

US EPA ARCHIVE DOCUMENT

“The Garden State of Green Infrastructure”

*New Jersey Green Infrastructure Forum
Duke Farms, Hillsborough, NJ
Wednesday, July 31, 2013*

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Rutgers Cooperative Extension

Rutgers Cooperative Extension (RCE) helps the diverse population of New Jersey adapt to a rapidly changing society and improves their lives through an educational process that uses science-based knowledge.



Water Resources Program



The Water Resources Program is one of many specialty programs under Rutgers Cooperative Extension.

Our Mission is to identify and address community water resources issues using sustainable and practical science-based solutions.

**WHAT DOES GREEN
INFRASTRUCTURE LOOK
LIKE IN NEW JERSEY?**



PERVIOUS PAVEMENT



RAIN GARDENS / BIORETENTION SYSTEMS

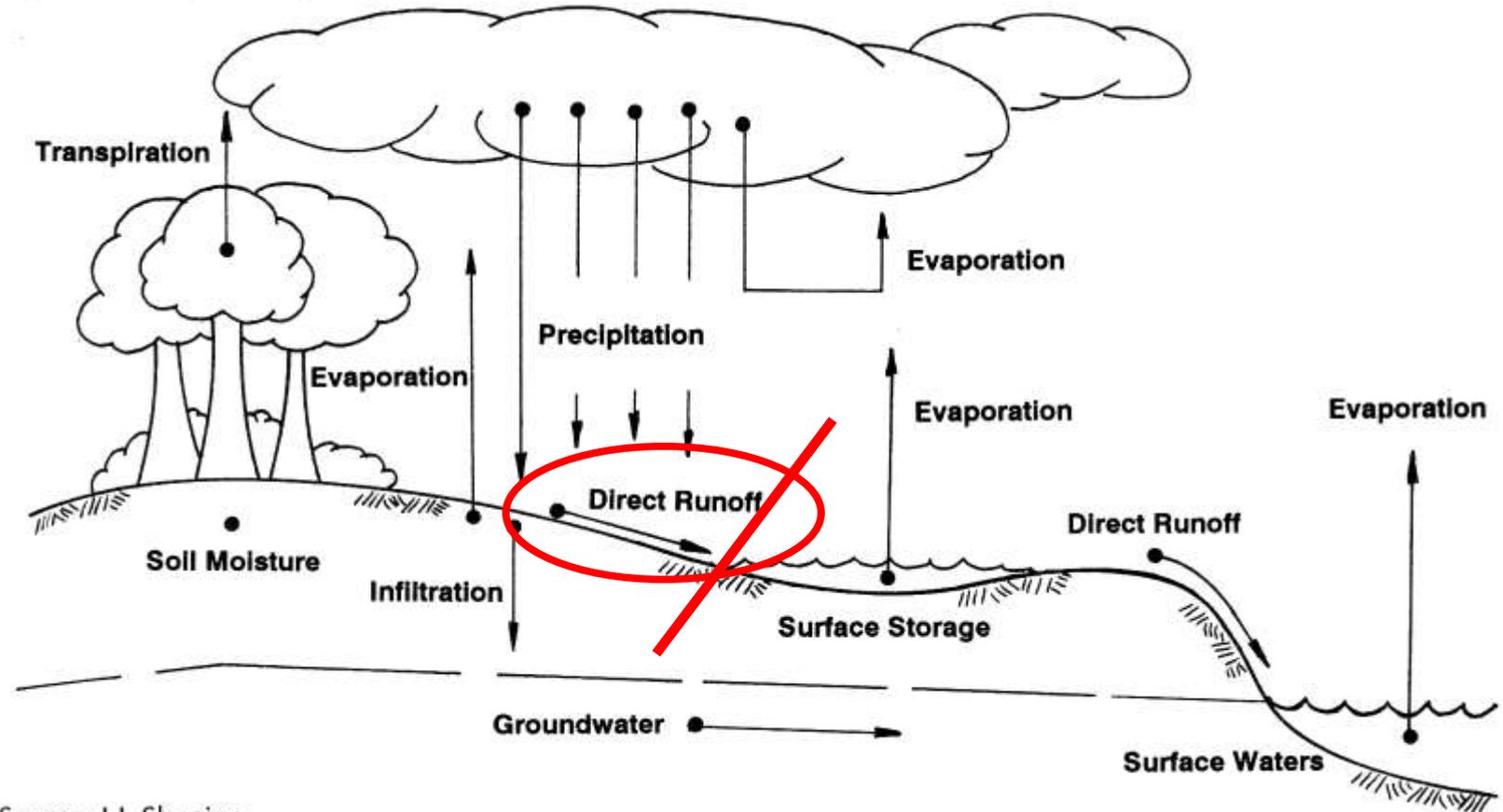


RAINWATER HARVESTING



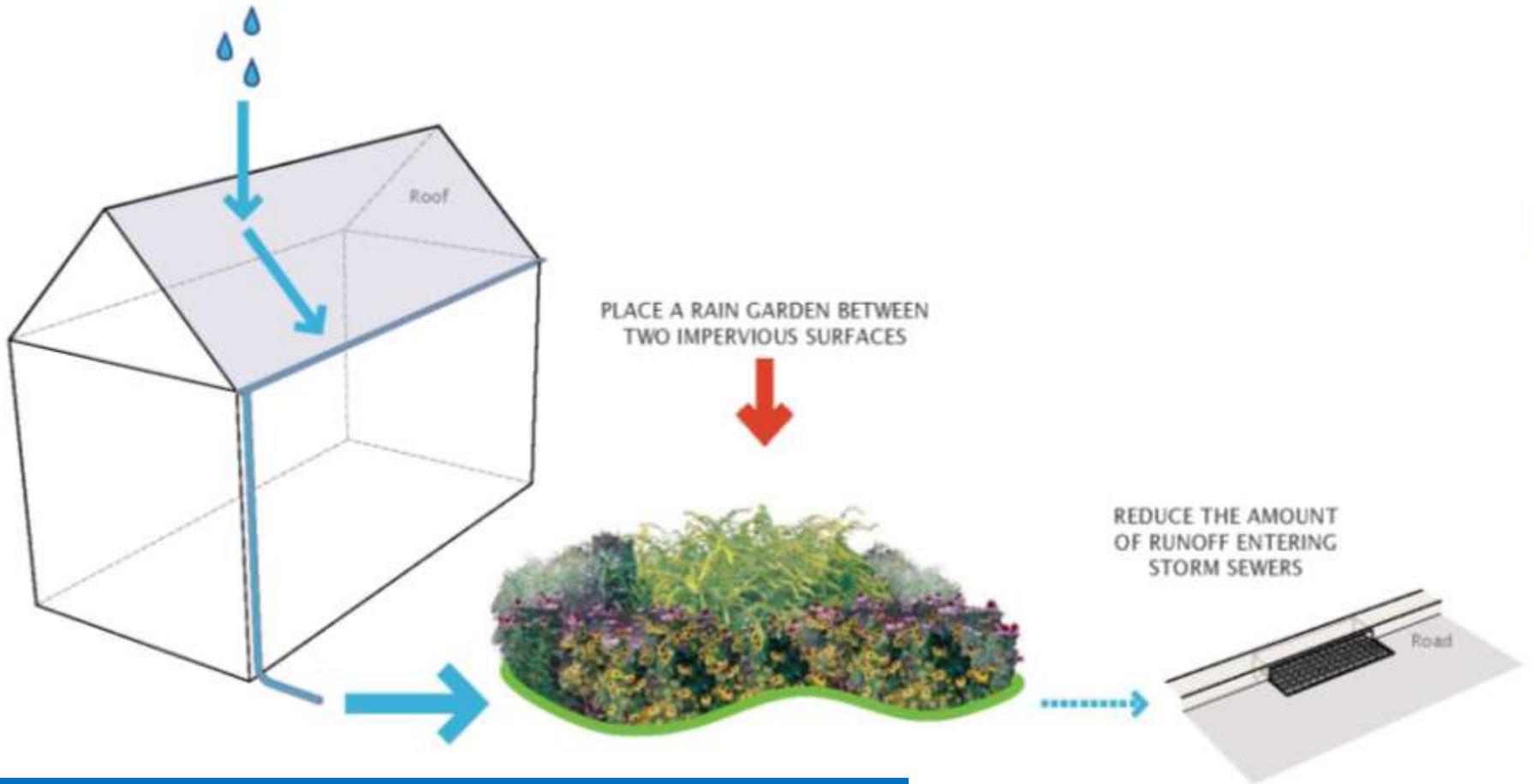
WHAT HAVE WE LEARNED?

The Water Cycle



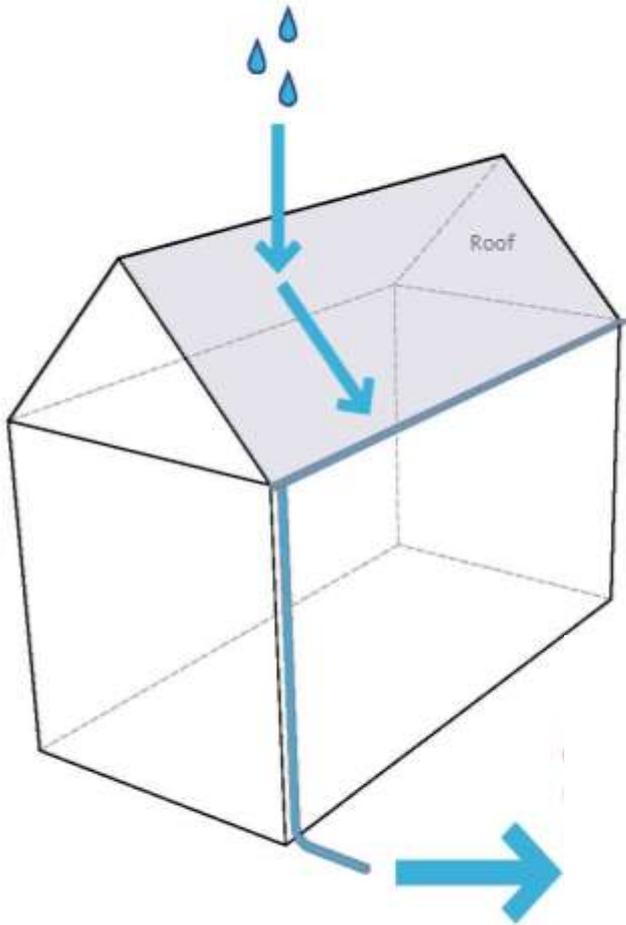
Source: J.J. Skupien.

Disconnection with Rain Gardens



Rooftop runoff is now *“disconnected”* from flowing directly into the storm sewer system

Disconnection with Rain Water Harvesting



Disconnect your downspout by installing a rain barrel



REDUCE THE AMOUNT OF RUNOFF ENTERING STORM SEWERS



HOW HAVE WE DONE THIS?

“GOOD EXTENSION PROGRAMMING”

- Needs assessment
- Education and outreach programs to address needs
- Research to inform education and outreach programs
- Demonstration projects
- Strong partnerships
- Funding



Camden, NJ / 2011-present

COMMUNITY-BASED GREEN INFRASTRUCTURE FOR CAMDEN



Green Infrastructure Feasibility Study for the City of Camden

- City-wide mapping
- Community meetings
- Site visits and City tours
- Conceptual designs
- Implementation of green infrastructure projects



Camden County Municipal Utilities Authority Camden, NJ

Completed Installation



Camden County Municipal Utilities Authority Camden, NJ

After Installation





PVSC Service Area (48 municipalities), NJ / 2012-present

PVSC GREEN INFRASTRUCTURE INITIATIVE



Passaic Valley Sewerage Commission

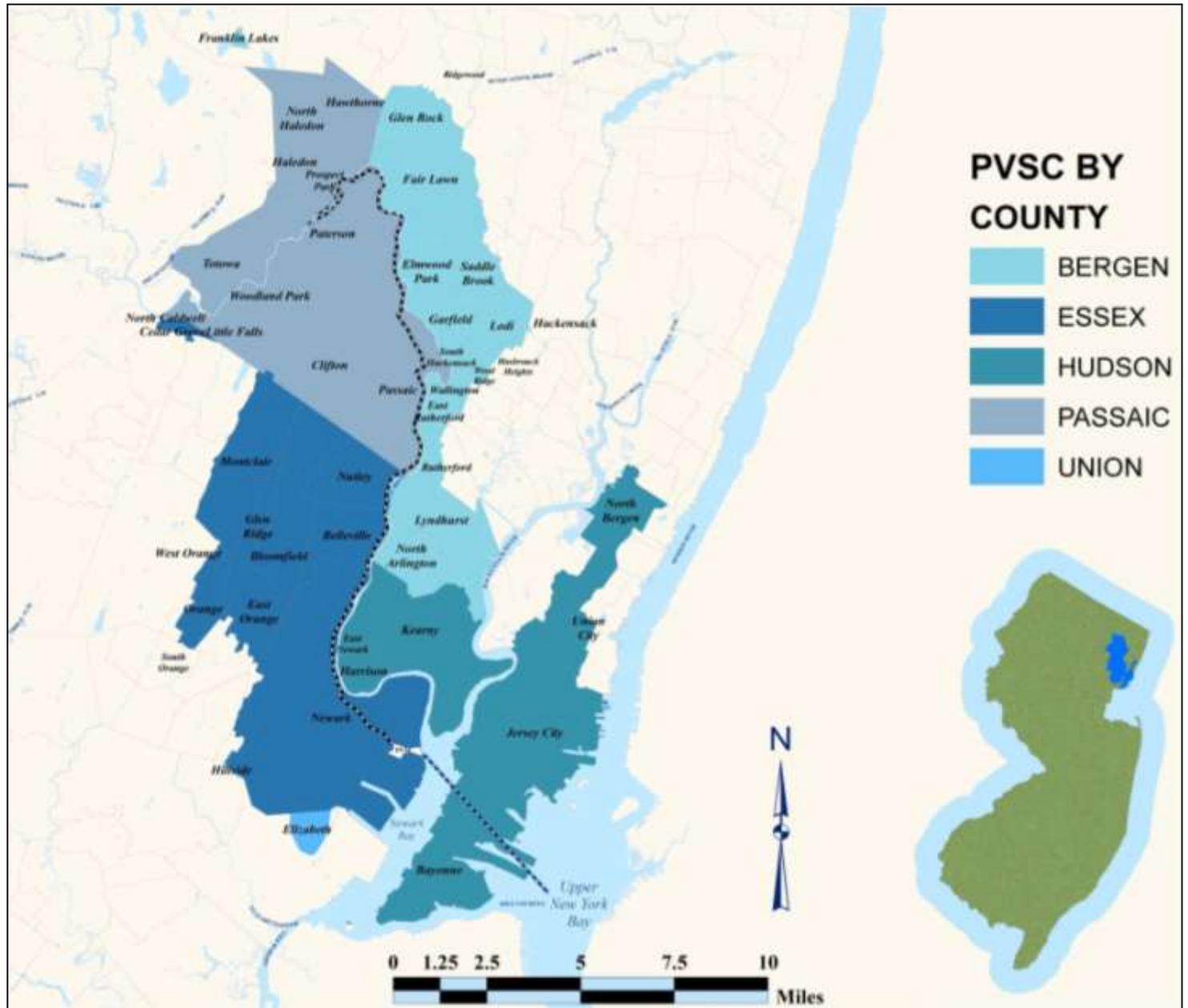


Rutgers Cooperative Extension Water Resources Program



Green Infrastructure Initiative

PVSC Sewerage District





Newark, NJ / 2010-2013

NEWARK ENVIRONMENTAL JUSTICE



298 Sussex Avenue Newark, NJ

Sussex Avenue School of Arts & Sciences – Ms. Waters' 6th Grade Class Planting



298 Sussex Avenue Newark, NJ

Sussex Avenue School of Arts & Sciences – After School Program Tree Planting with New Jersey Tree Foundation



298 Sussex Avenue Newark, NJ

Above Ground Cistern Installation Completed





Hamilton Township, NJ / 2011-present

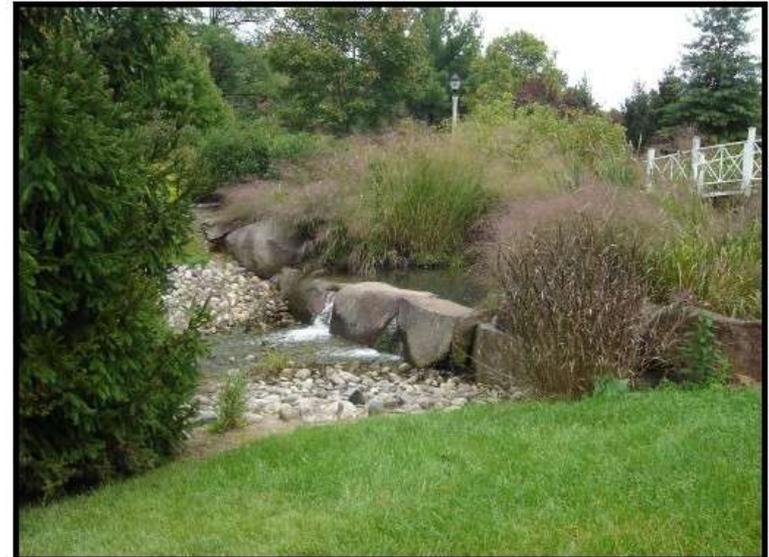
STORMWATER MANAGEMENT FOR HAMILTON TOWNSHIP



**Hamilton Township (Mercer County)
Hydrology Report**

Developed by the Rutgers Cooperative Extension Water Resources Program
Funded by Hamilton Township, Mercer County, New Jersey

September 9, 2011



**Hamilton Township (Mercer County)
Watershed and Stormwater Management
Implementation Plan**

Developed by the Rutgers Cooperative Extension Water Resources Program
Funded by Hamilton Township, Mercer County, New Jersey

February 14, 2012

Evaluating Stormwater Management Assets

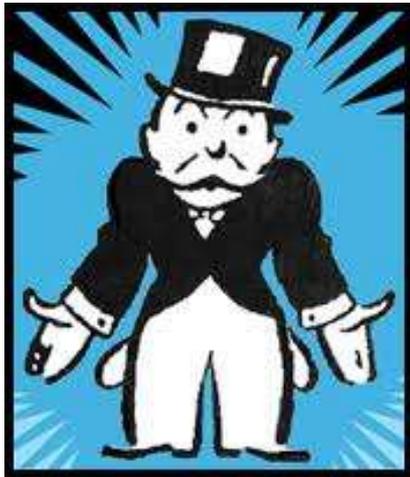
FUNDING OPPORTUNITIES



**POT OF
GOLD
AHEAD**

FUNDING?

- Sustainable Jersey Grants?
- NJDEP 319(h) Grants?
- Environmental Infrastructure Trust?



HOW TO MOVE FORWARD

- Conduct Impervious Cover Assessment
- Develop Impervious Cover Reduction Action Plan
- Develop Stormwater Mitigation Plan
- Identify and secure partnerships
- Engage the community
- Educate the children



Questions?

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