asked whether NCSU Water Quality Group will measure aquatic toxicity levels in the watershed. Dan Line answered that they will not.

Gary Parker asked Dan Line how much data he would prefer to make a definitive call. Dan answered 5 years. However, Dan pointed out, and Nora Deamer confirmed, that the state only needs 10 samples to determine use support ratings (supporting or non-supporting, impaired). The Lick Creek project data will far exceed the minimum needed by the state for use support.

Gary Parker asked when Lick Creek was first listed as impaired. Chris responded that the creek was listed in 1998. (Nora Deamer confirmed this via e-mail after the meeting with the following information. "The main portion was first listed on the 303(d) list in 1998 for impaired biological integrity (_potential _source of Urban runoff/storm sewers). The remaining 0.7 miles were added to the 303(d) list in 2004 for impaired biological integrity as well.")

Lick Creek Watershed Characterization

Chris Dreps presented a brief characterization of the Lick Creek watershed. This information will be released as part of the first technical memorandum to NC Division of Water Quality's 319 grants program. The presentation was a brief preview of the information in the watershed characterization memorandum.

Chris presented information on general watershed size (22 square miles) and location, geology, hydrology (including wetlands), soils, topography, natural habitat and species, land use, point sources of pollution, and potential future land uses.

Lick Creek Watershed Management Visioning

Chris continued a multiple step process for determining the watershed management goals that will guide the Lick Creek Watershed Restoration Plan. The first step in the process is to understand the driving forces behind the need for restoration in Lick Creek. The second step is to develop appropriate goals for this project. Once the goals are established and watershed fieldwork and data gathering have begun, the Project Partners will begin to establish measurable objectives.

The primary forces driving the Lick Creek restoration planning process are regulatory ones. The NC Division of Water Quality has provided the Section 319 grant to create a plan for addressing the impairment of Lick Creek because of the listing of the creek as an "impaired water body" under Section 303(d) the Clean Water Act. The Act requires for impaired systems either the development of a Total Maximum Daily Load (TMDL) of the impairing pollutant (e.g. sediment or nutrient) or a watershed restoration plan.

The stakeholders were asked, as homework, at the January 24 meeting, "What do you want the watershed to be like in 20 years?" Stakeholders replied that they want Lick Creek to have the following conditions in the future.

- Clean water
- Whatever animal life that belong in the watershed will be there
- Good hydrology
- Wildlife habitat connectivity (will still exist)
- Natural topography (developed sites exhibiting natural topography)
- Development for nearby job centers
- Agriculture still being practiced in Lick Creek
- Harmonious multi-use of watershed
- Healthy riparian areas

This was a visioning exercise to give stakeholders the opportunity to express their interests in terms of positive vision statements. Although the primary focus of this project is to create sound, technical recommendations for restoring water quality and aquatic habitat in Lick Creek, the stakeholders should acknowledge the stakeholder interests and strive to make recommendations that, at the very least, recognize multiple interests.

Next Steps

Next meeting: Wednesday, May 9 at 3 p.m. in the Durham East Branch Library. Sally Hoyt from the Center for Watershed Protection will discuss the fieldwork findings from stream and upland assessments conducted from Feb. 26 through March 2.