



STATE OF NORTH CAROLINA, DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
William G. Ross, Jr. Secretary

Land Quality Section
Division of Land Resources
Charles H. Gardner, Director

Vol 8 No 2

April - June 2001

Town of Ayden and Swain County establish local erosion and sedimentation control programs

At its regular meeting on May 15, 2001, the N.C. Sedimentation Control Commission delegated implementation of the Sedimentation Pollution Control Act to the Town of Ayden (in Pitt County) and Swain County. These two delegations bring to 45 the number of local erosion and sediment control programs in North Carolina.

Each local government awarded delegation has adopted a local erosion and sediment control ordinance deemed equal to or more restrictive than the State's model ordinance, and each has demonstrated a commitment of resources to implement its ordinance. Because local erosion and sediment control ordinances vary in content and scope, those contemplating land-disturbing activities should be familiar with local ordinances.

Swain County applied for Local Program Assistance funds to help initiate its program. Funds for cost-sharing for local program start-up were provided by the N.C. General Assembly in the 1999-2001 State government budget. Local governments may receive 40% of the cost of operating a new local erosion and sediment control program for up to 18 months.

The Town of Ayden's Local Program is headed by Billy Merrill, Director of the Planning Department. The program's address is P.O. Box 219, Ayden, NC 28513-0219. The phone number is (252) 746-7077; Fax is (252) 746-7072.

Don Simonds is the Enforcement Officer for Swain County's Local Program. The address is P.O. Box 2321, Bryson City, NC 28713. The phone number is (828) 488-9134; Fax is (828) 488-9601.

Sediments Subscription Update

Please review your address as it appears on the back page of this newsletter. If you wish to have your name removed from our mailing list, or if your address needs to be corrected, please indicate the action we should take adjacent to your address label and return the lower portion of the back page to us for correction.

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May action of the N.C. Sedimentation Control Commission

At its regular meeting in May, the N.C. Sedimentation Control Commission took the following action:

- Elected Dr. Joseph A. Phillips as vice chairman of the commission.
- Delegated authority to implement the Sedimentation Pollution Control Act to the Town of Ayden and Swain County (see page 1).
- Approved local program assistance funds for Swain County and Wake County.
- Approved the following education programs:
 - Revised guidelines for the Green Dozer Awards Program
 - A new awards program for erosion and sedimentation control designers
 - Continuation of the Sediment Education Internship program
 - Continuation of the Local Programs workshop and Local Programs Awards luncheon
 - Four workshops to train erosion and sedimentation control design professionals
 - Expansion of the Clear Water Contractor Training Program (see page 4)
 - Continuation of the Sediments newsletter
 - Continuation of the Muddy Water Essay Contest.
- On the recommendation of its Buffer Subcommittee, adopted guidance for determining the width of undisturbed

vegetation zones that may be used to ensure compliance with the Sedimentation Pollution Control Act and rules adopted under the act. Regional engineers and local programs will be advised of the guidance. In November, the SCC will assess the effectiveness of the guidance and will review the scientific basis for the guidance as well as alternative methods of computing buffer widths.

- Approved initiating permanent rulemaking to increase the plan review fee charged by the Division of Land Resources from \$40 an acre (or part thereof) to \$50 an acre (or part thereof). (Local programs set their own plan review fees, so this rulemaking will not affect local programs' fees.) For information on the rulemaking schedule, contact Mell Nevils, Section Chief, Land Quality Section at (919) 733-4574 or Mell.Nevils@ncmail.net.
- Heard a report from its Subcommittee on Sedimentation in Nutrient Sensitive Waters. The subcommittee was set up in response to a request by the N.C. Environmental Management Commission to consider adopting more stringent erosion and sediment control requirements in watersheds with Nutrient Sensitive Waters. Dr. Seth Reice of UNC-Chapel Hill reported that the committee searched for studies on the relationship between sedimentation and nutrient loading and found no relevant literature. Dr. Reice also reported that he has applied for funding through the N.C. Department of Environment and Natural Resources (Clean Water Act Section 319 funding from EPA) for a study of the impacts of sedimentation from construction sites on 2nd and 3rd order streams where, recent research has shown, extensive denitrification takes place.



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Send comments to Caroline Medlin, NCDENR-Land Quality, 1612 Mail Service Center, Raleigh, NC 27699-1612. Email: Caroline.Medlin@ncmail.net. Send change of address to WRRI, Box 7912, North Carolina State University, Raleigh, NC 27695-7912 (919/515-2815). Fifty-six hundred copies of this newsletter were printed at a cost of \$1,297.44 or 23 cents per copy.

Personnel of the Land Quality Section of the N.C. Department of Environment and Natural Resources provide information and assistance for implementation of the N.C. Erosion and Sediment Control Program. For assistance, please contact the Regional Engineer or the Raleigh headquarters listed below:

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Interchange Bldg, 59 Woodfin Place
Asheville, NC 28801 (828) 251-6208

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225 Green Street, Suite 714
Fayetteville, NC 28301 (910) 486-1541

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Washington, NC 27889 (252) 946-6481

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Winston-Salem, NC 27107 (336) 771-4600

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Raleigh, NC 27699-1612 (919) 733-4574

The North Carolina
Sedimentation Control Commission

The Sedimentation Control Commission (SCC) was created to administer the Sedimentation Control Program pursuant to the N.C. Sedimentation Pollution Control Act of 1973 (SPCA). It is charged with adopting rules, setting standards, and providing guidance for implementation of the Act. The composition of the Commission is set by statute to encompass a broad range of perspectives and expertise in areas related to construction, industry, government, and natural resource conservation and quality. All members are appointed by the Governor and serve three-year terms, except for the Director of the Water Resources Research Institute of The University of North Carolina, who serves as long as he remains Director. The chairman of the SCC is named by the Governor.

Chairman:
Kenneth H. Reckhow
Durham

Director of Water Resources Research Institute

Commissioners:

Daniel V. Besse
Winston-Salem
Rep. N.C. Environmental Management Com.

John R. Bratton
Knightdale
Rep. N.C. Mining Com.

Donnie W. Brewer
Greenville
Rep. Professional Engineers of N.C.

James Ferguson
Clyde
Rep. N.C. Soil and Water Conservation Com.

Phillip Ray Gibson
Cullowhee
Non-governmental conservation representative

J. Wendell Gilliam
Raleigh
Rep. NCSU Dept. of Soil Science

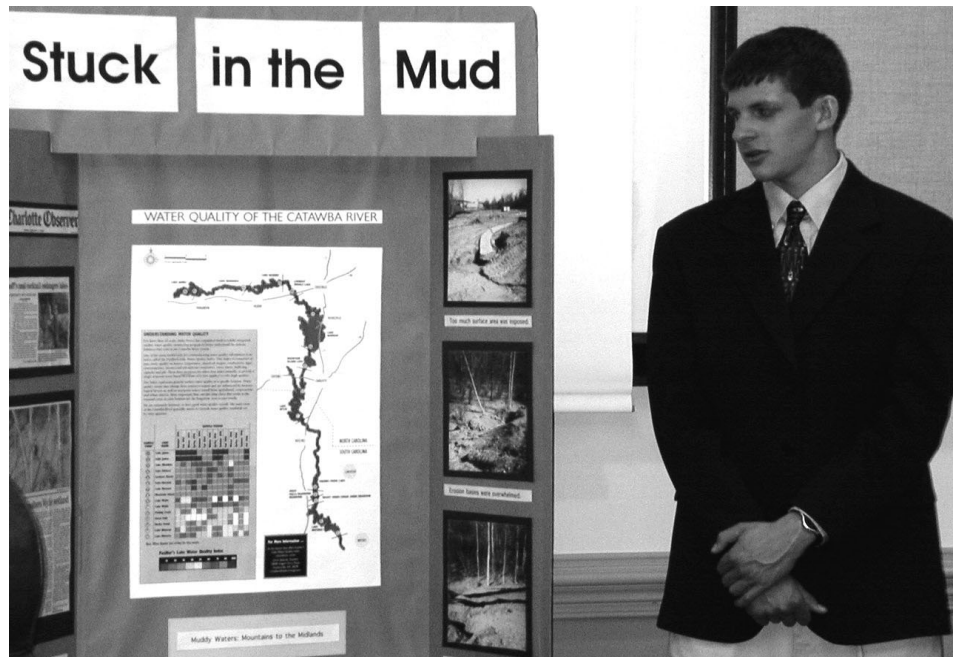
Ray B. Killough
Matthews
Rep. N.C. public utilities

Joseph A. Phillips
Raleigh
Non-governmental conservation representative

Kyle Sonnenberg
Southern Pines
Rep. Association of County Commissioners/
N.C. League of Municipalities

Ralph Stout
Greensboro
Rep. Carolinas Associated General Contractors

F. Roger Watson
Asheville
Rep. N.C. Home Builders Association



Kenneth Olson presents his essay, "Stuck in the Mud" at the Sedimentation Control Commission meeting in May.

Muddy Water Essay Contest winner

Kenneth Olson, a senior at East Mecklenburg High School, is the state winner of the 2001 Muddy Water Essay Contest. Kenneth is a National Merit Scholar and plans to attend UNC-Chapel Hill in the fall. He presented his winning essay—a poster presentation—at the SCC meeting in May. His presentation dealt with sedimentation problems in the Catawba River Basin.

Kenneth, his chemistry teacher—Ramona Hedrick, and his school each received \$1,000 as a result of his winning essay. Kenneth said that with the prize money, his school was able to buy a photospectrometer for the chemistry lab.

The second place winner, Robyn Kondrad; her teacher, Florence Gullickson; and Southwest Guilford High School received \$500 each. Third place winner, Amy Boyer; her teacher, Clay Campbell; and Washington High School received \$250 each.

At its May meeting the SCC approved a change to the Muddy Water Essay Contest prizes. In coming years, the state student winner will receive \$1,200; the teacher, \$1,000; and the

school, \$800. Second place student winner will receive \$600; the teacher, \$500; and the school, \$400. Third place student winner will receive \$300; the teacher, \$250; and the school \$200.

Regional student winners will receive \$120; teachers \$100, and schools, \$80.

Information on the 2002 Muddy Water Essay Contest will be mailed to schools in October. The deadline for submitting entries to Land Quality Regional Offices will be February 1, 2002.

For additional information on the contest, contact Caroline Medlin, Sedimentation Education Specialist with the Land Quality Section, at (919) 733-4574.

Personnel changes

Bill Noyes, Sediment Specialist in the Raleigh headquarters of the Division of Land Resources, has taken a position outside the department. David Ward is Acting Sediment Specialist.

EARTHMOVERS: KEEPING OUR STREAMS DIRT FREE

Approximately 100 earth moving contractors gathered recently at four meeting sites in Western North Carolina to improve knowledge about how to stop erosion and protect the region's streams from sedimentation. Those attending the first-ever Clear Water Contractor Training Programs in Murphy, Franklin, Waynesville and Boone were required to be operators of land-clearing equipment before being allowed to attend.

"We screened each call," explained Phillip Gibson of Western North Carolina Tomorrow. "They had to be the one on the dozer, the backhoe or any machine that is clearing land for development out in the field. There were a lot of folks who wanted to be part of this, but we limited it specifically to the earth-moving community. If they were the owner or the one in the office, they weren't the ones targeted by this."

The one-day training sessions, which were held February 14-19, were



Participants in the Murphy training session on February 14.



Participants in the Franklin training session on February 15.



Participants in the Waynesville training session on February 16.



Participants in the Boone training session on February 19.

the result of a collaborative effort between Gibson and Mike Goodson of the Division of Land Resources, N.C.

Department of Environment & Natural Resources. Gibson and Goodson developed a mailing list of every contractor and developer they could locate and sent out a survey requesting the kinds of information they might need. The top four survey issues included information about erosion and sedimentation control laws; technical information on installing erosion control measures; estimating the cost of the measures and information on riparian and buffer zones.

"What we're reaching is the small operator, which hasn't been achieved before," Goodson said. "Many are subcontractors such as the excavating or grading companies that bring in the rock and put in riprap or berms."

Participants received a free lunch and a \$20 erosion and sediment control field manual developed

by the NC Division of Land Resources. They also received decals to use on letterheads, their machines or in other

advertising to promote their training as a Clear Water Contractor.

Gibson said the designation should be helpful in attracting business. Lists of Clear Water Contractors will be maintained. A listing of those who participated in the program and details as to what they were taught is available on the

following website: www.wnct.org.

Gibson is currently developing billboards and a newsletter to promote and assist the contractors that participated in this pilot program. For more information contact: Phillip Gibson, Western North Carolina Tomorrow Natural Resources Program Manager and

member, N.C. Sedimentation Control Commission (828) 227-7492 or Mike Goodson, NC Division of Land Resources Assistant Regional Engineer, (828) 251-6208

Following are participants of the Clear Water Contractor program:

Silas Allen Cherokee Co. Building and Inspections
 Melvin Ashe Ashe Grading & Trucking
 Lyle Barber Lyle Barber Construction
 Chuck Bates Bates Septic Tank Service
 Eddie Beaver Tome Schuler
 Eric Bradley Bradley & Case Construction Co.
 Derek Brewton Western Builders Inc.
 Kenneth Brooms Mountain Creek Construction Company
 Russ Burgess Burgess Tree Service/Grading
 Kerr Cable Cable's Dozer & Backhoe Service
 Terry Callahan Young & McQueen Grading Co. Inc.
 Carl Campbell Brother Nature Excavating, Inc.
 Richard Carlson Rick Carlson Construction Company
 Alan Carver Phillips & Jordan
 Tommy Chambers Hemlock Homes of Highlands, Inc.
 Neil Church Neil Church Construction
 Lewis Clark Clark & Leatherwood Inc.
 Phillip Cochran WNC Paving, Inc.
 Ralph Coffey Ralph Coffey Grading
 Danny Cordell Cordell Construction & Trucking
 Bill Cornwell Cornwell Construction
 Doug Cox Doug Cox Backhoe Service
 Grady Cranford Cranford's Grading & Excavating
 John Daly Daly Homes Inc.
 David Denton Denton's Landscaping Inc.
 Doug DeRosa DeBax Development, Inc.
 Barry Dossenko Barry's Excavating & Remodeling
 Mark Durway Enviromark PA
 Burton Edwards Caroline-A-Contracting
 Horace Edwards Wolfpen Associates, Inc.
 Bruce Flood Top Leaf Productions
 Jerry Franklin James H Franklin Grading Contractor



Stewart Franklin James H Franklin Grading Contractor
 Keith Green Mountain Top Grading
 Darrell Greene Greene's Excavating
 Perry Greene Jr. Greene Construction Co.
 Larry Grindstaff Aldridge Brothers, Inc.
 Johnny Hannah James H Franklin Grading Contractor
 Kenneth Henson Henson Excavating
 Craig Heussner Craig's Excavation
 Paul Higdon Sodbusters
 B.J. Hodges Industrial Electronics
 Steve Holt H&H Excavating
 Will Horne Cripple Creek Inc.
 Jim Howell PondeRosa Home Builders, Inc.
 Terry Hubbell Lupoli Construction
 Dennis Huskins Huskins Construction
 Lee Anne Jacobs The Council of State Governments
 Buddy Johnson D Johnson Grading
 Jeff Johnson Cabin Creek Timber Frames
 David Johnston Land Development Service & Co.
 Randy Jordan Phillips & Jordan
 Russell Laney Aldridge Brothers, Inc.
 James Lowe Lowe's Backhoe Service
 Jackie Lynn Phillips & Jordan
 Tom Mainolfi Carolina Native Landscapes
 Tim Marsh James R. Vannoy & Sons Construction
 Michael Maul Maul Construction Co.

Jason McClure Hydro-Pro Hydro-Seeding/Finish Grading
 Gary McClure McClure Excavating Inc.
 Jonathan McGuire Nantahala Talc & Limestone
 Mac McKay RCF Construction Co.
 Steve Miller Rabbitskin Excavating
 Dudley Orr Phillips & Jordan
 Keith Oxford Gateway Grading & Development Inc.
 Lewis Penland C. Lewis Penland Inc.
 Jim Perry Pinnacle Grading Co., Inc.
 Jeff Phillips JWP Enterprises Inc.
 Phillip Plemmons Tennoca Construction Co.
 Robert Ramsey J W Hampton Company
 Larry Rogers Larry Rogers Construction Co. Inc.
 Eddie Rose Clark & Leatherwood Inc.
 Buddy Salter Balsam Mountain Preserve
 Edd Satterfield Phillips & Jordan
 Donald Smith Smith Dozer Service
 Damon Smith Ray Smith Construction
 Dale Sparks Sparks Construction
 Bobby Stanley Carolina Environmental Specialists
 James C. Stanley Stanley Trucking & Excavating
 Jerry Starr Starr Construction
 Allen Stewart High Country Hydroseeding
 Robert Stroup Baker Grading & Landscaping Inc.
 Tony Taylor T&T Hauling
 Gary Taylor T&T Contracting
 Daniel Turpin Western Builders Inc.
 John Walker Walker Logging
 Phil Wellborn Phil Wellborn Construction
 Jeremiah Wike Scott Wike Construction
 B.M. Wilson TOYHSMA Inc.
 Edwin Wilson Wilson's Truck & Backhoe Service
 Scott Woodard Appalachian Environmental Services
 Larry Woodie J.E. Woodie & Sons Inc.
 Shairrel Wyatt S.D. Wyatt Excavating

**A toll-free hotline
has been
established
statewide for
concerned
citizens to
report possible
violations of the
North Carolina
Sedimentation
Pollution
Control Act.
To report problems
call
1-866-
STOPMUD
(786-7683)**

Invitation to Help the NCSU Department of Biological and Agricultural Engineering Plan Distance Learning Opportunities in the Environmental Area

The Department of Biological and Agricultural Engineering at North Carolina State University supports extensive research, extension, and academic programs in environmental engineering. However, we are approaching the limit in what we can offer in the way of workshops, graduate credit courses and programs in this area, given current resources. We are looking for ways to reach more people with our programs using non-traditional delivery methods.

One of the approaches we are considering is distance learning. This includes workshops and classes offered through interactive, video-based classrooms, video-taped material distributed to the students and/or materials made available on the Internet (Web). In all cases, a real, live instructor will be responsible for establishing the pace, answering questions, and conducting assessments.

Among the areas in which we are considering offering distance learning are stormwater management and erosion control.

To help us determine the need for such programs, we have prepared an on-line survey. The survey enables you to express your interest and give us your opinion on how we should develop this program. The survey takes less than 10 minutes to complete.

We invite you to participate in our planning process by taking our on-line survey. As an incentive, we are offering a \$10 discount on any of our extension on-line workshops. The deadline for completing the survey is July 1.

The URL for the survey is: <http://www3.bae.ncsu.edu/dlsurvey/>

If you have any questions about the survey or our programs, please e-mail us via the website.

SEDIMENTS

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