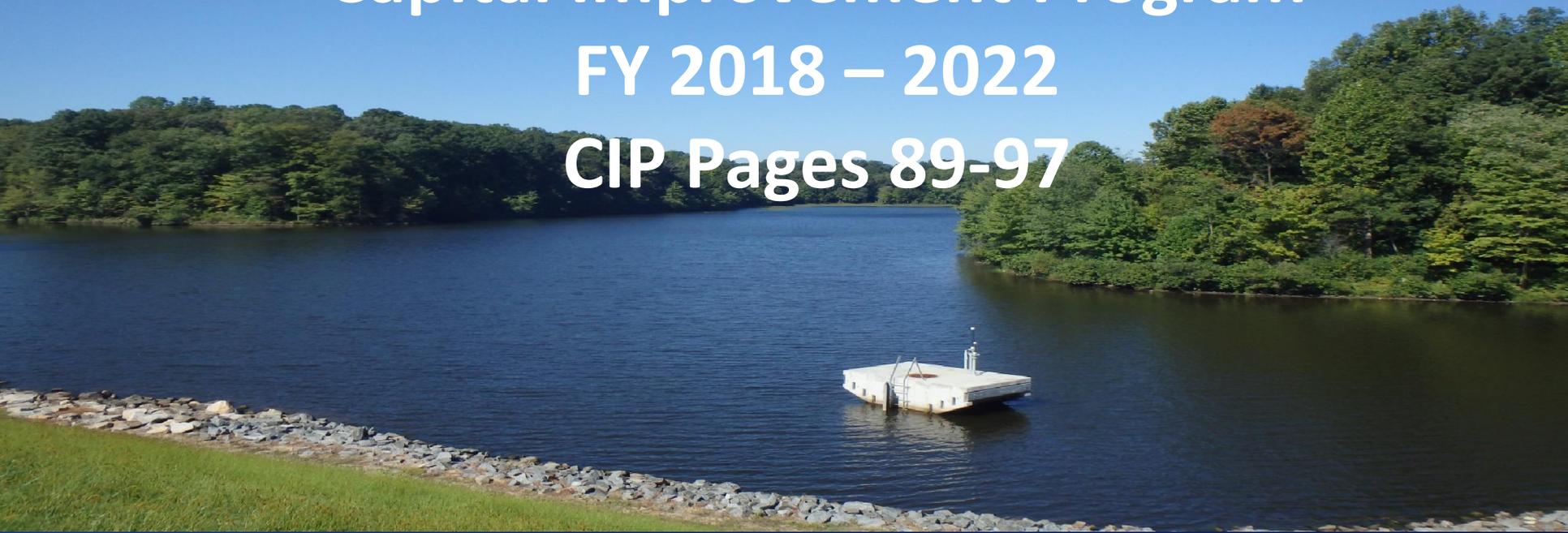


Stormwater Capital Improvement Program FY 2018 – 2022 CIP Pages 89-97



Department of Public Works and Environmental Services
Working for You!



A Fairfax County, VA, publication
March 9, 2018

Drivers

- Chesapeake Bay TMDL (Total Maximum Daily Load)
 - Phosphorus (6,500 pounds/year)
 - Nitrogen (59,400 pounds/year)
 - Sediment (5.3 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)



Wakefield Park South
Braddock District



Patton Terrace
Dranesville District

Flood Prevention (Huntington Area)

Project Title/ Project Number	2018	2019	2020	2021	2022	Total	Full Program
Emergency and Flood Response Projects	15,800	10,110	90			26,000	40,000

Huntington Levee Mount Vernon District



Artists Rendering

Dam Safety and Facility Rehabilitation

Project Title/ Project Number	2018	2019	2020	2021	2022	Total	Full Program
Dam Safety and Facility Rehabilitation / SD-000033	7,500	7,500	7,500	7,500	7,500	37,500	16,600/yr



Royal Lake
Braddock District



Brookefield Dam
Lee District



Conveyance System Rehabilitation

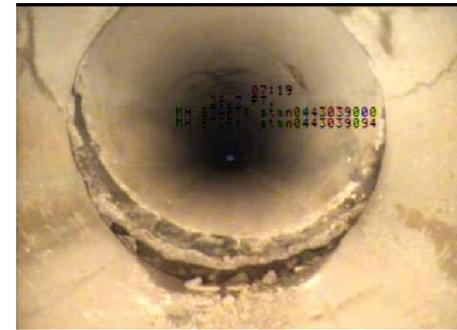
Project Title/ Project Number	2018	2019	2020	2021	2022	Total	Full Program
Conveyance System Rehabilitation	7,000	7,000	7,000	7,000	7,000	35,000	10,000/yr



Greentree Rr. **Mason**, Cameron Run



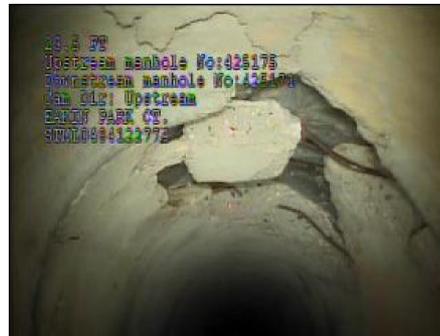
Leafcrest Ln., **Springfield**, Cub Run



Station Valley Ct., **Sully**, Cub Run
Before



Whitcomb Pl, **Dranesville**, Four Mile Run



Eakin Park Ct, **Providence**, Accotink Creek



Sully Station Ct., **Sully**, Cub Run
After



Streams and Water Quality Improvements

Project Title/ Project Number	2018	2019	2020	2021	2022	Total	Full Program
Stream and Water Quality Improvements / SD-000031	22,126	25,000	25,000	25,000	25,000	122,126	36,500/yr



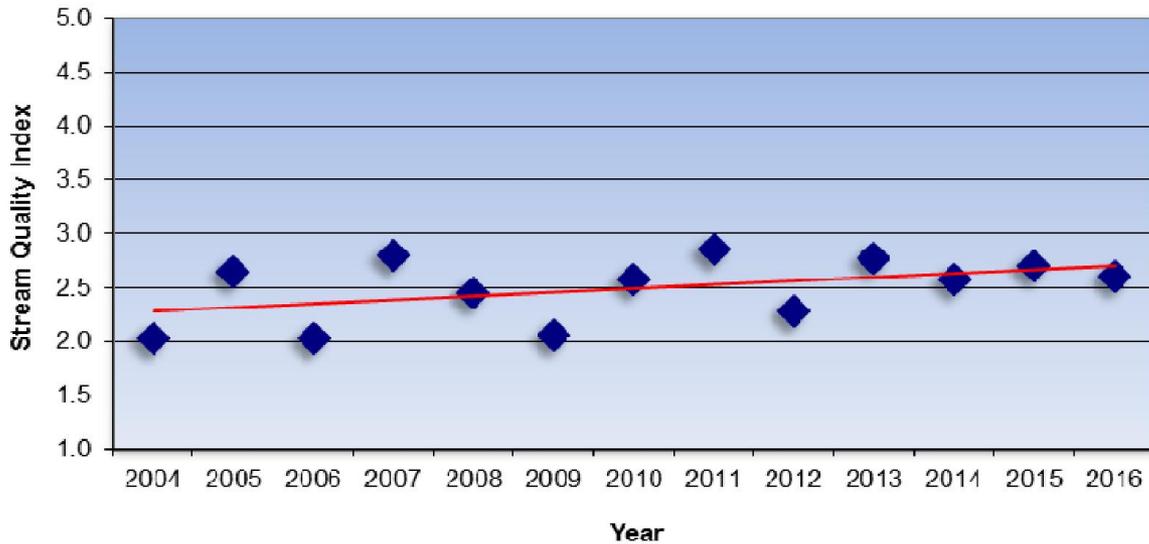
Autumnwood Park
Hunter Mill District



Oakton Estates Stream Restoration
Sully District

Stream Quality Index

Fairfax Countywide Annual SQI



Scotts Run
Providence District



Oakford
Springfield District



Completed Facilities FY 2010 – FY 2016

Practices	Number Installed	Capital Cost (\$/(lb/yr))		
		TN	TP	TSS
Stream Restoration	22	\$ 3,100	\$ 22,000	\$ 61
Pond Retrofits	46	\$ 5,000	\$ 91,300	\$ 38
Infiltration Swales & Trenches	7	\$ 5,300	\$ 58,000	\$ 75
Dry Swales	6	\$ 7,530	\$ 99,500	\$ 150
Bioretention (Rain Gardens)	21	\$ 18,000	\$ 165,000	\$ 223
Pervious Pavement	12	\$ 63,200	\$ 511,500	\$ 593



Streams and Water Quality Improvements

FY 2018 Streams and Water Quality Work Plan

- 37 Projects currently in Design with a Total Project Estimate of \$ 97 million
- 10 Projects in currently in Construction with a Total Project Estimate of \$28 million
- 13 Scheduled to begin Construction with a Total Project Estimate of \$31 million
- 25 Partnership Projects in Design and 5 are scheduled to go to construction



South Run Park
Lee District



Sequoia Park
Mason District

Additional Information

For additional information, please contact

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