

Misc Stream Valley Improvements -- No. 807359

Category	Conservation of Natural Resources	Date Last Modified	January 10, 2008
Subcategory	Stormwater Management	Required Adequate Public Facility	No
Administering Agency	Environmental Protection	Relocation Impact	None.
Planning Area	Countywide	Status	On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY07	Est. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	3,982	0	802	3,180	530	530	530	530	530	530	0
Land	54	0	24	30	5	5	5	5	5	5	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	6,844	0	1,684	5,160	860	860	860	860	860	860	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	10,880	0	2,510	8,370	1,395	1,395	1,395	1,395	1,395	1,395	*

FUNDING SCHEDULE (\$000)

Federal Aid	222	0	222	0	0	0	0	0	0	0	0
G.O. Bonds	3,710	0	410	3,300	550	550	550	550	550	550	0
Stormwater Management Waiver Fees	2,408	0	980	1,428	263	233	233	233	233	233	0
State Aid	2,428	0	898	1,530	255	255	255	255	255	255	0
Water Quality Protection Charge	2,112	0	0	2,112	327	357	357	357	357	357	0
Total	10,880	0	2,510	8,370	1,395	1,395	1,395	1,395	1,395	1,395	0

OPERATING BUDGET IMPACT (\$000)

Maintenance	294	14	28	42	56	70	84
Net Impact	294	14	28	42	56	70	84

DESCRIPTION

This project designs and constructs habitat restoration or stabilization measures to stream reaches having severe channel erosion, sedimentation, and habitat degradation. Absent modern stormwater controls, the stream environment is impacted by excessive stream flow volumes and velocities which severely erode stream banks and cause excessive sedimentation, loss of trees, eroding stream banks, loss of habitat for fish and aquatic life, and/or local flooding damage. Damaged storm drain outfalls in project areas are identified and assessed to determine repair needs. Where possible, outfalls are repaired as part of stream restoration projects and funded from the Outfall Repairs project. When feasible, outfall discharges are redirected to create small constructed wetlands which provide new habitat and mitigate discharge impacts. Stream erosion impacts sanitary sewers crossing the stream, exposing sewer lines and manholes. Exposed and damaged sewer lines can be fish barriers and can leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs. Department of Environmental Protection identifies damaged sewer lines as part of the project and Washington Suburban Sanitary Commission makes sewer repairs during project construction.

COST CHANGE

Increase due to the addition of FY13 and FY14 to this ongoing project.

JUSTIFICATION

The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. This project supports the Chesapeake Bay initiatives and the Anacostia Watershed Restoration Agreement, addresses County municipal National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit requirements, and implements the County's adopted water quality goals (Chapter 19, Article IV). Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, storm drain outfall or sanitary sewer repairs and habitat restoration to improve fish and other biological resources, and reduce sediment and nutrient loading caused by excessive streambank erosion.

Watershed studies, conducted under Facility Planning: SM, identify and prioritize stream reaches in need of restoration and protection. Studies completed in Paint Branch, Rock Creek, Cabin John Creek, Hawlings River, and Northwest Branch have identified over 250 potential stream restoration projects for future design and construction. The Countywide Stream Protection Strategy (DEP 2003) is used to target projects in priority subwatersheds.

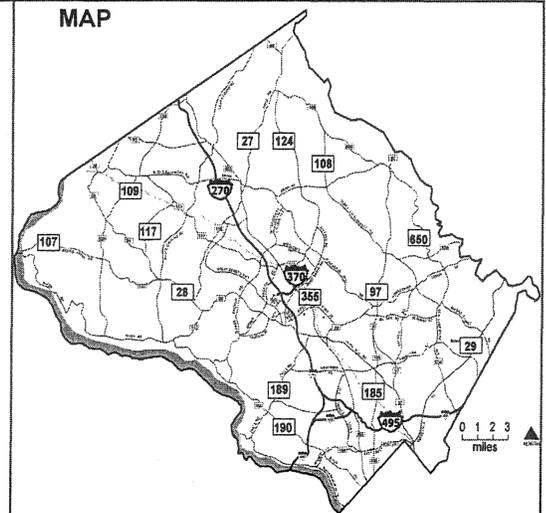
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY73	(\$000)
First Cost Estimate		
Current Scope	FY09	10,880
Last FY's Cost Estimate		9,817
Appropriation Request	FY09	1,395
Appropriation Request Est.	FY10	1,395
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,510
Expenditures / Encumbrances		1,433
Unencumbered Balance		1,077
Partial Closeout Thru	FY06	9,142
New Partial Closeout	FY07	1,727
Total Partial Closeout		10,869

COORDINATION

Department of Environmental Protection
 Department of Transportation
 Maryland-National Capital Park and Planning Commission
 Washington Suburban Sanitary Commission
 Department of Permitting Services
 Montgomery County Conservation Corps

MAP



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OTHER

Remedial project activities are primarily located in areas developed prior to the County's Stormwater Management law.

Phased project groupings planned for FY08-10 are as follows. Construction FY08: Turkey Branch, Alta Vista, Booze Creek. Design FY08 and construction FY09: Glenallan and Pine Lake tributaries, Donnybrook tributary, Hollywood Branch I. Design FY09 and construction FY10: Cold Spring tributary, Snowden / Falling Creek and Stonybrook tributary.

FISCAL NOTE

Starting in FY09 Water Quality Protection Charge is applied to this project to offset the decrease in Stormwater Waiver Fees.

OTHER DISCLOSURES

- The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- * Expenditures will continue indefinitely.