

2004 LWW Annual Meeting Stream Quality Program Report

2004 was a BANER YEAR for the LWC Stream Quality Program. Stream monitoring sampled on 46 occasions accomplishing 42 benthic macroinvertebrate and 25 habitat assessments. **Forty-eight different monitors** were involved, and a record **27 stations** were assessed. This includes collaborating with four members of the former North Fork Goose Creek Watershed Committee to assess three of their stations and three new stations they are monitoring.

Other highlights:

- Monitoring sites twice yearly rather than four times seems to be working well. Monitors were able to assess 27 sites compared to the 11 sites assessed in 2003. This included several new sites in the Catoctin Creek watershed that will help LWC assess progress on restoring water quality in this watershed.
- LWC submitted a draft **Quality Assurance Program Plan (QAPP)** as requested by DEQ. DEQ is trying to standardize citizen monitoring throughout the state in order to improve the validity of citizen data. LWC is awaiting comments from DEQ before finalizing this document.
- LWC volunteers (Ellie and Phil Daley, Fred Fox, and Chris and Darrell Schwalm) cleaned-up, installed shelves, organized the equipment, and fixed the door of the stream monitoring storage room at the Rust Sanctuary. Fred Fox donated a desk. The storage area LOOKS GREAT!
- LWC and Loudoun Watershed Watch (LWW) received a new stream monitoring grant from DEQ for 2005 in the amount of \$4200. The project managers are Fred Fox and Darrell Schwalm. Most of the grant money will support education and monitoring initiatives related to TMDL implementation in the Catoctin Creek watershed. A second grant of \$6600 was received from Virginia that will allow LWC and LWW to continue these initiatives in 2006.
- LWC (Fred Fox) purchased some new monitoring equipment in 2004 with DEQ grant funds including a turbidity tube to measure suspended sediment in the water column. Additional purchases of chemical and bacteriological equipment is planned so LWC can expand their monitoring parameters at some stations in the Catoctin Creek watershed in 2005.



OttoGutenson's team monitoring Milltown Creek after flooding knocked down trees and moved a footbridge.



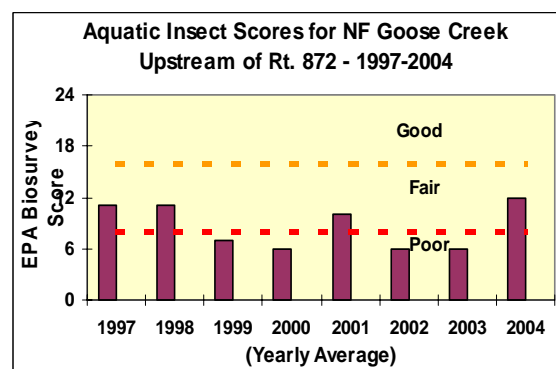
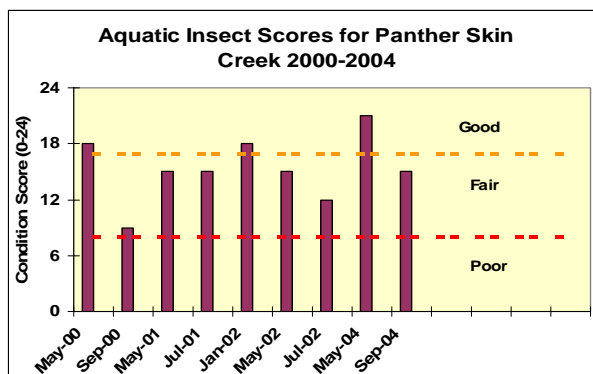
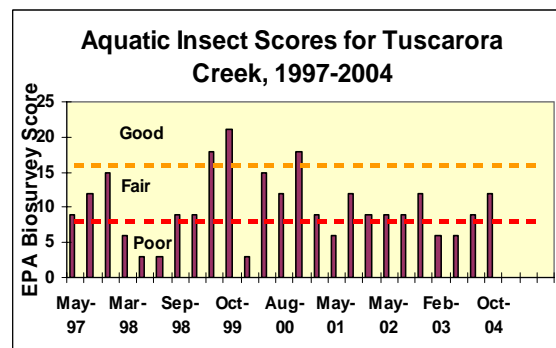
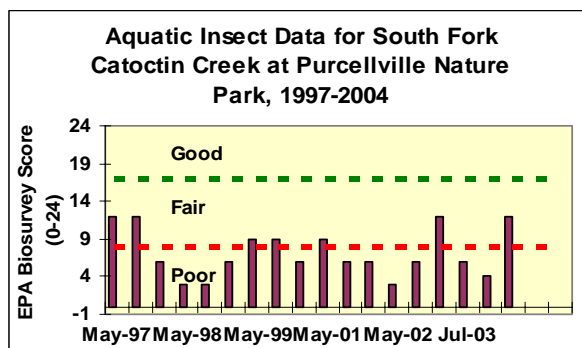
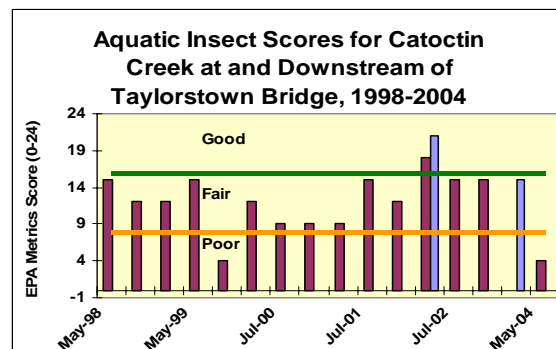
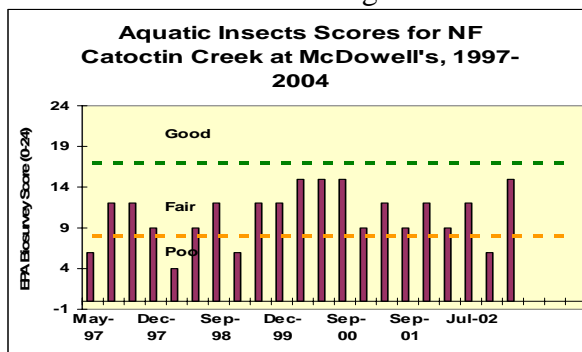
Margaret Jones' monitoring team, plus kids, at their North Fork Goose Creek site.

Stream Monitoring Findings for 2005:

- The stream monitoring data are currently being used to update profiles on each watershed. The first updated profile on the Catoctin Creek watershed is available on the LWW website at www.loudounwatershedwatch.org.
- These data are also being used to develop additional educational brochures about the need for citizen stewardship to protect and restore our stream resources in Loudoun County.
- Stream monitoring results for some key stations are shown in the following tables:



Cliff Fairweather conducting an ANS training class along Sycolin Creek



Program Needs for 2005:

- LWC continues to need a Stream Quality Program Coordinator in order to provide better communication, team building, recruitment of monitoring volunteers, and collaboration with the Loudoun Soil and Water Conservation District and Loudoun Environmental Health.
- LWC needs a Bacteria Monitoring Coordinator to lead a new bacteriological, water quality monitoring program in the Catoctin Creek watershed to help assess accomplishments of the Catoctin Creek Total Maximum Daily Load (TMDL) Implementation Plan adopted by the Virginia Department of Conservation and Recreation (DCR). LWC also needs to recruit and train monitors for this initiative.
- LWC needs to establish additional stream monitoring teams and assign some existing teams additional stations in order to continue monitoring the new stations in Catoctin watershed.
- LWC needs to train additional team leaders to do the habitat assessment. In 2004 one person did about 90% of the assessments.

List of Volunteer Monitors for 2004:

Rob Ballenger	Terri Glass	Steve, Sr. Moulton
Jennette Baugham	Bill Gordon	Steve, Jr. Moulton
Robert Bidwell	Otto Gutenson	Carmelia Neville
Gem Bingol	Margaret Jeffries	Keith Nusbaum
Stephen Budiansky	John Jones	Rebecca Orcutt
Amanda Burdt	Margaret Jones	Toni Pepin
Emily Bzdyk	Anne Larson	Robert Perantoni
Kerry Bzdyk	Kristi Larson	Darrell Schwalm
Phil Bzdyk	Peter Larson	Alex Seebeck
Ellie Daley	Barbara Lupfer	Bill Seebeck
Phil Daley	Robert Lyon	Bruce Swanson
TJ Daley	Bob Lyons	Craig Turner
Helen DeGroot	Karin MacDowell	Suzanne Wade
Jay Eberly	Robert MacDowell	Carol Ward
Scott Findley	Kate Marincic	David Ward
Fred Fox	Jeanna Moszak	Larry Wilkinson
		Carrie Williams