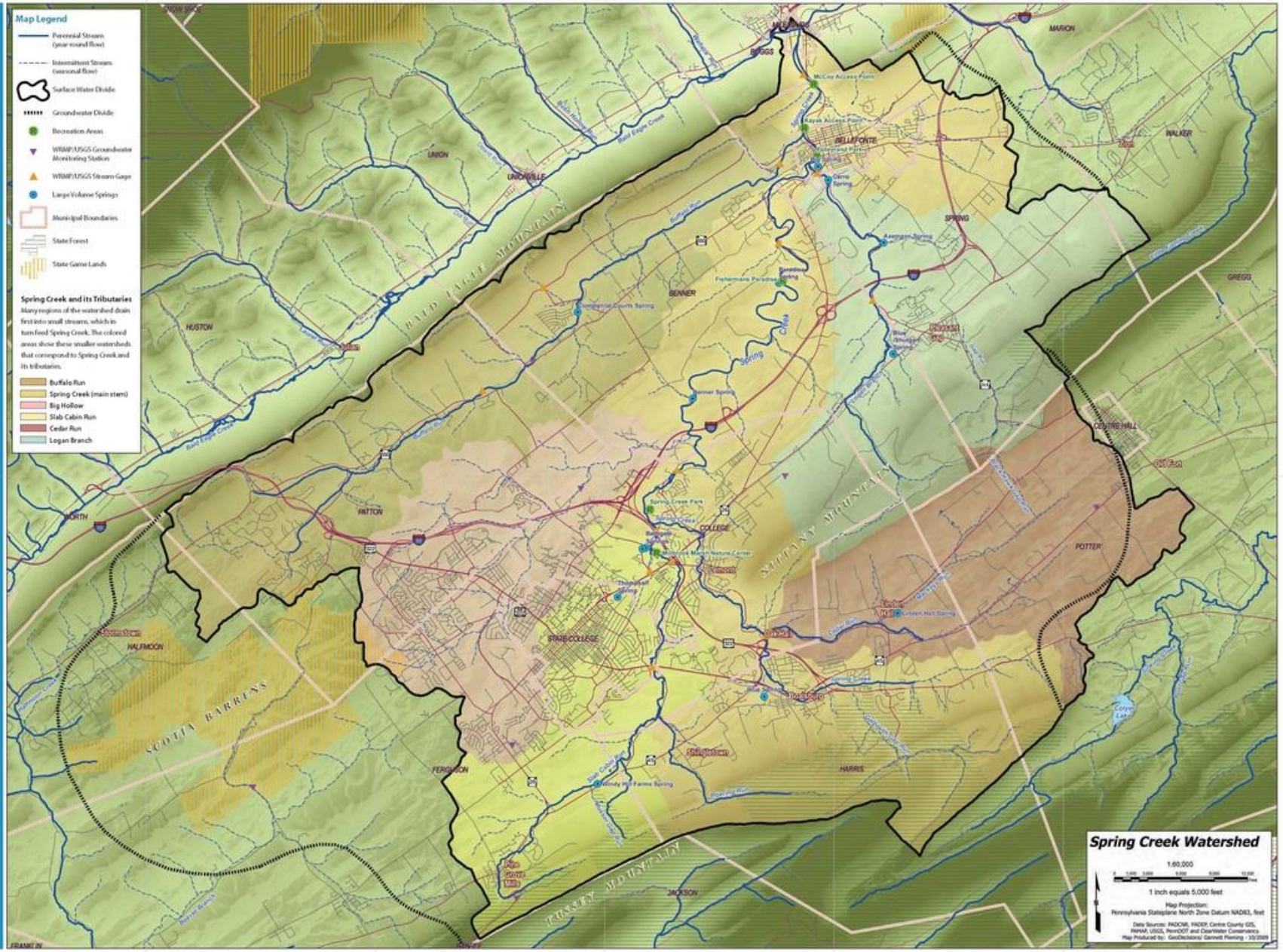
Welcome to the Spring Creek Watershed Action Plan- Phase 2

Our Challenges and Solutions for the Future- A One Water Approach

Spring Creek Watershed Commission

Founded 1996

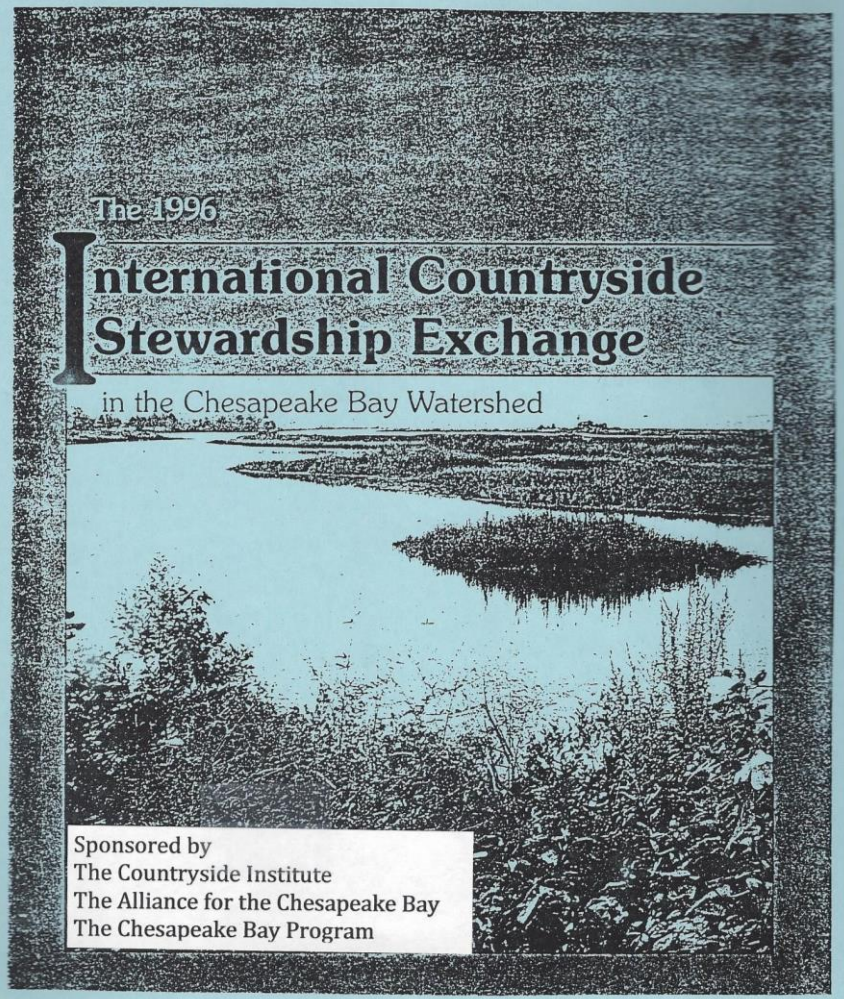
THE SPRING CREEK WATERSHED



The International Countryside Stewards Exchange program was held in September 1996.

- This event was organized by ClearWater Conservancy, the Spring Creek Watershed Community, and a large group of stakeholders
- Watershed tour
- Public events
- Final Report

Since that time an incredible number of projects have been undertaken to preserve the quality of the watershed and the quality of life that we enjoy in our region.



The Spring Creek Watershed Commission was founded in October 1996 following the International Exchange:

Member Municipalities

- Bellefonte Borough
- Benner Township
- College Township
- Ferguson Township
- Halfmoon Township
- Harris Township
- Milesburg Borough
- Patton Township
- Potter Township
- Spring Township
- State College Borough
- Walker Township.

Mission Statement

- To establish a long-range **vision** for the watershed that represents a consensus of thoughts and ideals that are commonly shared by the people of the Spring Creek Watershed.

- To establish a **leadership role** within the watershed to advance and coordinate projects and programs that are consistent with the long-range vision of the Spring Creek Watershed.

- To develop a long-range comprehensive **Watershed Management Plan** and a program of meaningful associated projects to protect and enhance the quality of life within the Spring Creek Watershed.

Watershed Commission Highlights

Organization

- October 1996, Spring Creek Watershed Commission Created
- January 1997, Established Mission Statement
- February 1997, Established Priorities for Watershed
- November 2008, Spring Creek Watershed Agreement signed by 13 municipalities provided by the Intergovernmental Cooperation Act

Reports and Projects

- 1997, Bald Eagle and Nittany Valleys Greenway
- 1997, I-99 Community Partnership for Sustainable Development
- 1997 – 1998, Chesapeake Bay Partner Communities
- 1997 – 1998, Watershed Educational Signs in Parks
- 1997, Water Resource Monitoring Project
- 1997, Springs and Sinks Spring Creek Watershed Newsletter
- 1998, Site Planning Demonstration Site
- 1998, TEA-21 Application for I-99 Support
- 2009, The Wellhead & Bore Hole Ordinance

Awards

- Spring 2000, Governor's Award for Local Government Excellence.
- 2001, Spring Creek Watershed Community Governor's Award
- 2003, Spring Creek Watershed Plan Phase 1 Final Report
- 2007, Spring Creek Watershed Commission Municipal Agreements

Stormwater Management

- Spring 1997 – 2000, Stormwater Management Plan
- Fall 1997 – Spring 1998, Stormwater Public Forums
- 2005, Lead organization in development of Centre County Act 167 - Stormwater Management Plan
- 2014, Backyard Stormwater Management Brochure

Twentieth Anniversary Celebration

Spring Creek Watershed Commission and partners

October 2016

100 Community Accomplishments

This Atlas Project is a public outreach and educational service of the Spring Creek Watershed Commission.

Project Motivation:

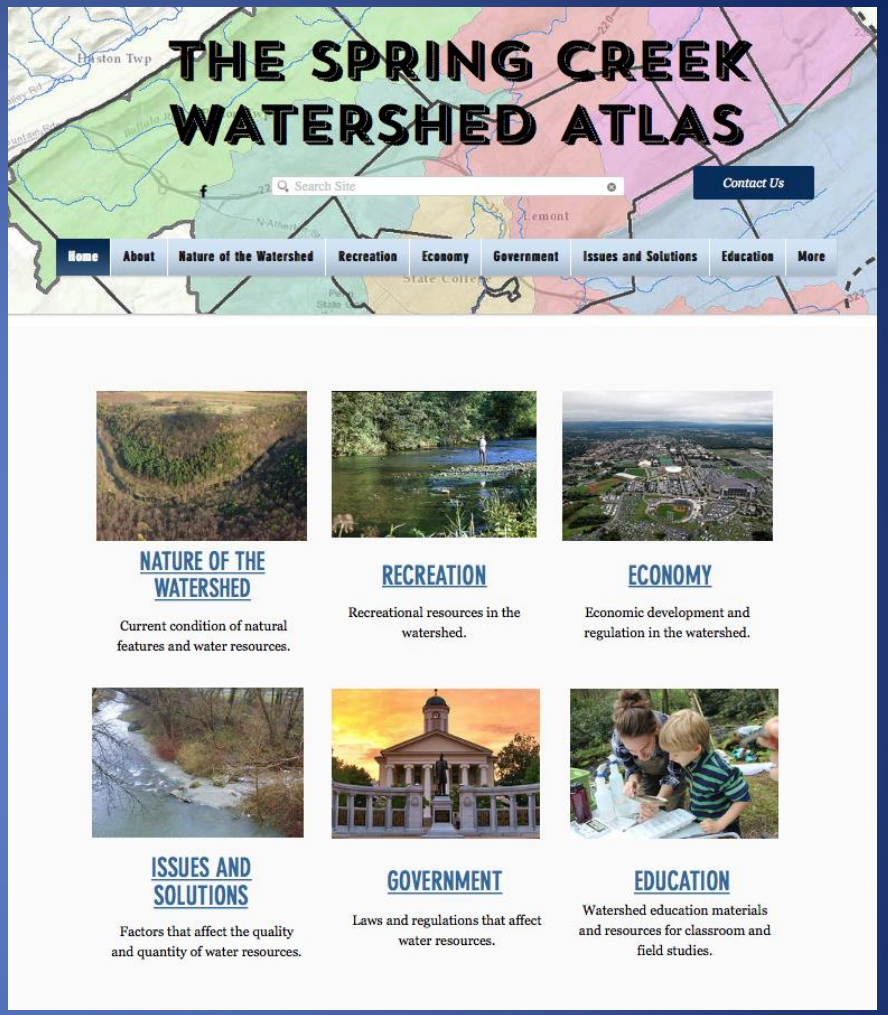
- Population growth and economic development
- Stress on the quality and quantity of water resources
- Loss of natural areas and animal habitats
- Reduction in recreational opportunities, and a general decline in the quality of life that we now enjoy.

Objectives:

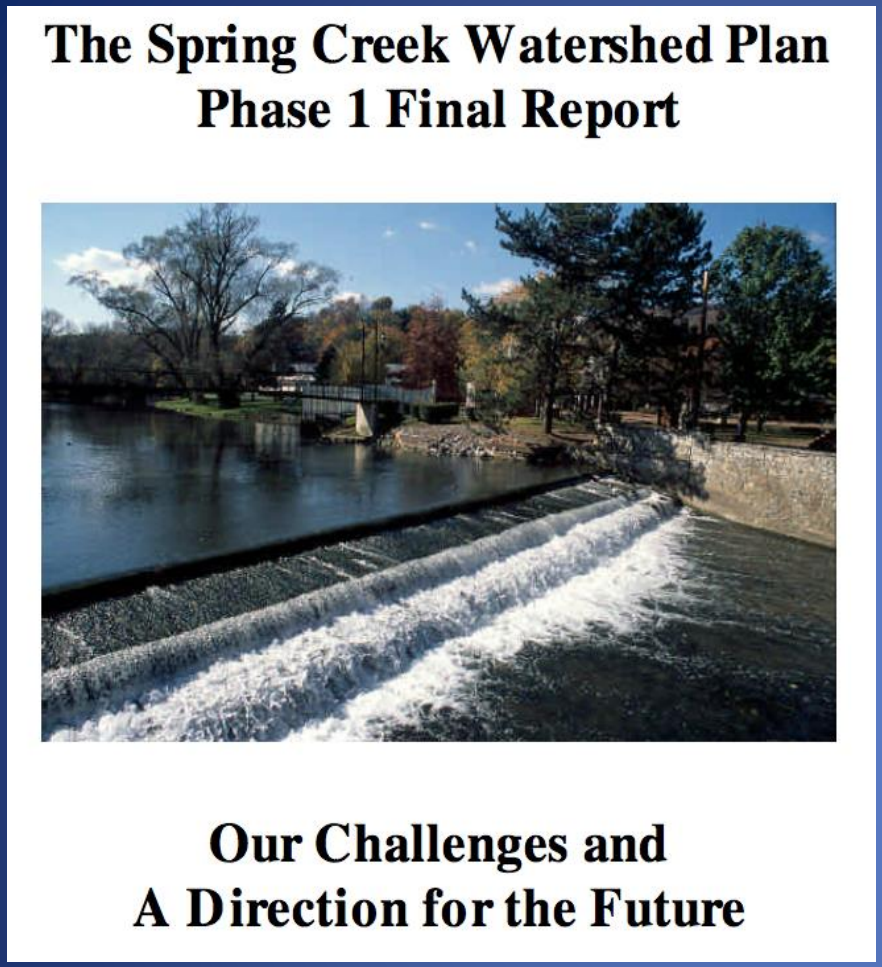
- Make diverse forms of information more readily accessible
- Better informed citizens

The Spring Creek Watershed Atlas establishes a one-stop shop to provide an interactive, accurate, up-to-date, watershed resource to engage the public and aid governments, education, community organizations, developers, local businesses and homeowners in making educated decisions about reducing their impact in their local watershed.

www.springcreekwatershedatlas.org



Thanks to the vision of Barbara Fisher and the initiative of a workgroup of volunteers including Barbara and Bob Donaldson, Bob Carline, Bob Eberhart, Todd Giddings, Bill Sharp, Bob Vierck, Betsie Blumberg, Paul Bartley, Michele Halsell and Judi Sittler.



A project of the Spring Creek Watershed Commission. Published 2003

Objective: to distill numerous existing plans, research, and data into a clear and concise statement of the challenges facing the watershed and recommend ways that its citizens can meet these challenge in the future."

The four major components include:

- Surface water: Natural drainages and engineered drainages.
- Groundwater: Recharge and discharge related to a karst environment.
- Water supply: Understanding the implications maintaining clean and plentiful drinking water and the challenges of wastewater treatment.
- Land Use decisions effect the potential quality of our water resources.

Spring Creek Watershed Forum
April 18

- Facilitated by Penn State Law Students Mediation of Environmental and Public Conflicts Class.
- Penn State Sustainable Communities *"Place Speak"* online platform for input.
- Over 100 people participate.
- Final report to be released.

Forum Major Themes

- OVERALL WATERSHED CONSIDERATIONS – 17 ISSUES
- GROWTH, DEVELOPMENT, EXISTING & NEW IMPACTS
- INFRASTRUCTURE
- TOURISM AND RECREATION
- AGRICULTURE
- DINKING WATER
- WASTEWATER
- MINING
- TRANSPORTATION
- PENN STATE UNIVERSITY

Spring Creek Watershed Action Plan Phase 2
Thank You Funding Partners!

Government/Authorities	
University Area Joint Authority	State College Borough Water Authority
College Township Water Authority	Bellefonte Water & Sewer Authority
Spring-Benner- Walker Joint Authority	Pennsylvania State University
Spring Township Authority	
CBO/Non Profits	
Clearwater Conservancy (In Kind)	Spring Creek Chapter Trout Unlimited
Center County Chamber of Business and Industry	
Corporate	
Cocoa Cola Company	Lehigh Hanson Aggregates

One Water Approach

- Considers the water cycle as an integrated system, recognizing the interconnectedness of surface water and groundwater supply, stormwater, wastewater, and energy.
- Breaks down silos of how current water is managed.
- Creates collaboration among water utilities, community and business leaders, industry, policy makers, academics, environmental advocates and conservationists.
- While the **focus is WATER** the goals are thriving local economies, community vitality and healthy ecosystems.

From nature to tap, from farms to food, from toilet back to river, there is just one water cycle.

One Water Framework

Not All One Water Plans Look The Same

Reliable and Resilient Water Utilities	Utilizing green infrastructure for multiple benefits	Philadelphia's Green City - Clean Waters
Thriving Cities	Adopting a dig once approach to leverage infrastructure investments	Spokane, WA looks above and below ground
Competitive Business and Industry	Fully integrated water stewardship and company strategy	Coca-Cola system returned back to nature the equivalent of 115 percent of the water used in its finished beverages
Sustainable Agriculture	Using watershed scale planning and monitoring	Madison, WI uses Adaptive Management to target phosphorus runoff
Social and Economic Inclusion	Building a water safety net	Detroit Water and Sewage low income assistance program
Healthy Waterways	Managing groundwater for the future	Tucson,AZ reuses recycled wastewater for groundwater recharge.

One Water Planning Process

What Will Be Accomplished

Outcome Options

- One Water Plan or Integrated Water Management Plan.
- A framework (i.e., a document describing how best to leverage existing plans).
- A simple scope defining a prioritized set of initiatives to achieve goals and objectives.

Partnership Commitment

What's Expected of SCWC

- Listening attentively and with an open mind.
- Ensuring transparency in sharing information.
- Respecting ideas and perspectives.
- Keeping good records of discussion and input.
- Providing information in a timely manner (whether at the workshop or as a follow-up).
- Continue to engage the partnership to implement the plan.

What's Expected from You

- Contribute to make the group's time together productive.
- Respect the ideas and perspective of others. Give everyone a chance to speak. Don't interrupt.
- Listen attentively and with an open mind.
- Maintain focus on the topic currently under discussion.
- Avoid repeating issues that have already been raised or recorded.
- Consistent participation and engagement is critical.
- Commit to attend meetings and other sessions as often as possible.

Future Meetings

- Meetings will be consecutive Thursdays at the Patton Township Municipal Building
- The number on you name tag is your sub committee you will serve on.
- Each subgroup will meet 4 times. (ie, group 1- & 2 Thursday 7/ 19; group 3&4 Thursday 7/26)
- There will be a community forum repeated twice to present the plan.

Breakout Session Questions

- Vision – If you could reimagine the Spring Creek Watershed what would it look like?

  (20 minute roundtable)

- What actions do we take to achieve this vision?

  (20 minute roundtable)


Questions