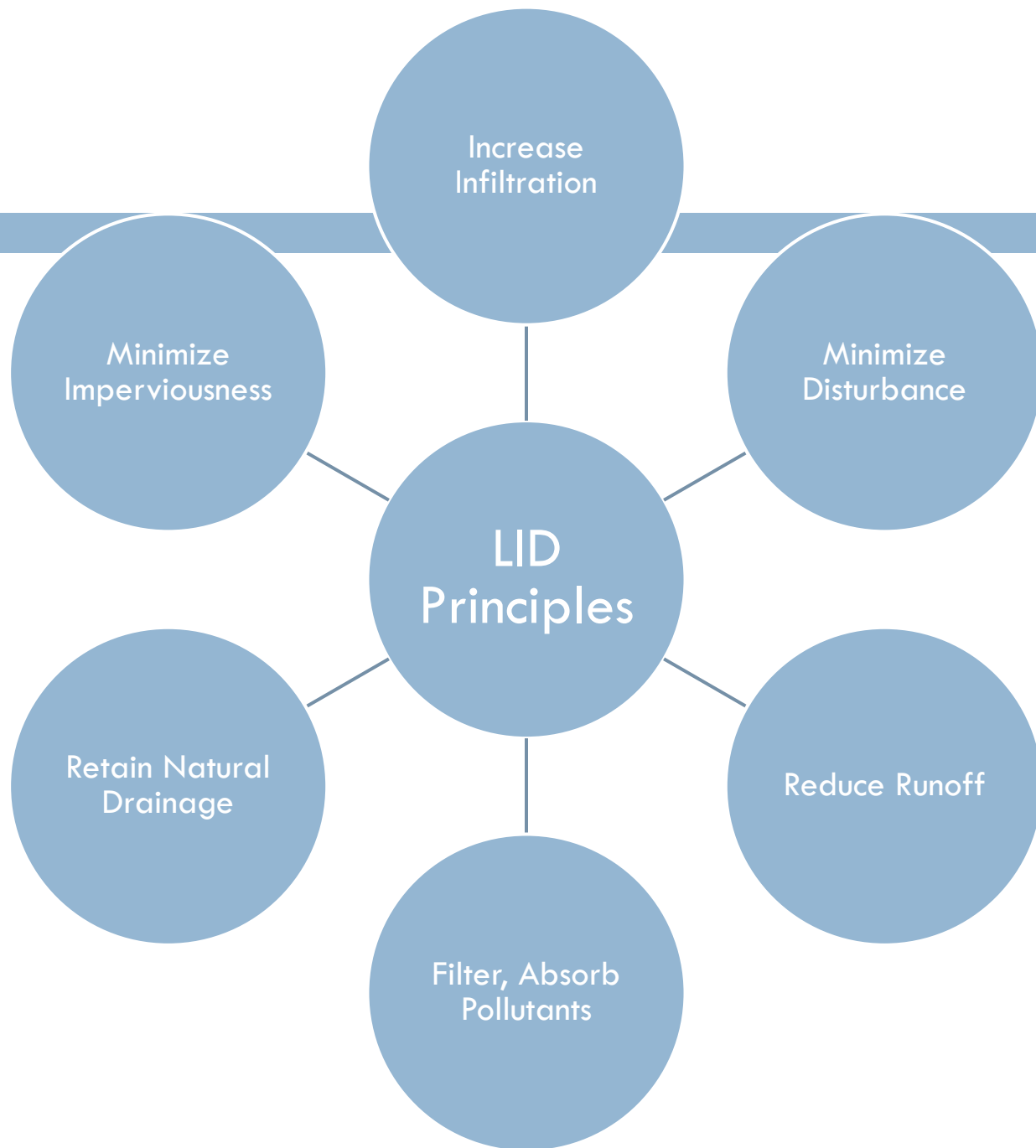


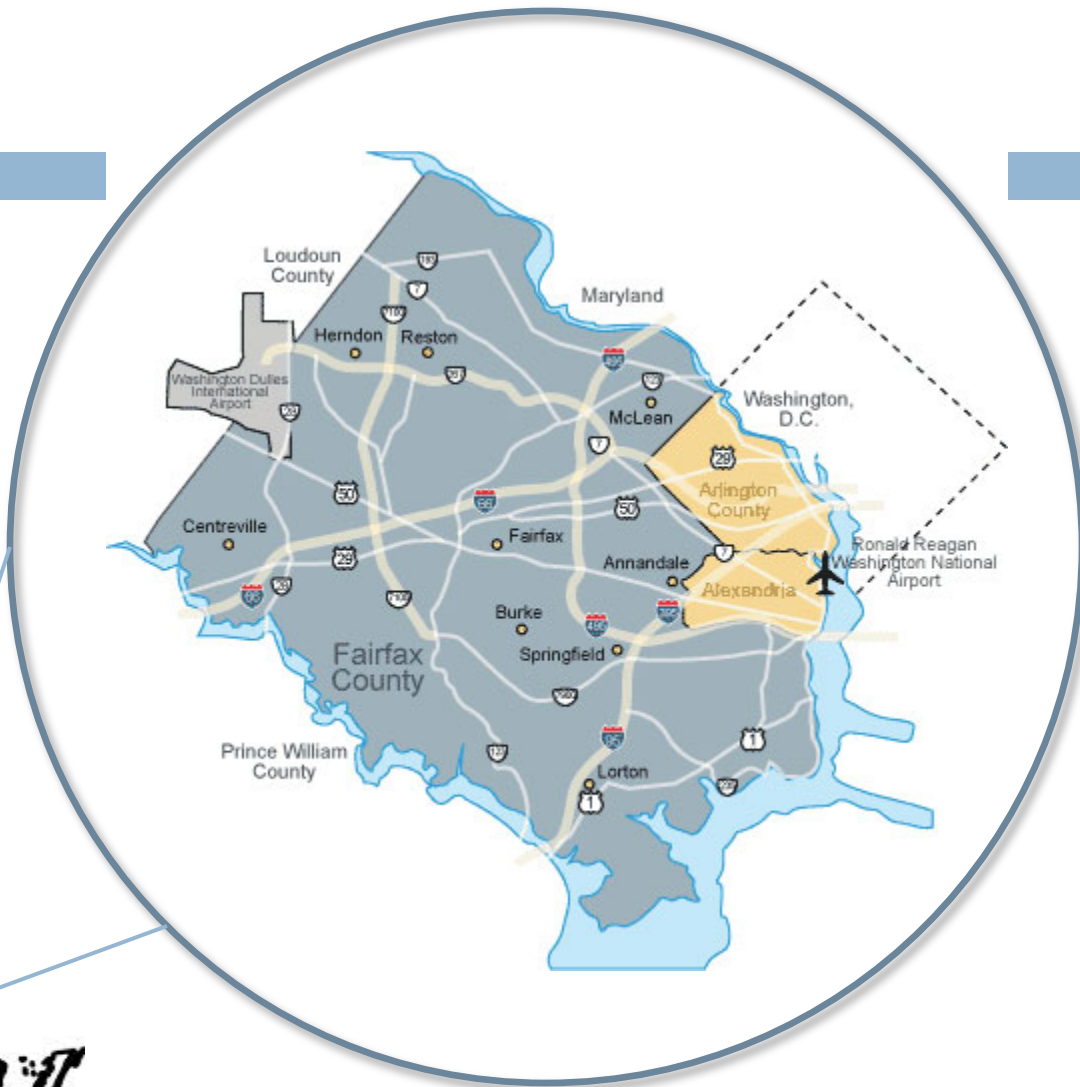
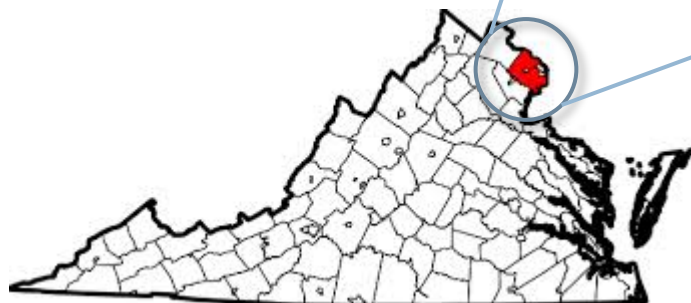
# LOW IMPACT DEVELOPMENT IN NORTHERN VIRGINIA

NACD Urban & Community Conservation Webinar  
June 19, 2014

# What is Low Impact Development?

- manage rainfall at the source using uniformly distributed decentralized micro-scale controls. LID's goal is to mimic a site's predevelopment hydrology by using design techniques that infiltrate, filter, store, evaporate, and detain runoff close to its source.









Our vision:  
An informed community  
working together to  
protect natural resources.



# Working as a Team



Conservation Specialist

Urban Conservation Engineer

Watershed Specialist

Environmental Educator

Soil Scientist

Admin and Technical Assistant

Financial Assistant

Executive Director



## Education & Engagement

- Watershed Science
- Stream Monitoring
- Storm Drain Marking
- Watershed Friendly Garden Tours



## Technical Assistance

- Soil Characteristics
- Drainage
- Erosion
- Plan Review
- Stormwater Permit Support



## Urban Conservation

- Stream Restoration
- Rain Gardens
- Rain Barrels
- Composters
- Conservation Landscaping
- Ag Cost-Share

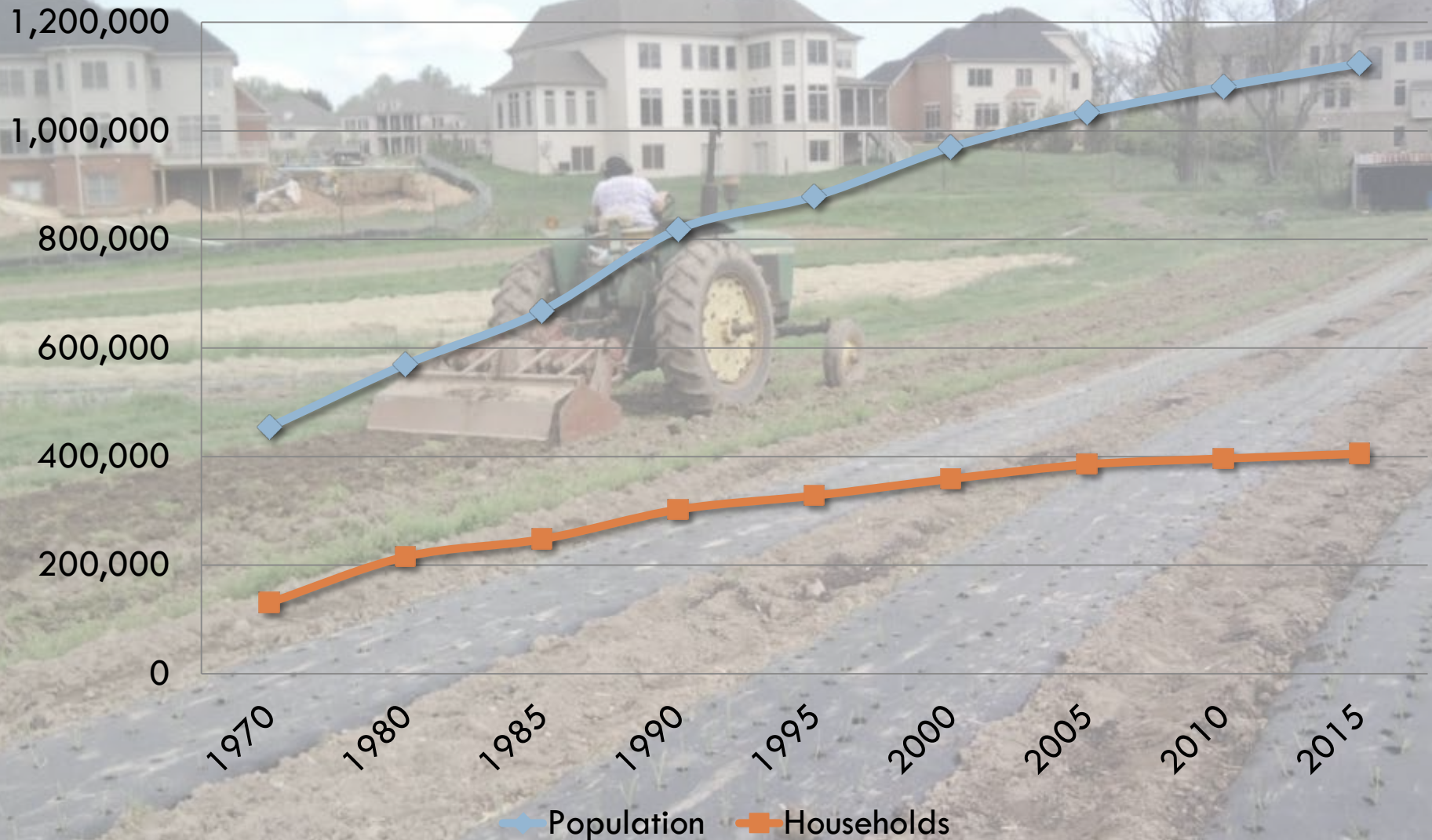


## Collaboration & Partnering

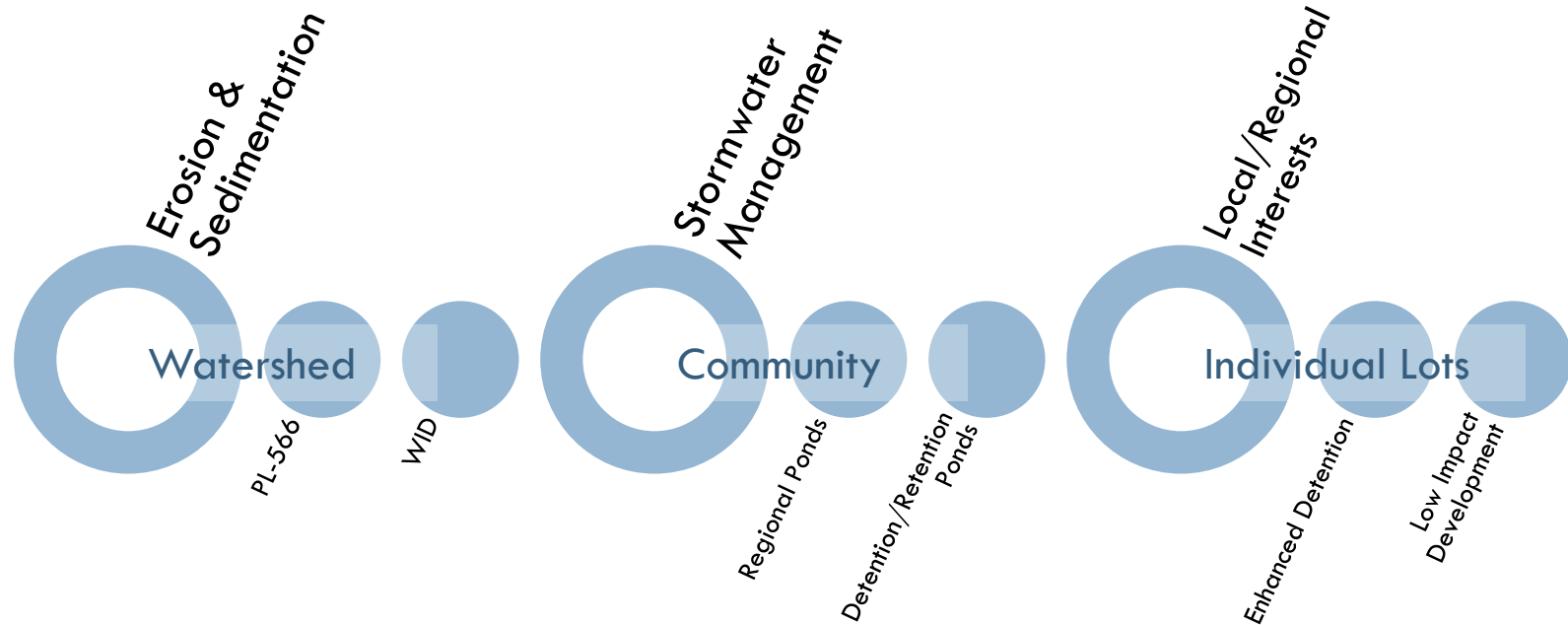
- Local, State, & Federal Govt
- Industry
- Nonprofits
- Community Leaders
- Watershed Roundtables

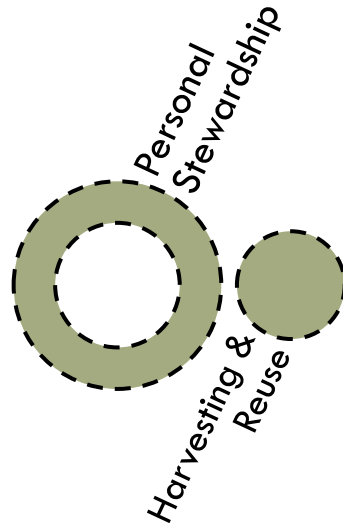
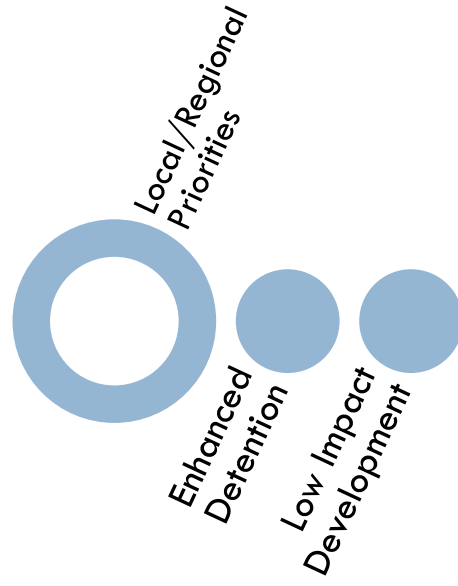
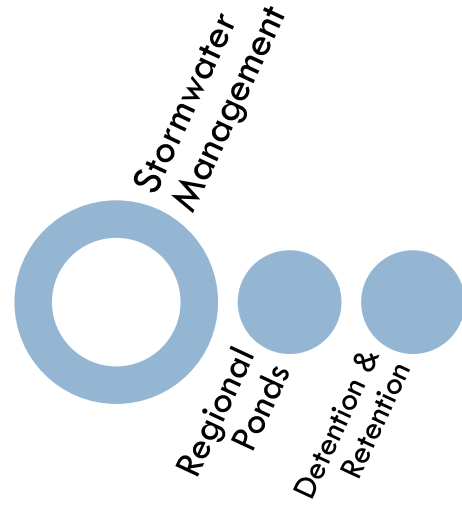
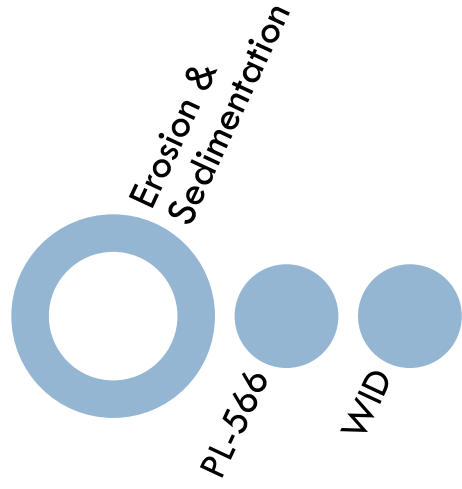


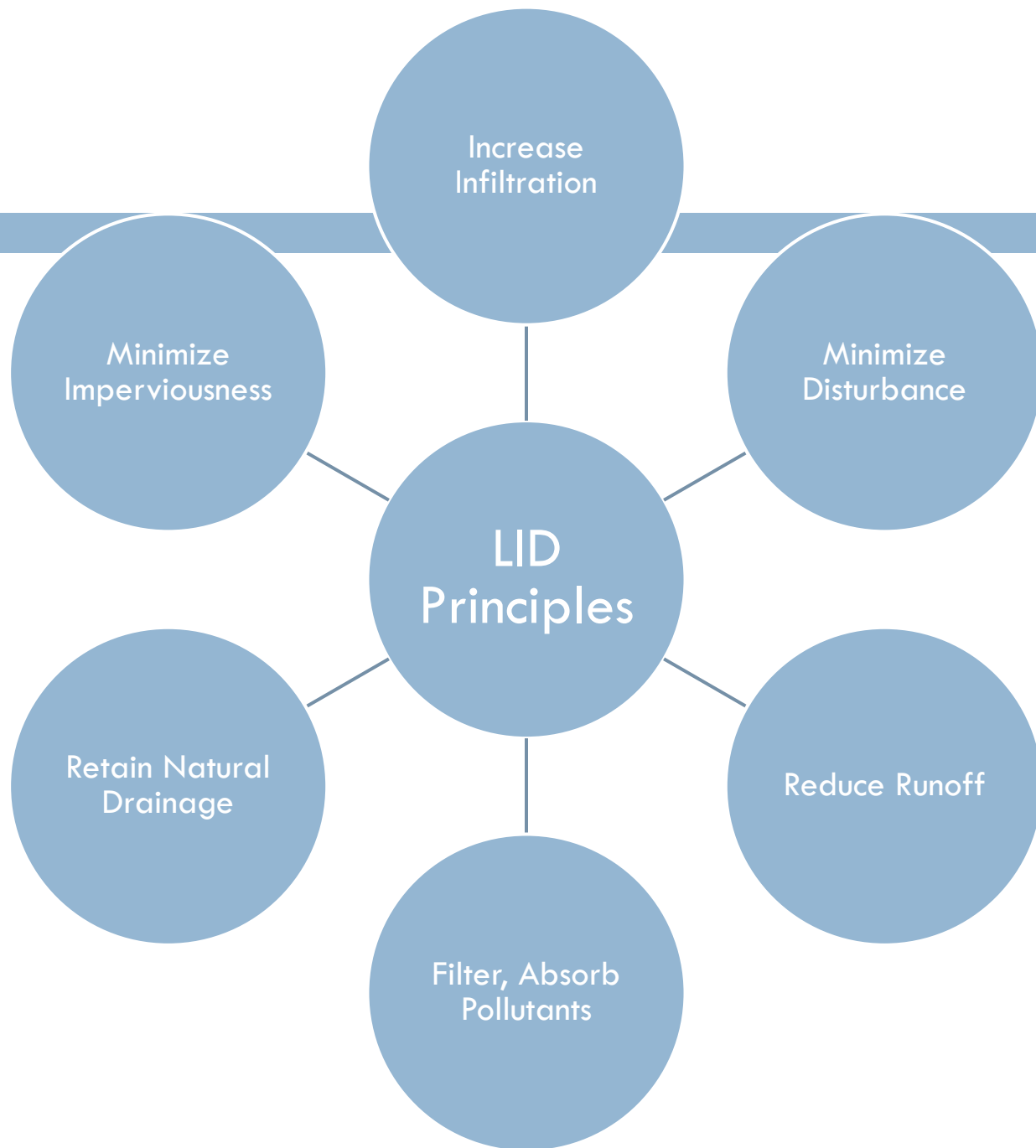
# Growth in Fairfax County





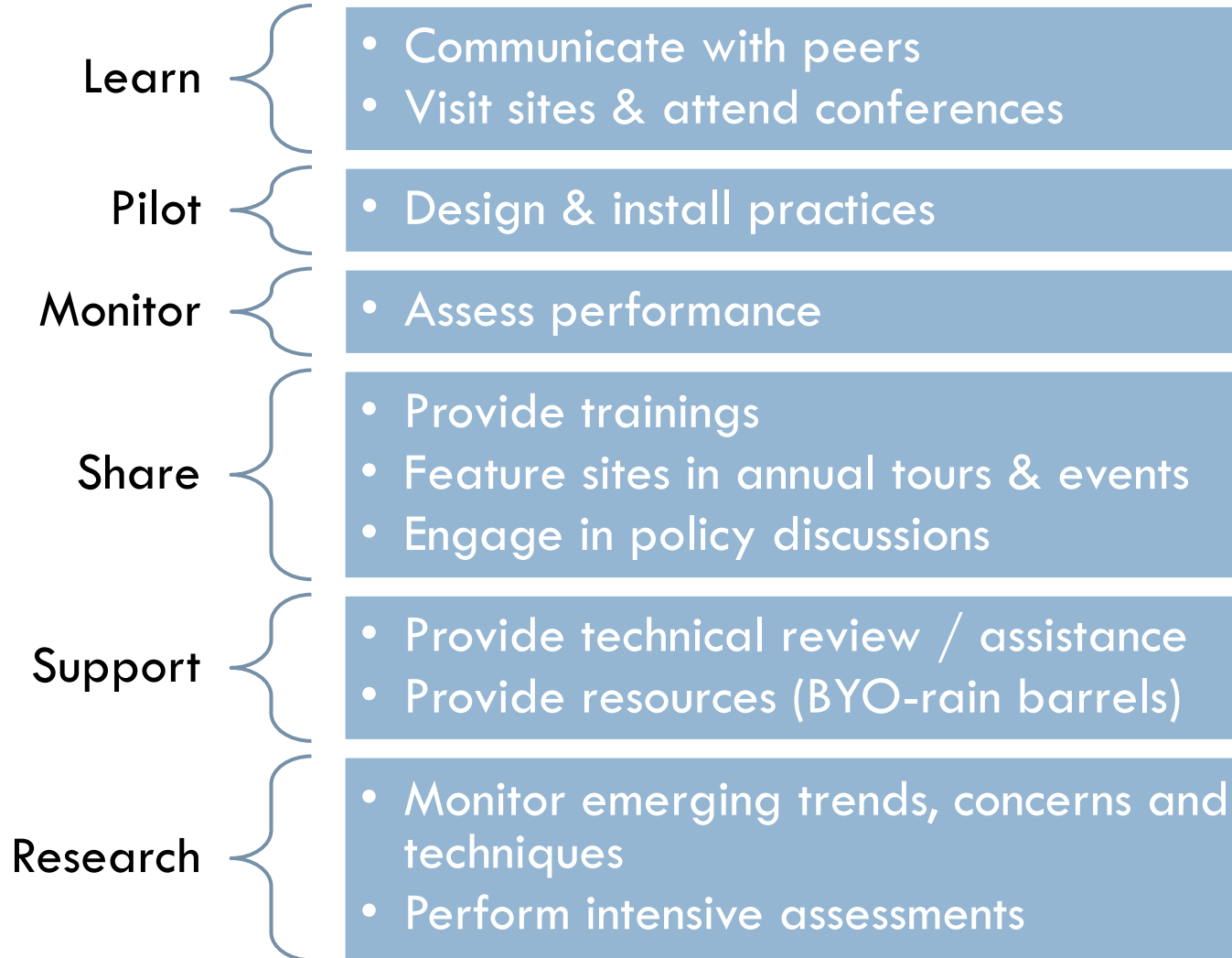








# Roles of NVSWCD







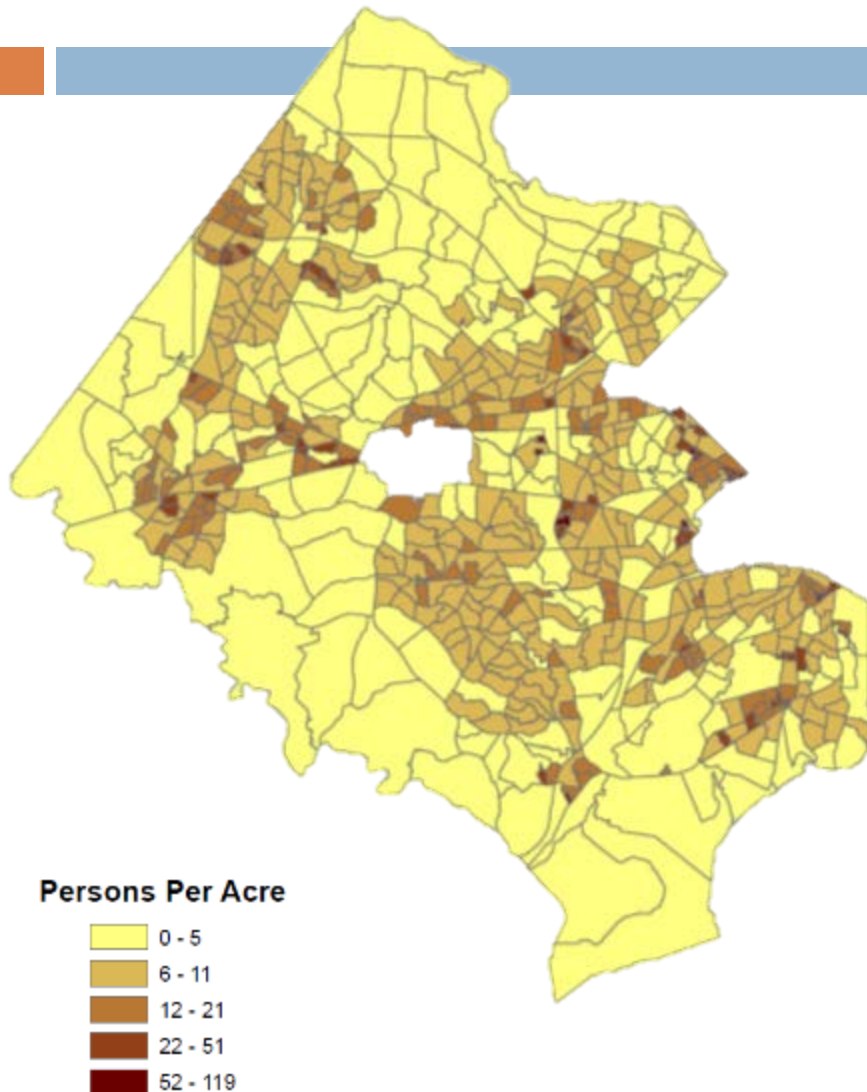
# Physical Assessment of Selected Rain Gardens in Fairfax County (2007)





# Maintenance

Challenge	Opportunity!
Not enough trained landscaping companies	Establish a regular training / certification program.
Many HOAs haven't budgeted for maintenance needs...	<p>Provide HOAs with a general maintenance cycle and associated costs.</p> <p>Create a support fund for HOAs, if acceptable.</p>



In 2012, we had:

- 1.1 Million Residents
- 400,000 Households

In 2025, we anticipate:

- 1.2 Million Residents
- 450,000 Households

Between 2011 and 2012,  
roughly 8% of the population  
were new to the area.



Coast Guard HQ, Washington, D.C.  
3<sup>rd</sup> Largest Green Roof in the World



# To Google...

- Northern Virginia SWCD Resources
  - ▣ Rain Garden Guidebook
  - ▣ Residential Low Impact Landscaping Handbook
  - ▣ Solving Drainage & Erosion Online Guidebook
  - ▣ Rain Barrel Partnership
  
- Low Impact Development Center
  - ▣ Inspiration, Landscaping
  
- Chesapeake Stormwater Network
  - ▣ Design Standards, Inspection, Maintenance, Credits

# Thank you!



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Northern Virginia SWCD

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