

# Water Budget Screening Work Plan

Water budget screening for identification of critical water planning areas  
March 2007-June 2009

## Where we are

- We've completed two pilot screenings- Codorus Creek and Wissahickon.
- From the pilots we have confirmed a screening process and working on a draft report template.

## Where we want to be- short term

- By end of August 2007, we are aiming to have at least 22 watersheds screened at an existing conditions level – **Inclusion in initial Plan**

5 months

March 07

August 07

## Where we want to be- long term

- By end of June 2009, complete screening on additional priority watersheds at existing conditions and projected demand levels as funding permits.

22 months

August 07

June 09

## Work Plan Elements

- **Who-** team effort of DEP, USGS, DRBC, SRBC and ICPRB.
- **What-** Screening of 4 watersheds in each of 5 basins with two in Great Lakes
- **When-** Work will begin this month
- **How-** DRBC does screening in Delaware, ICPRB does Potomac, USGS does Ohio and Great Lakes, DEP project managers and performs initial projection work.

## Initial Screenings

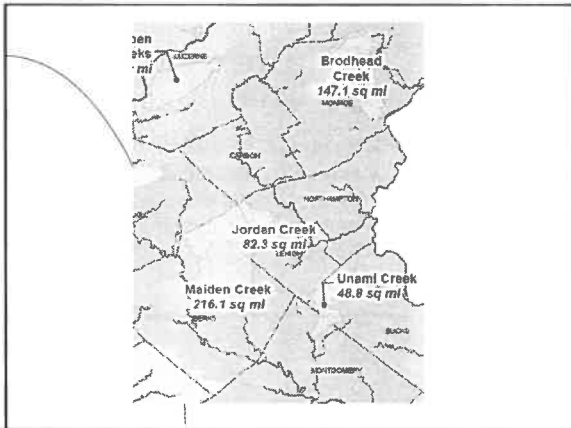
- Selection of 22 watersheds based on:
  - ◆ List of potential stressed areas (2004)
  - ◆ Preliminary runs of the budget tool
  - ◆ Input from river basin commissions
  - ◆ Input from regional offices/ DEP reps on the regional committees
  - ◆ Input from USGS

## Other watershed work

- Wissahickon Creek- CZM grant
- Laurel Hill- Growing Greener grant

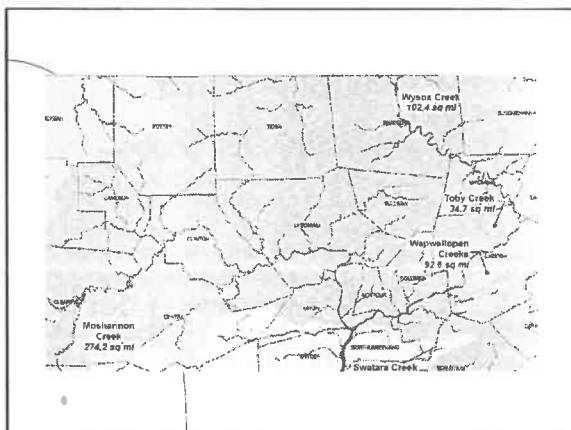
## Initial Screenings- Delaware

- Jordan Creek (Lehigh County)
- Unami Creek (Tributary to Perkiomen Creek)
- Maiden/Sacony Creeks (Berks and Lehigh Counties)
- Brodhead Creek (Monroe County)



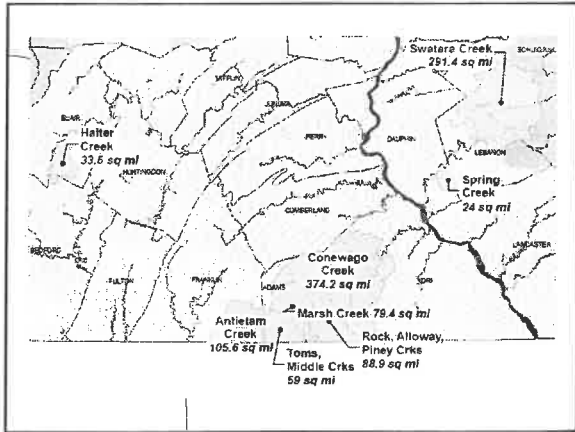
## Initial Screenings- Upper/Middle Susquehanna

- Moshannon Creek (Centre County)
- Wysox/Bullard/Johnson Creeks (Bradford County)
- Wapwallopen Creek (Big and Little) Luzerne County
- Toby Creek (Luzerne County)



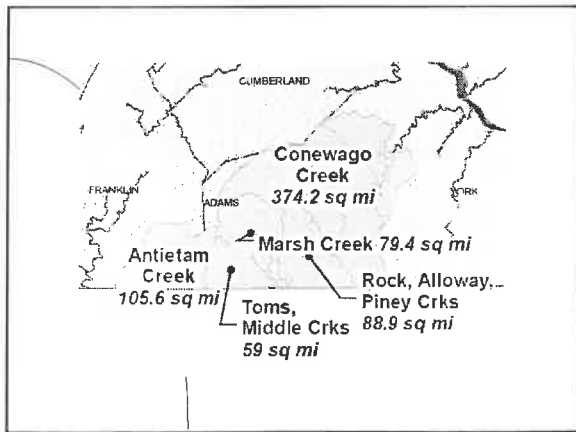
## Initial Screening- Lower Susquehanna

- Plumb/Halter Creeks (Roaring Spring Area of Blair County)
- Conewago Creek (d.s. of Bermudian Creek- Adams and York Counties)
- Swatara Creek (d.s. of Little Swatara (Lebanon and Berks Counties)
- Spring Creek (Hershey Area Dauphin County)



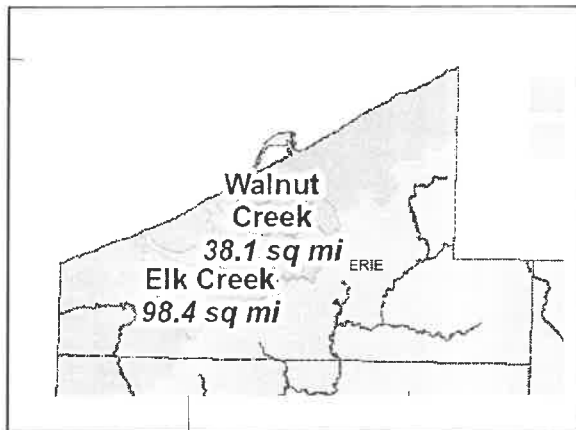
### Initial Screenings- Potomac

- Antietam Creek (Franklin Co.)
- Marsh Creek (Adams Co.)
- Toms, Middle Creeks (Adams Co.)
- Rock/Alloway/Piney Creeks (Adams Co.)



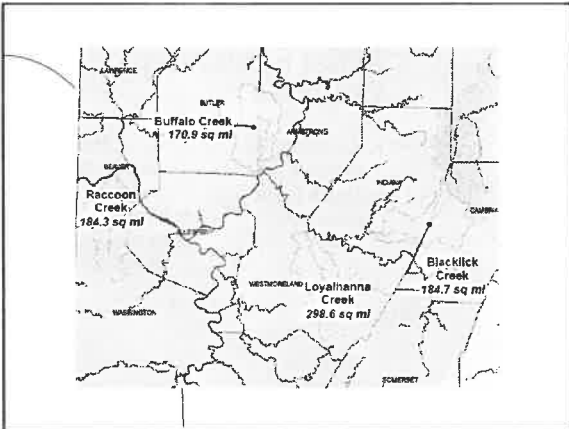
### Initial Screenings- Great Lakes

- Elk Creek
- Walnut Creek (Erie County)



### Initial Screenings- Ohio

- Buffalo Creek (Butler/Armstrong Counties)
- Raccoon Creek (Washington/Beaver Counties)
- Loyalhanna Creek (Westmoreland Co.)
- Blacklick Creek (Indiana/Cambria Counties)



**Work plan for Water Budget Screening  
Through June 2009**

Basin	Initial Watersheds (by Aug 2007)	Phase II watersheds	Contractor for Screening	Type of Agreement	Funding
Delaware	Jordan Creek Lynah Creek (Trib of Perkiomen Creek) Marden Creek Brookhead Creek	TBD	DRBC	Existing Administrative Agreement	\$200,000 legislative funds FY 09-07 ±, 7 FY07-08
Potomac	Rock Ck + Finley Ck Marsh Ck Toms Ck + Middle Ck Antietam Ck + Upper Potomac River	All remaining watersheds	ICPRB	Cooperative Agreement	\$185,000 (draft) Growing Greener Funds
Green Lakes	Elk Lurek Walrus Creek	TBD	USGS		
Ohio	Raccoon Creek (Washington, Beaver counties) Buffalo Creek (Butler & Armstrong counties) Loyalhanna Creek (Westmoreland Co.) Blacklick Creek (Carmax & Indiana Counties)	TBD	USGS	Joint Funding Agreement (JFA)	\$451,000 (draft)
Upper/Middle Susquehanna	Washington Creek Wynosabbuland Johnson Creeks Waywolkopen Creek (Big and Little) Tops Creek	TBD			
Lower Susquehanna	Pumpkin Creek (Roaming Springs area) Conewago Creek (e.s. of Bermudian Creek) Swatara Creek (e.s. of Little Swatara) Sipico Creek (NE of JFA)	TBD	USGS for the SRBC	JFA between USGS and SRBC	\$200,000 legislative funds ± 7 FY 07-08

- ### DEP Responsibilities
- Project management
  - Taking lead in demand projections
  - Reviewers of draft reports
  - Providing state-wide analyses
  - Provide recommendations to initiate CARP designation process as per guidelines

- ### Deliverables
- Professional level reports for web posting describing:
    - ◆ Basin descriptions
    - ◆ Water budgeting accounting & balancing- demand and supply sides
    - ◆ Results of screening tool and discussions on water availability
    - ◆ Presentation of stressed areas
    - ◆ Graphs, tables etc.
    - ◆ GIS maps

- ### Potential Work Beyond August 07
- Continue baseline screenings
  - Initiate demand projection screenings
  - Analyze yield of public water supplies
  - Evaluate water quality issues
  - Research on in stream flow needs
  - Integrate water resource planning