The background is a light blue gradient with several realistic water droplets and bubbles of various sizes scattered across it. Some are at the top, some at the bottom, and some in the middle. They have highlights and shadows, giving them a 3D appearance.

BLAIR COUNTY CONSERVATION DISTRICT AND THE “BLAIR COUNTY MS4 WORKGROUP”

SUCCESS THROUGH COLLABORATION

WHERE IS BLAIR COUNTY?



BLAIR COUNTY IS SITUATED IN CENTRAL PA WITH A LAND MASS OF 340,000 ACRES AND A POPULATION OF 126,000. WE ARE COMPRISED OF 15 TOWNSHIPS, 8 BOROUGHES AND ONE CITY, EACH WITH THEIR OWN SET OF RULES AND ORDINANCES.



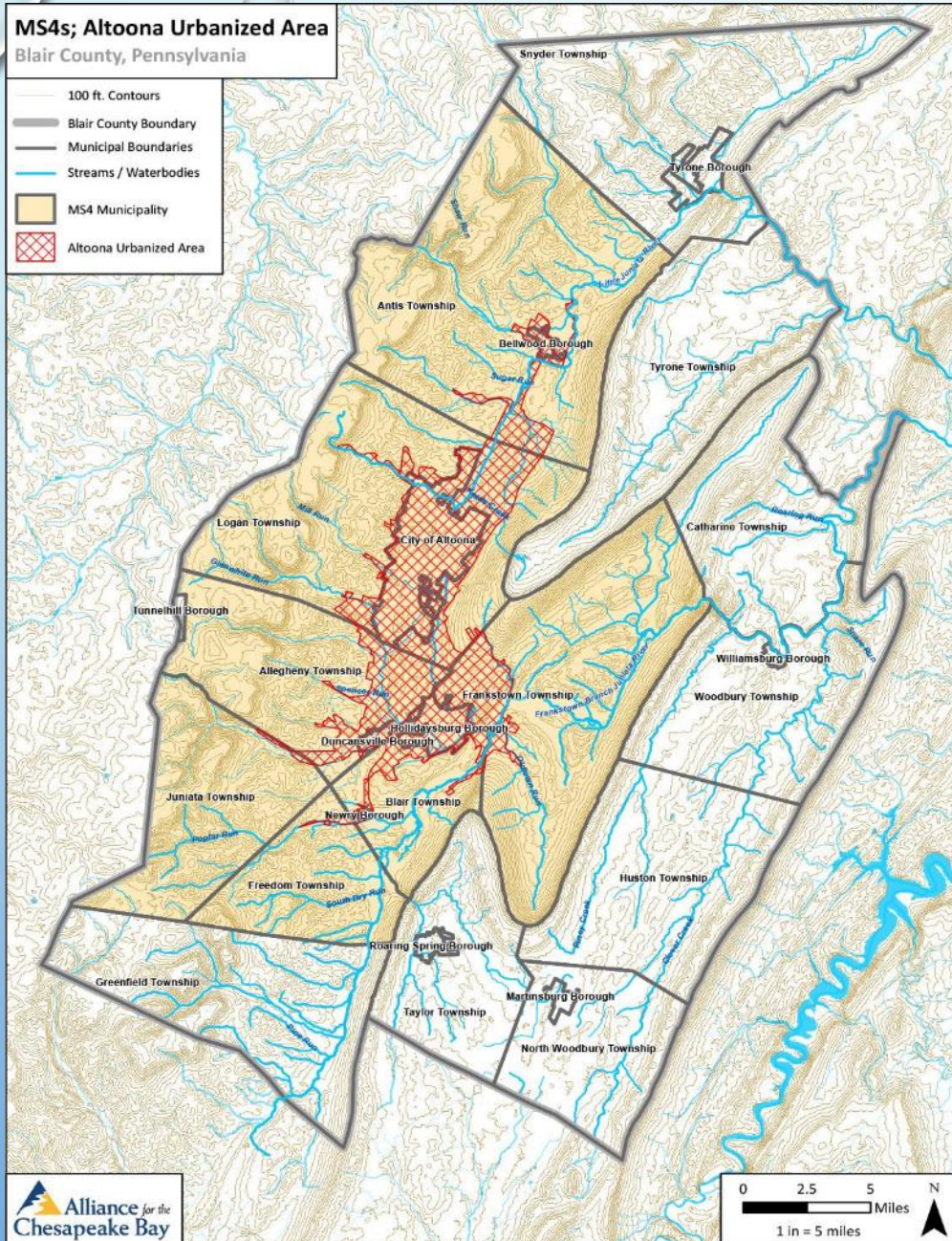
STORMWATER REGULATIONS AND THE MS4 PROGRAM IN PA

- MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PROGRAM WAS LAUNCHED IN 1990 WITH PHASE II FOLLOWING IN 1999 WHEREBY SMALLER URBANIZED AREAS ARE REQUIRED TO ATTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
- MS4 AREAS ARE BASED ON CENSUS DATA AND CATEGORIZED AS “URBANIZED AREAS”
- THE FIRST NPDES PERMIT CYCLE FOR PHASE II WAS ISSUED BY THE PA, DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) BEGINNING ON MARCH 10, 2003

STORMWATER REGULATIONS AND THE MS4 PROGRAM IN PA

MINIMUM CONTROL MEASURES (MCM) ARE PART OF EACH PERMIT

- MCM#1 – PUBLIC EDUCATION AND OUTREACH
- MCM#2 – PUBLIC PARTICIPATION AND INVOLVEMENT
- MCM#3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION
- MCM#4 – CONSTRUCTION SITE RUNOFF CONTROL
- MCM#5 – POST-CONSTRUCTION RUNOFF CONTROL
- MCM#6 – POLLUTION PREVENTION AND GOOD HOUSEKEEPING



BLAIR COUNTY MS4 AREA

PORTIONS OF
7 TOWNSHIPS
4 BOROUGHS
1 CITY AND THE
COUNTY OF BLAIR

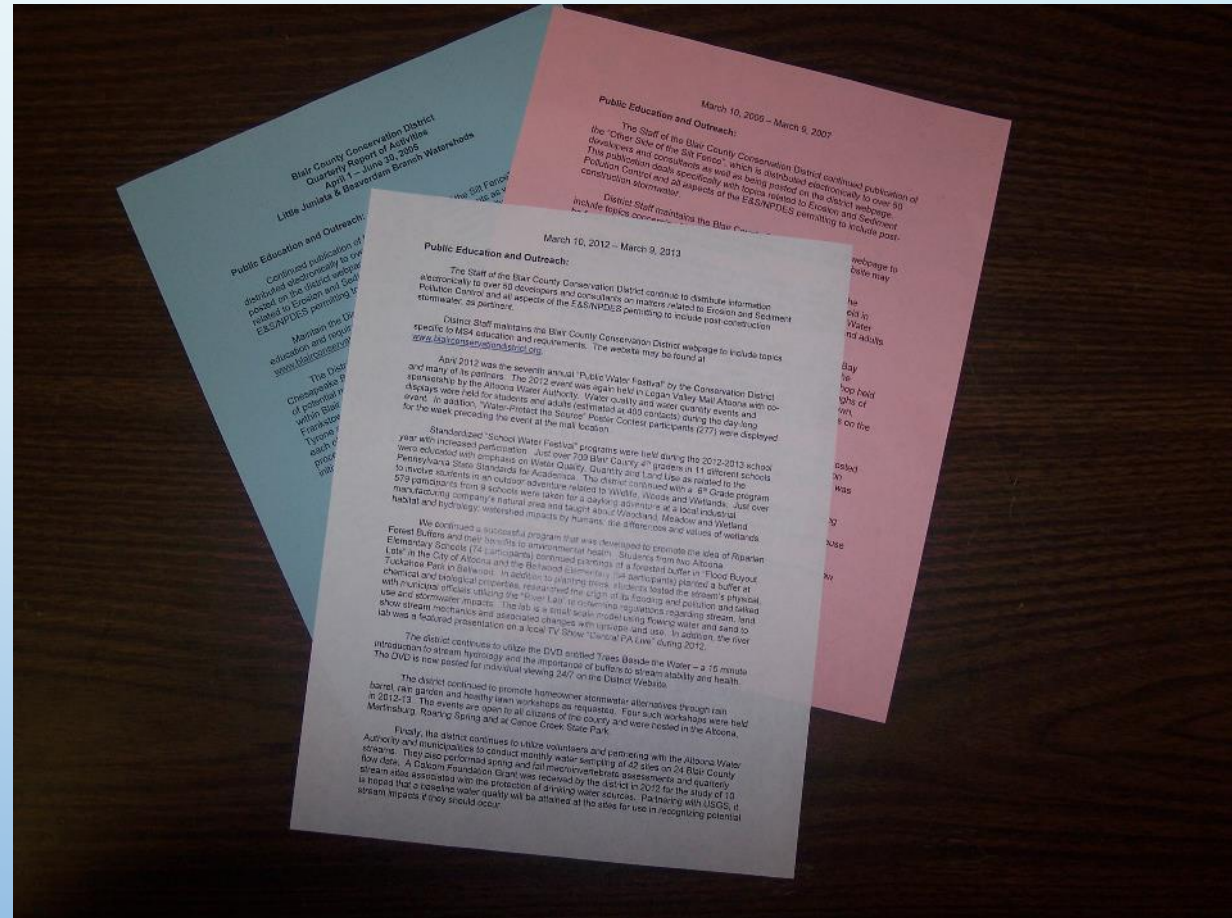
EARLY DUTIES UNDERTAKEN BY THE DISTRICT

THE BLAIR COUNTY
CONSERVATION DISTRICT
BEGAN ASSISTING
MUNICIPALITIES SHORTLY AFTER
THE FIRST PERMIT CYCLE
BEGAN BY MAPPING AND
PROVIDING GIS DATA FOR
EACH IDENTIFIED OUTFALL
OWNED BY THE MUNICIPALITY
WITHIN THE MS4 AREA



EARLY DUTIES UNDERTAKEN BY THE DISTRICT

BEGAN COMPILING ANNUAL
REPORTS OF DISTRICT ACTIVITIES
THAT COULD COUNTED BY
MUNICIPALITIES TOWARD THEIR
PUBLIC OUTREACH AND
EDUCATION GOALS UNDER
MINIMUM CONTROL MEASURES
(MCM) #1 AND #2



EARLY DUTIES UNDERTAKEN BY THE DISTRICT

DEMONSTRATION PROJECT IMPLEMENTATION

- 16,300 SQ FT PERVIOUS
PARKING LOT INSTALLATION
WITH THE ASSISTANCE OF
COMMUNITY VOLUNTEERS
- HOLLIDAYSBURG BOROUGH,
KELLER ENGINEERS, INC AND
ACF ENVIRONMENTAL
- MCM #1 AND #2



EARLY DUTIES UNDERTAKEN BY THE DISTRICT

EROSION AND SEDIMENT CONTROL AND POST-CONSTRUCTION STORMWATER

- THE DISTRICT IS DELEGATED BY PA DEP TO ADMINISTER THE NPDES PERMITS FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES
- ALL PERMIT CORRESPONDENCE AND INSPECTIONS REPORTS ARE COPIED TO THE MUNICIPALITY
- MCM #4 AND #5



FORMATION OF THE BLAIR COUNTY MS4 WORKGROUP

- IN APRIL OF 2010 – THE EPA PERFORMED FILE REVIEWS FOR MOST OF THE MS4'S IN PA DEP'S SOUTHCENTRAL REGION (TO INCLUDE BLAIR COUNTY) AND ISSUED NUMEROUS DEFICIENCY ORDERS
- STARTING IN MARCH OF 2012 THE FIRST MEETING OF THE BLAIR COUNTY MS4 WORKGROUP WAS HELD TO SHARE MUNICIPAL RESOURCES AS PART OF THEIR PERMIT RENEWAL APPLICATION THAT WAS DUE IN SEPTEMBER 2012
- EACH MUNICIPALITY WITHIN BLAIR COUNTY CHOSE TO SUBMIT AND MAINTAIN THEIR OWN NPDES PERMIT

WHAT WILL BE SHARED

- TASKS RELATED TO PUBLIC EDUCATION AND OUTREACH (MCM#1); PUBLIC PARTICIPATION AND INVOLVEMENT (MCM#2) WILL BE COORDINATED AND SHARED
- TASKS RELATED TO CONSERVATION DISTRICT ACTIVITIES REGARDING EROSION AND SEDIMENT CONTROL AND POST CONSTRUCTION STORMWATER WILL BE TRACKED AND REPORTED (MCM# 4 AND #5)
- DEVELOP MULTI-MUNICIPAL TRAININGS RELATED TO POLLUTION PREVENTION AND GOOD HOUSEKEEPING AT MUNICIPAL FACILITIES (MCM#6)

MOU DEVELOPED

THE DISTRICT DEVELOPED A
STANDARDIZED MOU WITH THE
ASSISTANCE OF THE MS4
WORKGROUP AND MUNICIPAL
SOLICITORS TO CLEARLY
COMMUNICATE AND COMMIT
TO DUTIES BY AND BETWEEN
ALL PARTIES

MEMORANDUM OF UNDERSTANDING Between the

Blair County Conservation District
(hereinafter sometimes referred to as “District”)
And

(hereinafter sometimes referred to as “Municipality”)

STATEMENT OF PURPOSE

This Memorandum made and executed this _____ day of _____, 2014, has been prepared jointly and agreed upon by each party, the same parties intending to be legally bound hereby, for the following purposes to the extent applicable:

To serve as a joint commitment by the signatory parties to control accelerated erosion and to minimize sediment pollution to the waters of the Commonwealth which may result from the conduct of earthmoving activities in _____ (name of municipality).

To serve as a basis for stating the role of each party in administering the provisions of (name of municipality)’s Erosion and Sediment Control Ordinance or Ordinance which contains Erosion and Sediment Control Provisions: Ordinance Name _____ and Ordinance # _____, as amended from time to time.

I. In carrying out the intent of this memorandum, the Blair County Conservation

MOU DEVELOPED

THE DISTRICT WILL:

- COMMIT STAFF TIME
- CALLS OUT THE
MINIMUM CONTROL
MEASURES THAT WILL BE
ADDRESSED BY THE
DISTRICT

- F. Commit the necessary staff time, and provide all information necessary to assist the municipality in conducting enforcement proceedings as specified in Ordinance # _____.
- G. As part of and as stated in a Delegation Agreement with the DEP, the District shall administer and implement the Commonwealth's Erosion, Sediment, and Stormwater Control Program and through the Delegation with DEP and this MOU shall assist **(name of municipality)** in maintaining compliance with: Minimum Control Measures (MCM) #4; #5 (BMP #1, #2 and #3) of (name of municipality)'s NPDES Municipal Separate Stormsewer System (MS4) permit;
- H. Assist, as staffing allows, **(name of municipality)** in maintaining compliance with Minimum Control Measures (MCM) #1; #2 and #6 of the municipalities MS4 Permit.
- I. Annually, prepare and send to the municipality a summary of District activities related to MS4 MCM's.

MOU DEVELOPED

THE MUNICIPALITY WILL:

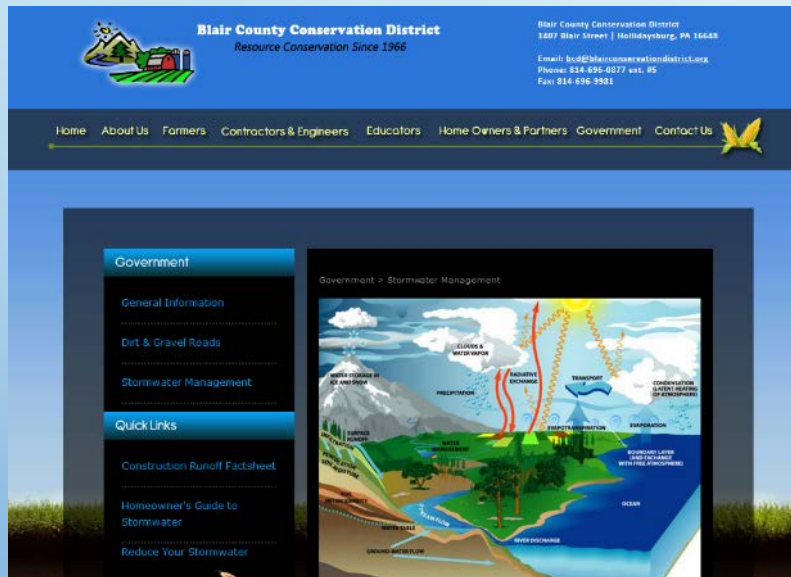
- NOTIFY THE DISTRICT OF PROJECTS OF 1 AC OR MORE
- NOT ISSUE BUILDING PERMITS WITHOUT NPDES PERMIT ISSUANCE
- UTILIZE DISTRICT AS A RESOURCE

II. In carrying out the intent of this Memorandum, (name of municipality) shall:

- A. Notify the District within 5 days of receipt of an application for any permit or approval that could involve earth disturbance activities consisting of 1 acre or more, pursuant to Chapter 102.42.
- B. Pursuant to Chapter 102.43, (name of municipality) shall not issue building or other permit or approval to those proposing or conducting earth disturbance activities requiring a Department permit until the Department or District has issued the E&S or individual NPDES Permit or approved coverage under a general NPDES Permit for Stormwater Discharges Associated with Construction Activities under Chapter 102.5.
- C. Shall provide instructions to have the E&S Plans submitted to the District and forward all questions pertaining to the preparation of E&S Plans and Applications and tracking forms to the District.
- D. Forward all third party complaints about ongoing earth disturbance projects to the District for their inspection.
- E. Upon notification by the District, withhold any building, grading, or other permits that apply as specified in the ordinance or Chapter 102.43, when and where it has been determined that an applicant has failed to secure E&S Plan approval from the District.
- F. Contact the District seeking services of the Ombudsman to assist with ordinance review and/or potential conflict resolution resulting from the interface of production agriculture and urban constituents.

BENEFITS TO A COLLABORATIVE APPROACH

SHARE DISTRICT WEBSITE; PUBLIC OUTREACH, MUNICIPAL TRAINING



www.blairconservationdistrict.org



Highway and Maintenance Crew Training Mandatory for Blair County MS4 Communities

As part of our MS4 responsibilities, we are required to hold mandatory training for our highway and maintenance crews. The 13 member Blair County MS4 Workgroup, has worked together to hold this joint training. This training will become a part of each municipality's annual report. Because of this, it is important that each municipality be represented by their highway and maintenance crews.

Date: Wednesday, March 27, 2013

Time: Morning Session 10am - 12pm

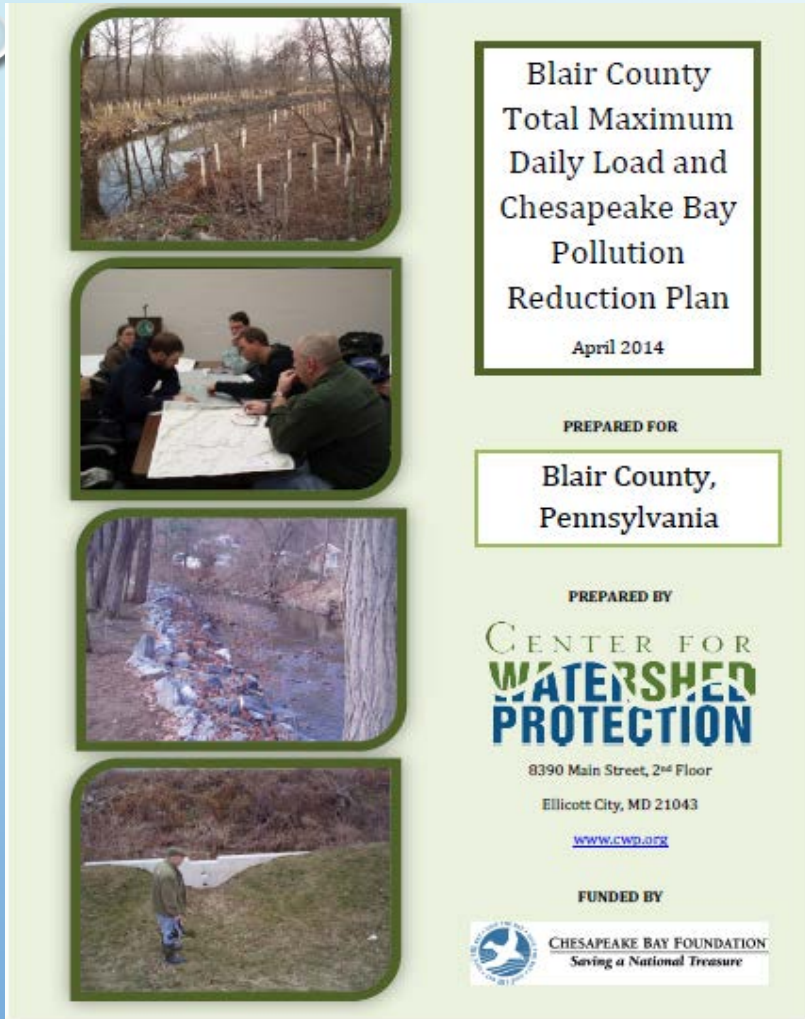
OR

Afternoon Session 12:30pm - 2:30pm

Lunch will be provided for both sessions from 12pm-12:30pm.

Lunch is courtesy of the Blair County Conservation District, Keller Engineers, Stiffler McGraw, and the members of the MS4 Workgroup.

BENEFITS TO A COLLABORATIVE APPROACH



GRANT FUNDING.....

- COUNTY PLANNING COMMISSION ON BEHALF OF THE MS4 WORKGROUP RECEIVED FUNDING AND TECHNICAL ASSISTANCE THROUGH THE CHESAPEAKE BAY FOUNDATION AND THE CENTER FOR WATERSHED PROTECTION FOR THE PREPARATION OF THE TMDL AND CHESAPEAKE BAY POLLUTION REDUCTION PLAN AS REQUIRED BY THE MS4 PERMIT
- LESSENERD THE BURDEN ON EACH MUNICIPALITY FOR THE COMPLETION OF THE REPORT

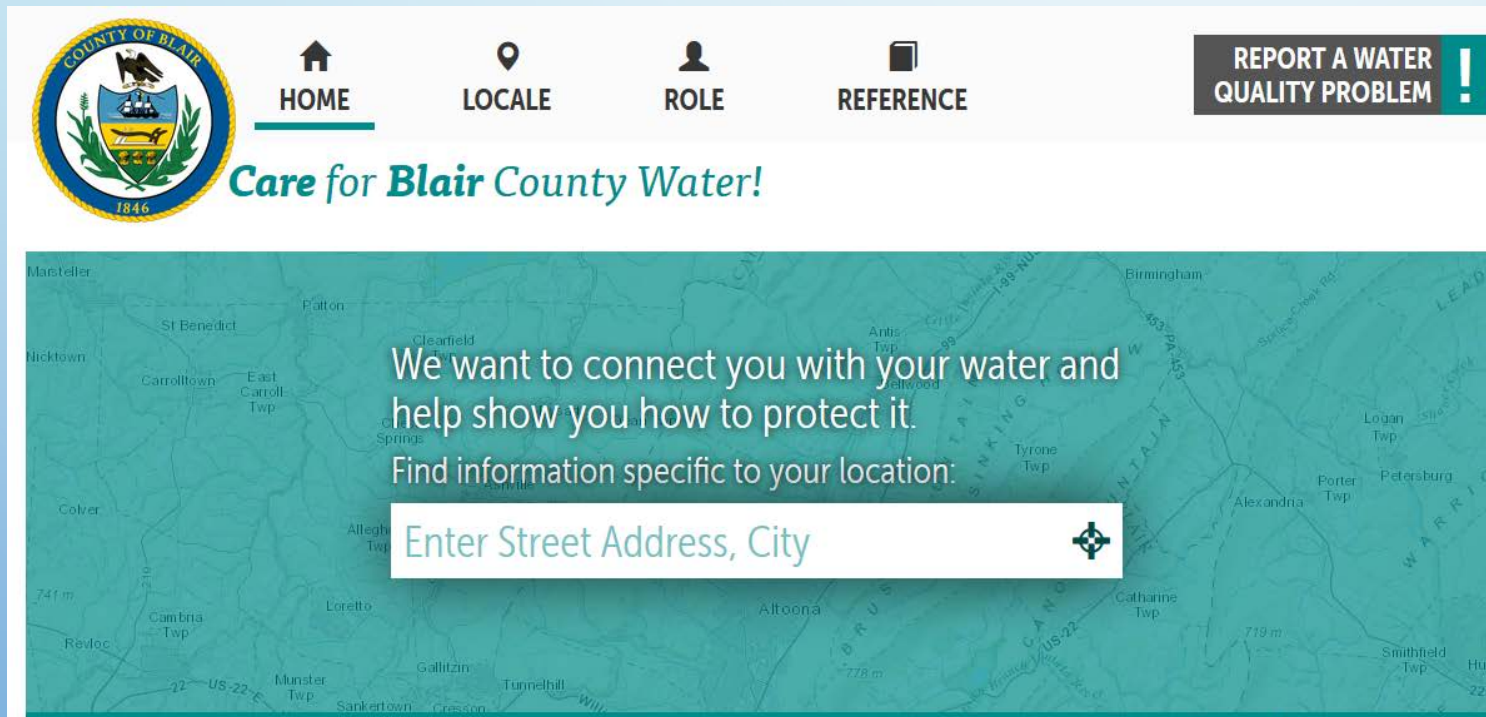
BENEFITS TO A COLLABORATIVE APPROACH

GRANT FUNDING.....

- THE DISTRICT APPLIED FOR AND RECEIVED A GRANT FROM THE NATIONAL FISH AND WILDLIFE FOUNDATION TO:
 - DEVELOP A LOCAL WATER SPECIFIC WEBSITE
 - IMPLEMENT GREEN INFRASTRUCTURE BMP'S AS DEMONSTRATION AREAS
 - ENHANCE THE DISTRICT'S EXISTING WATER QUALITY MONITORING PROGRAM BY ADDING AUTOMATED SAMPLING TO DEVELOP BASELINE DATA

BENEFITS TO A COLLABORATIVE APPROACH

[www. cleanblairwater.org](http://www.cleanblairwater.org)



WATER SPECIFIC WEBSITE

- INTERACTIVE MAP
- MUNICIPAL AND WATERSHED INFORMATION
- ROLES
- OPPORTUNITIES
- HOSTED BY THE DISTRICT

BENEFITS TO A COLLABORATIVE APPROACH



IMPLEMENTATION PROJECTS

- FOUR AREAS PLANNED FOR THE IMPLEMENTATION OF GREEN PRACTICES TO CONTROL STORMWATER
- DESIGNED LOCALLY
- EARTHWORK BY THE BOROUGH
- PLANTED BY SCHOOL STUDENTS

BENEFITS TO A COLLABORATIVE APPROACH

BLAIR CONSERVATION DISTRICT/YMCA

Rain garden

Go Natural

A rain garden acts like a giant sponge, collecting stormwater and letting it slowly sink into the soil. The garden's plants and soil filter out pollutants so they don't harm our streams and rivers. By slowing down the water flow, the garden also reduces erosion. This rain garden is just one way the YMCA works to create a healthier community.

WHEN IT RAINS, IT POURS
Heavy rains rush across rooftops, roads, parking lots and sidewalks. The water can't penetrate these impervious surfaces, so it gushes into storm sewers and eventually local streams — along with the oil, pesticides and other pollutants picked up along the way.

FISH LIKE IT COOL
Rainwater heats up as it flows across hot rooftops and parking lots. A rain garden gives water time to cool off before it flows into streams, which are home to cold-water-loving fish and other wildlife.

You Can Help
Put Your Rainwater to Work! An inch of rainwater falling on a 1,000-square-foot roof produces 632 gallons. Install a large rain barrel to capture some of that water, and use it later to water your lawn or garden. You'll minimize erosion AND your water bill. For a rain barrel, contact the Blair Conservation District at 814-694-0877 x5 for details.

Map Labels: Ball Fields, YOU ARE HERE, YMCA, Rt. 34

Logos: Blair Conservation District, Stiffler McGraw, NFWF, Chesapeake Bay Stewardship Fund, and others.

PROFESSIONALLY
DEVELOPED
SIGNAGE
FOR THE
HOLLIDAYSBURG
YMCA SITE

BENEFITS TO A COLLABORATIVE APPROACH



WATER QUALITY
MONITORING WITH
AUTOMATED
SAMPLING WILL
CREATE CREDIBLE
BASELINE DATA AND
EVENTUALLY SHOW
WATER QUALITY
IMPROVEMENTS
WITH BMP
IMPLEMENTATION!

BENEFITS TO A COLLABORATIVE APPROACH

GRANT FUNDING.....

- THE ALLIANCE FOR THE CHESAPEAKE BAY APPLIED FOR AND RECEIVED A GRANT FROM THE NATIONAL FISH AND WILDLIFE FOUNDATION TO DEVELOP A STORMWATER MANAGEMENT PLAN FOR THE BLAIR COUNTY MS4 AREA
- BUILT UPON THE BAY POLLUTION REDUCTION PLAN AND IDENTIFIED ISSUES, NEEDS, STRATEGIES AND OPPORTUNITIES
- FUNDED THE UNIVERSITY OF MARYLAND, ENVIRONMENTAL FINANCE CENTER TO DEVELOP A COST ANALYSIS FOR THE IMPLEMENTATION OF THE CHESAPEAKE BAY POLLUTION REDUCTION PLAN

Stormwater Management and Green Infrastructure in Blair County, Pennsylvania *An Inventory of Current Issues, Needs, Strategies, and Opportunities*



Photo credit, clockwise from top left: <http://www.city-data.com/>, BCCD, <http://www.derivocanal.com/>, BCCD

Prepared for the MS4 Municipalities of Blair County, PA
January 2015

Funding provided by the National Fish and Wildlife Foundation
"Building Green Infrastructure in Blair County, Pennsylvania"



NEXT STEPS

FINANCIAL ANALYSIS PROVIDED A STARTING POINT FOR BOTH MUNICIPAL INVOLVEMENT AND BUDGETING

- PROVIDED SCENARIOS FOR A COST TO PARTICIPATE FOR EACH MUNICIPALITY
- IDENTIFIED A DESIRE TO HAVE A SHARED STORMWATER COORDINATOR



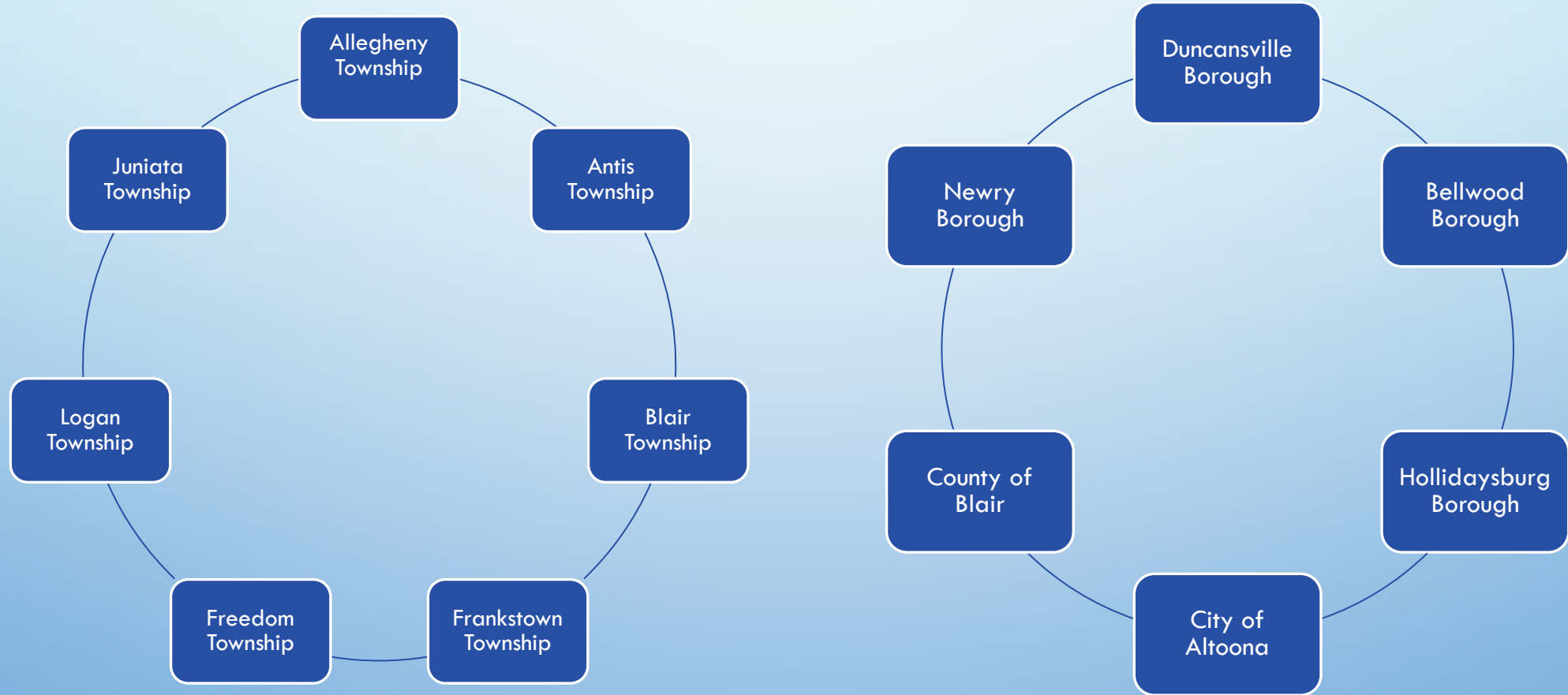
Financing Green Infrastructure in Blair County, Pennsylvania

Developed by the Environmental Finance Center

December 2015

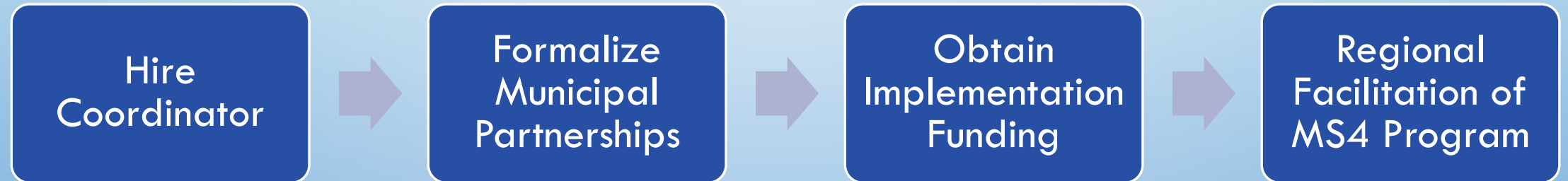


NEXT STEPS – LOCAL BUY IN



NEXT STEPS – SHARED COORDINATOR


THE BLAIR COUNTY CONSERVATION DISTRICT WAS IDENTIFIED AS THE POTENTIAL PREFERRED OPTION BY OUR MUNICIPALITIES AS THE LEAD AGENCY TO HOST THE SHARED COORDINATOR





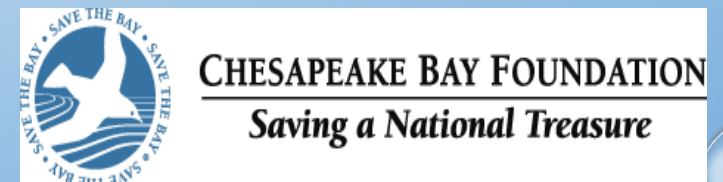
IN SUMMARY..... WAS COLLABORATION A SUCCESS?

YES - FOR THE BLAIR COUNTY CONSERVATION DISTRICT

- ENHANCED OUR WORKING RELATIONSHIP WITH OUR MUNICIPALITIES
 - ELEVATED OUR WATER QUALITY MONITORING PROGRAM
 - DIVERSIFIED OUR PUBLIC OUTREACH AND EDUCATION EFFORTS
 - INCREASED AND FUNDED OUR EFFORTS TO INSTALL GREEN INFRASTRUCTURE PROJECTS
 - POTENTIALLY WILL AUGMENT DISTRICT STAFFING
- 

THANKS TO OUR MANY PARTNERS

First and foremost the local MS4 Workgroup including our local Municipalities, local Engineering Firms & Planning Commission and the following for financial, planning and project resources....



SPECIAL THANKS TO MY VERY RESOURCEFUL STAFF!



BETH A. FUTRICK, AGRICULTURAL OMBUDSMAN

GRANT ADMINISTRATOR & PROJECT FACILITATOR

BFUTRICK@BLAIRCONSERVATIONDISTRICT.ORG

JAMES A. ECKENRODE, JR., WATERSHED SPECIALIST

WATER QUALITY MONITORING & EVALUATION

JECKENRODE@BLAIRCONSERVATIONDISTRICT.ORG

CONTACT INFORMATION



DONNA J. FISHER, DISTRICT MANAGER

BLAIR COUNTY CONSERVATION DISTRICT

1407 BLAIR STREET

HOLLIDAYSBURG, PA 16648

814-696-0877 EXT. 5

DFISHER@BLAIRCONSERVATIONDISTRICT.ORG

WWW.BLAIRCONSERVATIONDISTRICT.ORG

WWW.CLEANBLAIRWATER.ORG