



Sustainability is in everyone's interest - Increasing stakeholder involvement

Multi-State Working Group

Regional Meeting

January 23-24, 2006

Columbus, Ohio

Jen Bowman, The Institute for Local Government Administration
and Rural Development (ILGARD) Ohio University's Voinovich
Center



Who are stakeholders?

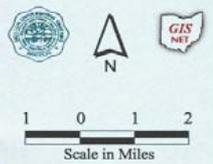
- Local watershed residents
- Local officials
- State and Federal agency partners
- Students/interns
- Faculty/Colleges
- Businesses
- Etc...



- Located South East Ohio - Athens, Perry, and Morgan Counties
- Tributary to the Hocking River
- Rural watershed, 78% forested
- Extensive abandoned coal mine lands resulting in AMD

Map Features

	Watershed
	Rivers/Major Streams
	Minor Streams
	Roads
	Incorporated Areas



Map created by J.B. Hoy, ILGARD, Ohio University.
For planning purposes only. Not for legal use. June 14, 1999



Sunday Creek Watershed Group History

- 1999 - Local watershed group formed
- 2000 - OEPA 319 NPS planning grant awarded
- 2001 - Watershed Coordinator hired



Committee groups

- Erosion and sedimentation
- Illegal trash dumping and sewage
- Acid mine drainage (AMD), gob piles, and subsidence holes
- Education and public outreach



Erosion and Sedimentation Committee



Livestock in streams

Loss of habitat

Stream bank erosion



Illegal Dumping and Wastewater Committee



Trash in streams

Illegal trash dumps

Improperly treated
sewage



Acid Mine Drainage Committee



Coal mine drainage

Subsidence Holes

Gob piles

Education Committee



✓ Sunday Creek Watershed Group ✓
Newsletter

Winter 2001

WHY THERE IS A SUNDAY CREEK WATERSHED GROUP!
by Jim Hart

Asked to look back and write an article about how our Sunday Creek Watershed Group began, I find that the simplest response is this: It Must Have Been The Right Time! In the fall of 1999, as owner of land on Dotson Creek in southern Perry County, I was attempting to put together a list of folks to invite to an organizational meeting to get a sense of local concerns. I learned that Broc Irwin, Trimble Township Trustee, and former Athens County Commissioner, was organizing the same type of meeting. After a couple of phone calls, we agreed it made much better sense to have one big meeting than two little ones, so our first meeting was held at the Trimble High School Library. We had over twenty folks attend that initial get-together.

Sunday Creek begins its flow around Tatman's Gap, Sulfer Springs Road, and the Santoy area on the northern end, and flows through Hemlock, Oldfield, Coming, Burr Oak Lake, Gloucester, Jacksonville, Trimble all the way to Chauncey where it joins the mighty Hock-Hocking River near the old Athens County Home property. To ensure involvement from all regions of the watershed, we invited people from all the communities and from Athens, Perry and Morgan Counties. Since then, new faces have joined the group, mostly by word of mouth. We still can expect 20-30 people. More would be nice, so if you're interested please join us! We try to keep the business part of the meetings short, and attempt to have interesting speakers or presentations to educate ourselves about watershed-related issues.

As to the Why, our group of interested citizens is defining that as we go along. Over the past twelve months, we have discussed what we would like to accomplish, we have established a mission statement for the group, elected some officers, developed some committees, and are now working on short term goals. Boring? Not at all! We now have folks work-

(continued page 2)

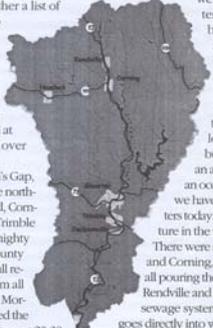
GROWING UP ON SUNDAY CREEK
by Bobbi Kildard

I was born and reared on a farm two miles south of Coming. Our home was about 100 feet from the middle branch of Sunday Creek, and although our home never flooded, it was around and under our home at least twice a year, leaving stinking mucky slime every where. After the floods cleared away for a few days our creek would run blue, and we would see some fish in the clear waters. Just a quarter mile above us a branch called Fisher Creek, which had and still has mostly pure water, flowed in and mixed with the main creek. We always went fishing there.

But wait. Within about a week, our creek ran orange. If there was a little twig beneath the water, it soon looked to be an inch or so around, but when you touched it, it was only an accumulation of orange fuzz. No fish, an occasional frog, maybe a turtle-what did we have and what still flows in the same waters today. Death, sure death to any living creature in the water.

There were several large coal mines, at Rendville and Coming, and 26 mine just south of Coming, all pouring their deadly toxins into the water. Plus Rendville and Coming have never had any kind of sewage system. Hence every bit of human waste goes directly into what we call s-t creek.

Want to help? Start coming to our meetings and get involved. Many hands make the load lighter. It will be a slow process, and take many years, but at least we are tackling the problem.



Sunday Creek Watershed Group
69 High Street
Gloucester, OH 45732
Tel: 740-767-2225

Teach in local schools

Watershed
tours

Flyers and
brochures



Funding received

- 2001 - OEPA SEP grant awarded
- 2002 - Appalachian Clean Streams Initiative (ACSI) grant
- 2002 - OEPA 319 NPS implementation grant
- 2002 – ODNR-MRM Corning Mine Pool Research Project and AMDAT plan
- 2004 - OEPA 319 NPS implementation grant



Subsidence closures

Pine Run Project



OEPA 319 2002 grant
~\$175,000 for construction

Congo Run Project



ACSI 2002 grant
~\$35,000 for construction

Water Quality Monitoring





Corning Park

- Tree planting
- Stream bank stabilization
- Acid mine drainage research



Buckeye Trail

- SCWG maintains a 7-mile section along the Buckeye Trail





Illegal Trash Dump Clean-up



- OEPA SEP grant
\$10,360
- Township Trustees,
Health department,
Recycling and litter
prevention, Wayne
National Forest,
Volunteers

Tree planting



- Local landowner provided trees
- SCWVG provided volunteers

Stream bank stabilization



- Local resident and watershed member was concerned about erosion on his land
- 250 Black Willow posts planted along the bank of Indian Run

Volunteer monitoring program



- Miller High School
- Students built staff gauges
- Weekly water quality monitoring
- Rain and temperature gauges at home and school

Fish painting panel project



- SPICY YAM (youth art group), local citizens, SCWG group
- Paint all 43 fish species on ceiling
- Created Fishes of Sunday Creek Book
- Created a Fishes of Sunday Creek Calendar



Education outreach programs





Sunday Creek Watershed Day Camps



Glouster

Corning



Chauncey





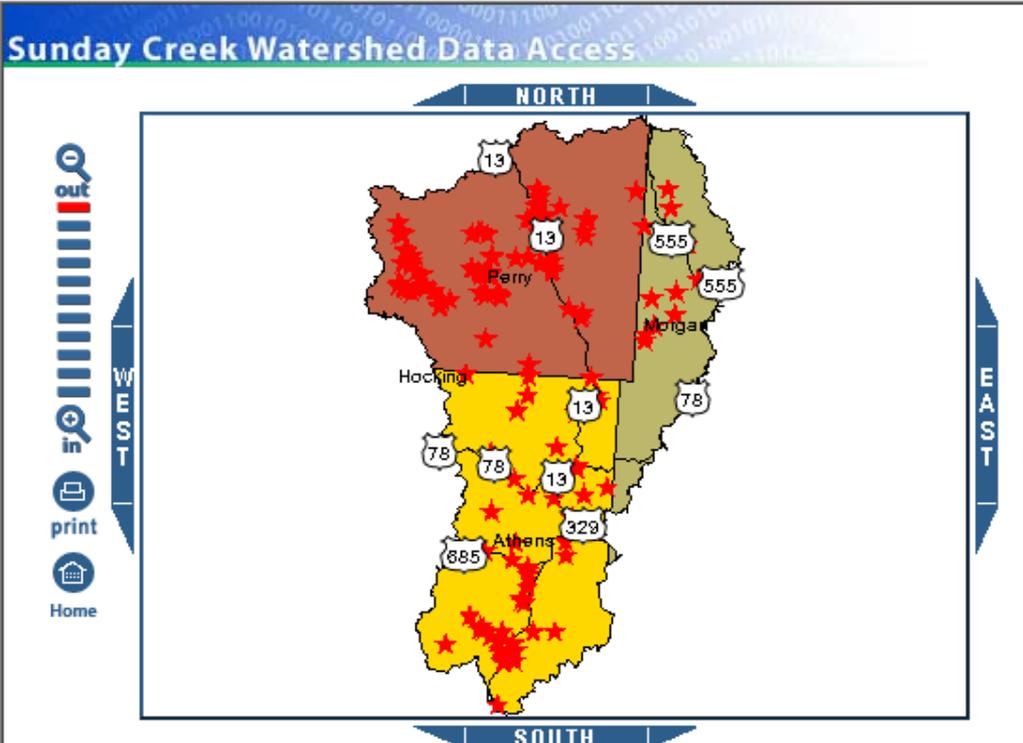
6 keys components to increase stakeholder involvement

- 1 Local Leader
- 2 Funded Coordinator
- 3 Project Money
- 4 Quick Results
- 5 Media/outreach
- 6 People (core watershed group)



Transition to ILGARD

- Provide tools and technical expertise to watershed groups
 - On-line ArcIMS database
 - GIS mapping
 - Research
 - “Field Methods for Watershed Characterization” Trainings
 - Project evaluation



[Sign In](#)

X: Y:

Zoom In Re-center Select Sample Point

Data Download Select Sub Watersheds Select Sample Point

[SundayDB Download \(Access\)](#)

[Biological Download \(Excel\)](#)

[Chemical Download \(Excel\)](#)

<Select All>
Big Bailey
Sunday Creek (mainstem)
Carr Bailey
Cedar Run

Submit

Online database access help file

- [Map features](#)
- [Viewing date](#)
- [Entering a new data point](#)
- [Add new data to an existing data point](#)
- [Delete data at an existing data point](#)
- [Edit existing data table](#)
- [Download databases](#)
- [Print Map](#)
- [Technical assistance information](#)

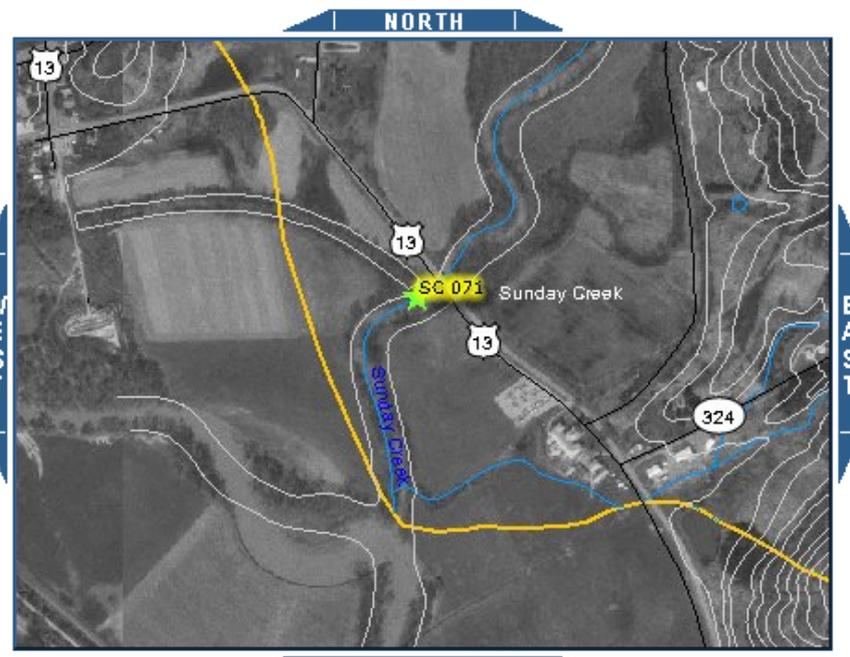
Map features

The watershed map displays features such as roads, creeks, subwatershed boundaries, aerial photographs, contour lines, sample points, etc.... As the map is zoomed-in for more detail, features such as contour lines and aerial photographs will appear. Simple directional tools exist on four sides of the map: north, south, east, and west. Click on these buttons to move the view in that general direction. To quickly zoom-in and zoom-out of the area there is a weighted scale bar located in the left side of the map.

There are three radio selectable button options for quick navigation, these include:

1. **Zoom in** - Either single click on the map to zoom in one step at a time or click and drag a box in the area you want the map to zoom to.
2. **Re-center** - Click on the map and that point will become the center of the map view.

Sunday Creek Watershed Data Access



- Home
- print
-
-
-

[Sign In](#)
 X: 2073440.9091 Y: 509426.9091 Legend
 Zoom In Re-center Select Sample Point

Data Download Select Sub Watersheds Select Sample Point

[SundayDB Download \(Access\)](#)
[Biological Download \(Excel\)](#)
[Chemical Download \(Excel\)](#)

<Select All>	SC 071
Big Bailey	SC 072
Sunday Creek (mainstem)	SC 073
Carr Bailey	SC 074
Cedar Run	SC 075

Features Identified

X 2075150.25
 Y 508235.53125
Site ID SC 071
Site Mouth of Sunday Creek @ RM 0.2 dst. St. Rt. 13
Description bridge (near dog shelter)
[<< Back](#)

View Database Feature

* = Required Field

Type of Site	Stream
Treatment Type	NA
Sample Date* <small>(mm/dd/yyyy)</small>	4/20/2005
Data Purpose	Long Term Monitoring
Data Source	ODNR Cambridge Lab
Funding Source	ODNR-MRM
Field Researcher	Cara Hardesty
Credibility	NA
Sample ID	702
Temperature (C)	17.8
Discharge (cfs)	47.7
Acidity Lab (mg/l)	12.5
Acidity Field (mg/l)	NA



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Jen Bowman -outline

- Sunday Creek Watershed background
- Starting up
- Activities to keep momentum and increase partners
- 6 key components to increase stakeholder involvement
- ILGARD tools (ArcIMS on-line database, mapping, “Field Methods” training, research, evaluation)