

# Stormwater Program Progress

## System Capacity and Maintenance



**Manage Flooding**  
from 10-year storm

**Mitigate Flooding**  
from 100-year storm

100%

of high priority projects identified in the Stormwater Master Plan (SMP) completed or underway

Completed

- 24th and Rockingham Storm Sewer Upgrade
- 9th Road North Storm Sewer Project
- Old Dominion Drive Phase 2 Improvements
- West Little Pimmit Run Storm Sewer Upgrade
- John Marshall Drive Storm Sewer Upgrade
- Cardinal School Stormwater Vault
- Multiple outfall repairs
- Four Mile Run Dredging

Underway

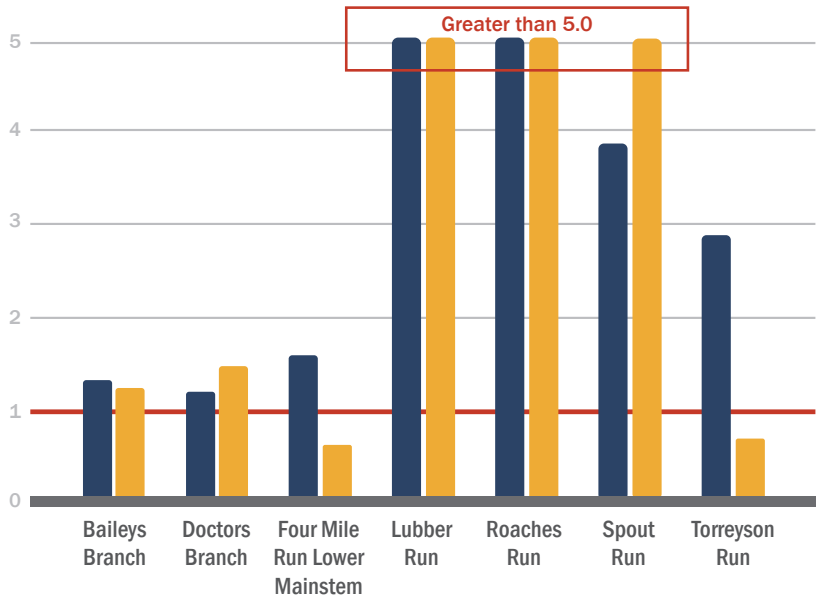
- Spout Run – voluntary property acquisition
- Lubber Run – feasibility analysis
- Bailey's Branch – feasibility analysis
- Dumbarton culvert replacement
- Military Road culvert replacement

### Cost Benefit of System Capacity Improvements

The cost benefit analysis from the Risk Assessment and Management Plan (RAMP) illustrates the positive benefit of capacity improvements in the critical watersheds, with some projects showing benefits five times greater than the cost.

Benefit Cost Ratio  
Conveyance Concepts

Benefit Cost Ratio  
Storage Concepts



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**Investment**  
to reduce flood risk  
and protect the  
environment

**\$267**  
million

\$64 million system investment through FY25

**\$16.6**  
million

Capital  
Maintenance

**\$33.8**  
million

Infrastructure

**\$13.7**  
million

Water Quality



**Improve**  
life-cycle repairs to  
aged/failing  
infrastructure

**352,800**

Linear feet of storm  
sewer inspected

**4,900**

Linear feet of pipes  
repaired/constructed

**15**

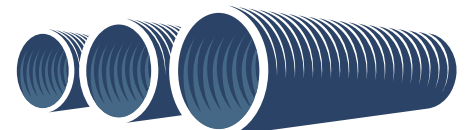
Outfall repairs

**12,200**

Catch basins  
inspected/cleaned

**690**

Drainage complaints  
investigated



\*Numbers for time period FY21-FY25, except pipe repair FY23-FY25

# Water Quality



## Progress

toward 2028  
pollutant  
reduction targets

### Stream Restoration

- Gulf Branch Stream Resiliency Project
- Donaldson Run Stream Restoration Tributary B
- Four Mile Run Stream Restoration
- Windy Run Stream Restoration

### Ponds & Wetlands

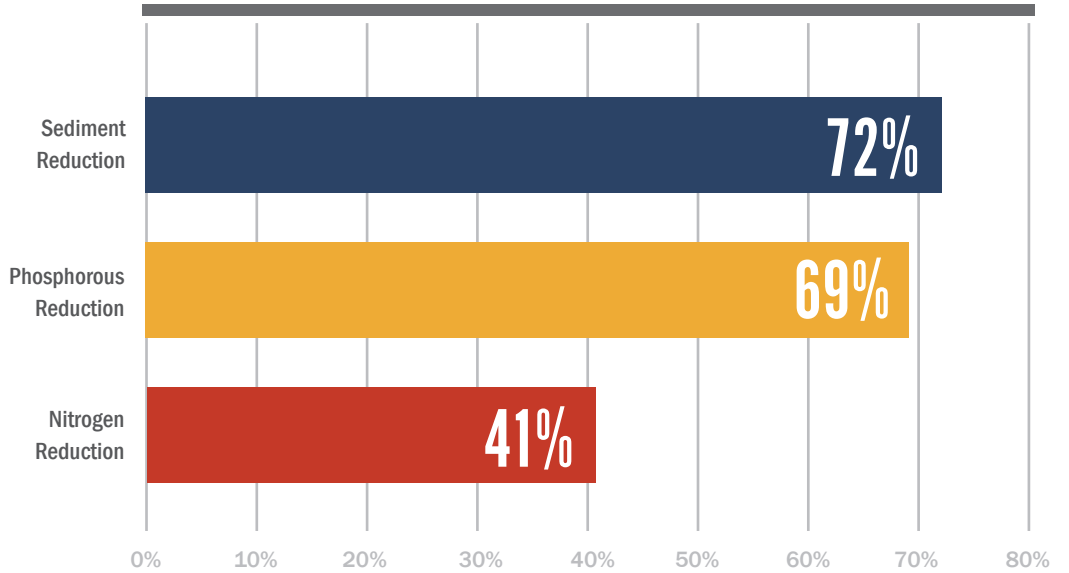
- Ballston Wetland Park
- Sparrow Pond Restoration

### Green Streets

- Green Streets Projects

The County is required to reduce water pollution from nitrogen, sediment, and phosphorous as part of EPA's Chesapeake Bay "pollution diet". The chart below shows Arlington's progress towards meeting Arlington's assigned pollution reduction goals. The County achieves these pollution reductions through completing projects that reduce erosion and clean stormwater runoff, such as stream restoration, wetland projects, green street projects, and requiring stormwater management for new construction in the County.

## Pollution Reduction Progress



## Manage

environmental  
impacts from  
development

248

Impervious acres

6.2

Million gallons

managed by  
private  
stormwater  
facilities

296

Impervious acres

3.7

Million gallons

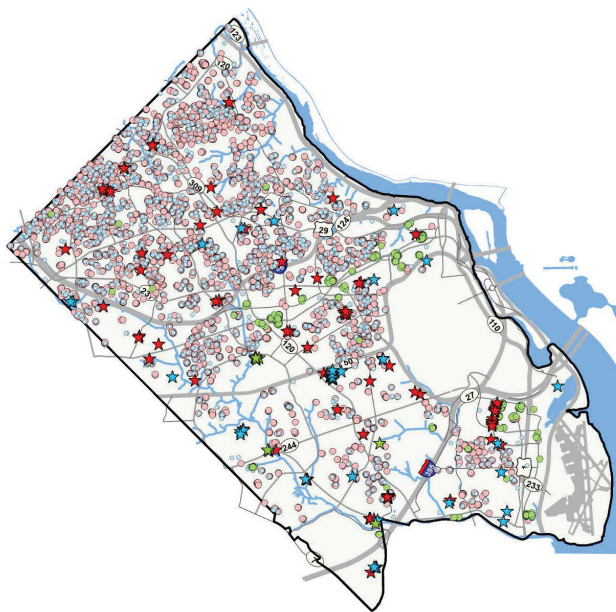
managed by  
public  
stormwater  
facilities

Over  
**9,300**

Private and public  
stormwater facilities

## Improving Water Quality with Green Infrastructure

Green infrastructure includes stormwater management facilities that collect, slow down and filter stormwater runoff, removing pollution and improving water quality. The map to the right shows over 9300 public and private stormwater facilities throughout Arlington County.



- ★ Public Green Roof
- ★ Public Permeable Pavement
- ★ Public Bioretention
- Private Green Roof
- Private Permeable Pavement
- Private Bioretention

\*Numbers through 2025



**Continuous**  
environmental  
and biological  
improvements

59

Annual RPA/  
Floodplain reviews

2

Annual plan/  
ordinance updates

410

Annual construction  
site inspections

200

annual illicit discharge and  
commercial area inspections