## PERTH AMBOY SWIM

A community-based green infrastructure initiative

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#### OUTERBRIDGE CROSSING

AWARNIL

1.00

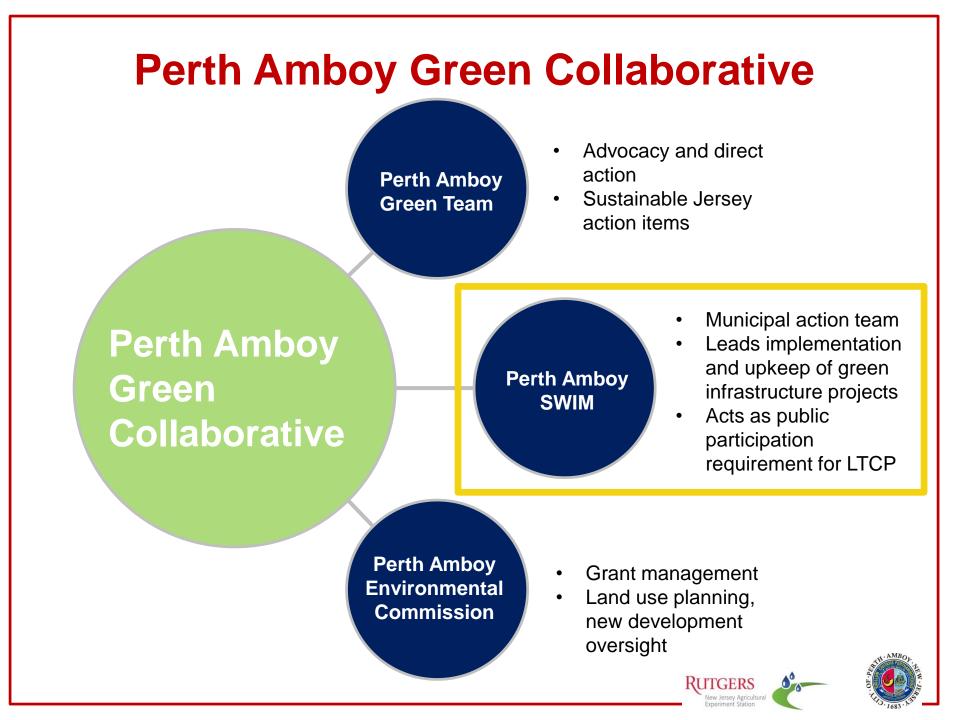
#### **Perth Amboy**



RARITAN RIVER

RARITAN BA

Source: Esrl, Digital Globe, GeolEye, I-cubed, Earthstar Geographics, CNES/Alrbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



#### What is a Municipal Action Team?

A municipal action team is a collaborative group of local government officials, utility authorities, residents, and community organizations.



Together these groups work to set an agenda for a community-based green infrastructure initiative





### **Municipal Action Team**



Image provided by the Jewish Renaissance Foundation

The goal of this action team is to foster collaboration and collective action that helps the municipality speak with a common voice to achieve a common goal

The goal to educate and improve advocacy for green infrastructure as one solution in the City of Perth Amboy.





### Perth Amboy SWIM is...





Perth Amboy SWIM is a **collaboration** of community members and stakeholders committed to improving the quality of life of residents by addressing combined sewer and stormwater pollution, flooding, and economic development through the **strategic implementation** of green infrastructure, educational programming, and public outreach.





#### <u>StormWater Infrastructure Management</u>

City of Perth Amboy

NY/NJ Baykeeper

New Jersey Department of Environmental Protection

Rutgers Cooperative Extension Water Resources Program

Perth Amboy Green Team

**Raritan Riverkeeper** 

Jewish Renaissance Foundation

Americorps

**Middlesex Water** 

AristaCare at Alameda Senior Facility

Middlesex County Planning Department







TGERS

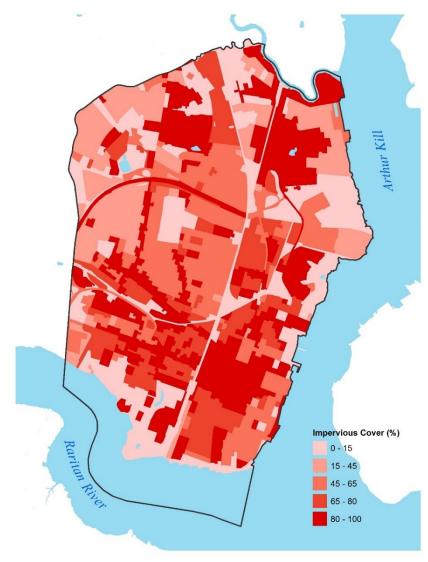


Jewish Renaissance Foundation A Community Action Agency

ONE PEOPLE, ONE HEART



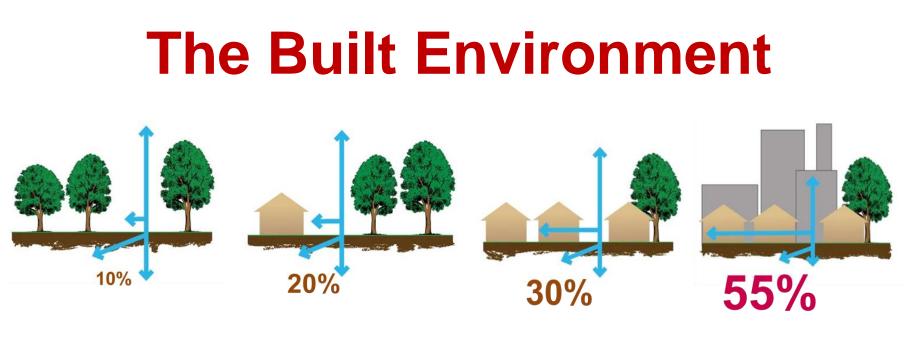
### Why Green Infrastructure?



Perth Amboy has <u>over</u> 50% impervious Cover

The combination of **paved surface** and **lack of capacity** in sewer and wastewater systems means heavy rains cause **flooding** and **Combined Sewer Overflows,** and could lead to **fines** and **expensive mandates** from the EPA.



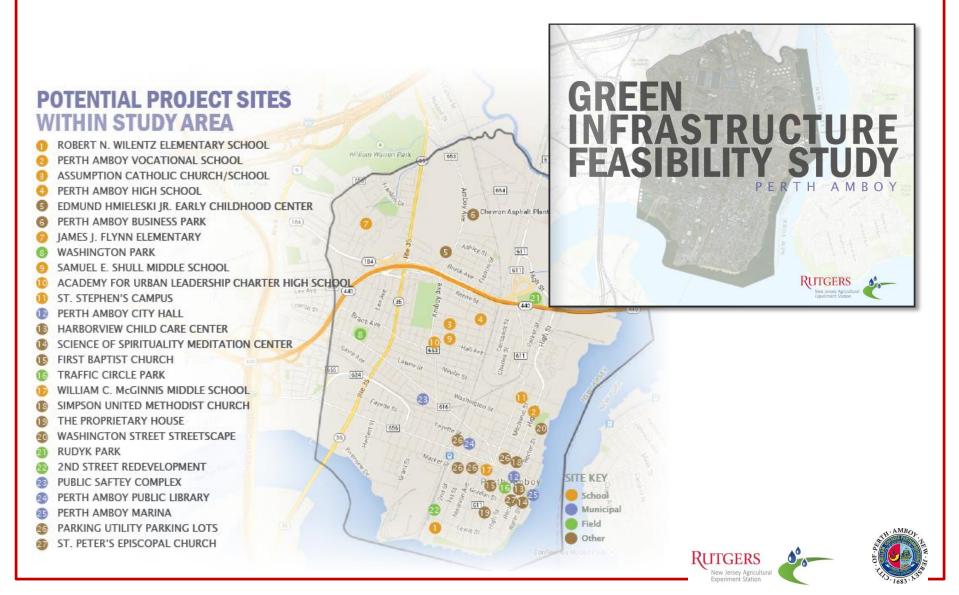


more development -----> more paved surfaces ----> more stormwater runoff





#### **Perth Amboy Feasibility Study**



#### Sites should be prioritized by...

- Visibility (# of visitors per day)
- Viability (ability to get the project in the ground)
- Partnership opportunities
- Cost effectiveness

(low cost + high stormwater volume reduction









Samuel E. Shull Middle School is located on Hall Avenue in the middle of urban Perth Amboy, Currently the students have little to no green outdoor space to play, and there is little stormwater management in practice. By departing the under-tuilled parking area on the southern edge of the building, the space can provide a play area for the students. In addition, the area can manage stormwater through harvesting and inflittation systems. By planting rangedens and insplating provus asplath, the area will allow stormwater to inflittate as opposed to just flow to the nearest catch basin. In addition, providing stormwater harvesting systems (e.g., extens or ran barrels) can provide water for future gardeen or other indiscage plants.

#### 

SAMUEL E. SHULL MIDDLE SCHOOL

380 Hall Avenue, Perth Amboy NI 08861 55





### **HIGH PRIORITY SITES**

#### **Perth Amboy SWIM**

Address
95 Amboy Avenue
51 1st Street
303 Elm Street
188 Rector Street
56 Brighton Avenue
15 Market Street & 83 Market Street
380 Hall Avenue
Weirup Street
375 New Brunswick Avenue



## **Current Projects**

#### Brighton Avenue Community Center

- Cistern project
- Captures water from community center rooftop
- Harvesting water for adjacent community gardens
- Scheduled to break ground Spring 2016



Rendering provided by the RCE Water Resources Program



### **Current Projects**

#### AristaCare at Alameda

- Rain garden project
- Captures water from facilities rooftop
- Provides garden space for residents
- Mitigates stormwater from entering the combined system



Rendering provided by the RCE Water Resources Program



# **Questions?**

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