

Stormwater Capital Improvement Program FY 2016-2020

Department of Public Works and Environmental Services
Working for You!



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Drivers

- **Chesapeake Bay TMDL (Total Maximum Daily Load)**
 - Phosphorus (9,700 pounds/year)
 - Nitrogen (82,000 pounds/year)
 - Sediment (8.1 million pounds/year)
- **Dam Safety**
- **Infrastructure Maintenance**
- **Public Safety and Emergency Response**
- **MS4 Permit (Municipal Separate Storm Sewer System)**
 - Inspection
 - Maintenance
 - Retrofit
 - Training
 - Administration
- **Local TMDLs**
 - Bacteria (12)
 - Sediment (3)
 - PCB's (Tidal Potomac)



Regulatory Program

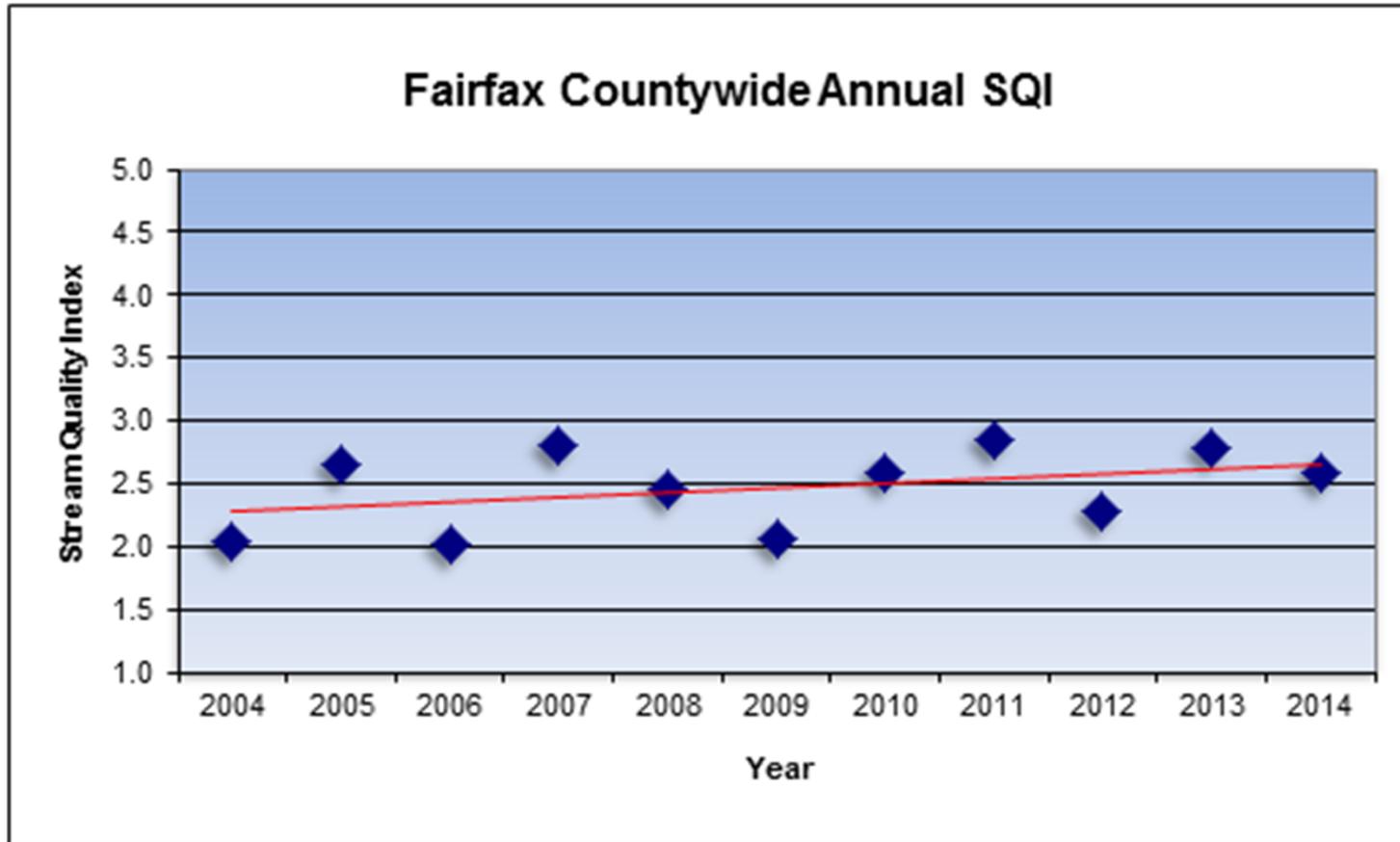
Project Title/ Project Number	2016	2017	2018	2019	2020	Total	Full Program
Stormwater Regulatory Program / 2G25-006-000	6,000	6,500	6,500	7,000	7,000	33,000	7,000/yr

MS4 Elements:

- Planning
- Infrastructure Coordination
- Areas of New Development and Redevelopment
- Roadways
- Retrofitting on Prior Developed Lands
- **Pesticide, Herbicide, and Fertilizer Application**
- **Illicit Discharges and Improper Disposal**
- **Spill Prevention and Response**
- **Industrial and High Risk Runoff**
- Construction Site Runoff
- Stormwater Infrastructure Management
- County Facilities (New)
- **Public Education**
- Training (New)
- Water Quality Screening Programs
- TMDL Action Plans (New)
- Chesapeake Bay TMDL Action Plan (New)
- **Monitoring**



Stream Quality Index



Emergency and Flood Response Program

Project Title/ Project Number	2016	2017	2018	2019	2020	Total	Full Program
Emergency and Flood Response Projects / SD-000032	1,000	1,000	1,000	1,000	1,000	5,000	1,000/yr

Flood Mitigation project - Great Falls Street Dranesville District



Flood Prevention (Huntington Area)

Project Title/ Project Number	2016	2017	2018	2019	2020	Total	Full Program
Emergency and Flood Response Projects	1,500	5,000	11,300	9,698		27,498	30,000

Huntington Levee Mount Vernon District



Plan View



Artistic Rendering

Dam Safety and Facility Rehabilitation

Project Title/ Project Number	2016	2017	2018	2019	2020	Total	Full Program
Dam Safety and Facility Rehabilitation / SD-000033	6,500	7,000	7,500	8,000	8,500	37,500	16,600/yr

Kingstowne Park Dam Rehabilitation

Lee District

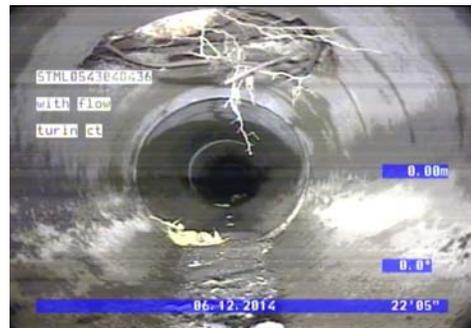


Conveyance System Rehabilitation

Project Title/ Project Number	2016	2017	2018	2019	2020	Total	Full Program
Conveyance System Rehabilitation / SD-000034	6,000	6,500	7,000	7,500	8,000	35,000	10,000/yr



Marc Dr, Mason, Cameron Run



Turin Ln, Sully, Cub Run



Picot Rd, Lee, Cameron Run



Turnbucke Dr, Springfield, Pohick Creek



Center Wy, Providence, Difficult Run



Gromwell Ct, Springfield, Accotink Creek

Streams and Water Quality Improvements

Project Title/ Project Number	2016	2017	2018	2019	2020	Total	Full Program
Stream and Water Quality Improvements / SD-000031	15,280	19,000	22,000	24,500	27,500	108,280	36,500/yr

Fairwoods Pond Retrofit
Sully District



Wolftrap Creek Stream Restoration
Hunter Mill District



Projects in Design

19 Projects with a Total Project Estimate of \$48 million

Stream and Outfall Restoration

- Accotink Tributary at Oakford Drive (Springfield)
- Bullneck Run at Springhill Recreation Center (Dranesville)
- Colvin Run Phase I (Hunter Mill)
- Dead Run at McLean Central Park (Dranesville)
- Dead Run at Dominion Drive (Dranesville)
- Flatlick Phase II (Sully)
- Flatlick Phase III (Sully)
- Indian Run at Indian Run Court (Mason)
- Pohick Creek at Queen Victoria Drive (Braddock)
- Quander Outfall at Mount Vernon Park (Mount Vernon)
- Turkey Run at Langley High School (Dranesville)
- Turkey Run at Truro (Braddock)



Colvin Run Ph I
Hunter Mill District

Projects in Design

19 projects with a Total Project Estimate of \$ 48 million

Pond Restoration

- Potomac Meadows (Dranesville)

Low Impact Design (LID)

- Nottoway Park (Providence)
- Broyhill McLean (Dranesville)
- Mantua Elementary School (Providence)

Neighborhood Improvement and Flood Mitigation

- Hayfield Drainage and Flood Mitigation (Lee)
- Venice Street (Providence)

Dredging

- Royal Lake (Braddock)



Royal Lake
Braddock District

Stream Restoration - Indian Run at Indian Court Mason District



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Outfall Restoration – Quander Road, Mount Vernon District Park Mount Vernon District



Stormwater Management



Flood Mitigation – Venice Street Providence District



Projects Scheduled for Construction in FY 2016

13 Projects with a Total Project Estimate of \$23.6 million

Stream and Outfall Restoration

- Accotink Creek at Daventry Drive (Springfield)
- Accotink Creek at Wakefield Park (AC9210) and (AC9232) (Braddock)
- Difficult Run at Oakton Estates (Sully)
- Flatlick Run Phase I (Sully)
- Inverchapel Outfall Restoration (Springfield)
- Paul Spring Tributary at Gilbert McCutcheon Park (Mount Vernon)
- Pike Branch (Lee)

Pond Retrofit and Dam Rehabilitation

- Colony Park (Braddock)
- Golden Woods (Dranesville)
- Kingstowne Park Dam Repair and Restoration (Lee)

Low Impact Development – retrofit

- Oakton Swim and Racquet Club (Sully)

Neighborhood Improvement and Flood Mitigation

- Franklin Park/Patton Terrace (Dranesville)

Dredging

- Woodglen Lake (Braddock)

Accotink Creek at Daventry
Springfield District



Accotink Creek at Wakefield Park
Braddock District

2015 Partnerships

<u>Agency</u>	<u>Design</u>	<u>Construction</u>
DPWES	16	6
FCPS	13	7
FCPA	6	3
FCDOT	<u>4</u>	<u> </u>
Total	39	16



Spring Hill Recreation Center
Dranesville District



Wakefield Park Stream Restoration
Braddock District

Additional Information

For additional information, please contact

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