

# Misc Stream Valley Improvements -- No. 807359

Category  
Subcategory  
Administering Agency  
Planning Area

Conservation of Natural Resources  
Stormwater Management  
Environmental Protection  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

January 08, 2010  
No  
None.  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	4,150	0	970	3,180	530	530	530	530	530	530	0
Land	64	0	34	30	5	5	5	5	5	5	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	7,132	0	1,972	5,160	860	860	860	860	860	860	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11,346</b>	<b>0</b>	<b>2,976</b>	<b>8,370</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

Federal Aid	0	0	0	0	0	0	0	0	0	0	0
G.O. Bonds	801	0	801	0	0	0	0	0	0	0	0
State Aid	2,788	0	1,258	1,530	255	255	255	255	255	255	0
Stormwater Management Waiver Fees	233	0	233	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	6,840	0	0	6,840	1,140	1,140	1,140	1,140	1,140	1,140	0
Water Quality Protection Charge	684	0	684	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11,346</b>	<b>0</b>	<b>2,976</b>	<b>8,370</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>1,395</b>	<b>0</b>

## OPERATING BUDGET IMPACT (\$000)

Maintenance				294	14	28	42	56	70	84
<b>Net Impact</b>				<b>294</b>	<b>14</b>	<b>28</b>	<b>42</b>	<b>56</b>	<b>70</b>	<b>84</b>

### DESCRIPTION

This project designs and constructs habitat restoration or stabilization measures for 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, 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 (PDF No. 509948). 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. The Department of Environmental Protection identifies damaged sewer lines as part of the project, and the Washington Suburban Sanitary Commission makes sewer repairs during project construction.

### COST CHANGE

Increase due to the addition of FY15 and FY16 (less FY09 partial closeout) 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 the County's 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, while reducing sediment and nutrient loading caused by excessive streambank erosion. Watershed studies, conducted under the Facility Planning: SM project (PDF No. 809319), identify and prioritize stream reaches in need of restoration and protection.

### OTHER

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

Phased project groupings planned for FY11-12 are as follows. Construction FY11: Donnybrook tributary, Hollywood Branch I. Design FY11 and construction FY12: Breewood tributary. Design FY12: Cold Spring tributary, Snowdens Mill, and Stonybrook tributary.

### FISCAL NOTE

Programmed G.O. bonds and Water Quality Protection Charge revenue replaced with Water Quality Protection bonds.

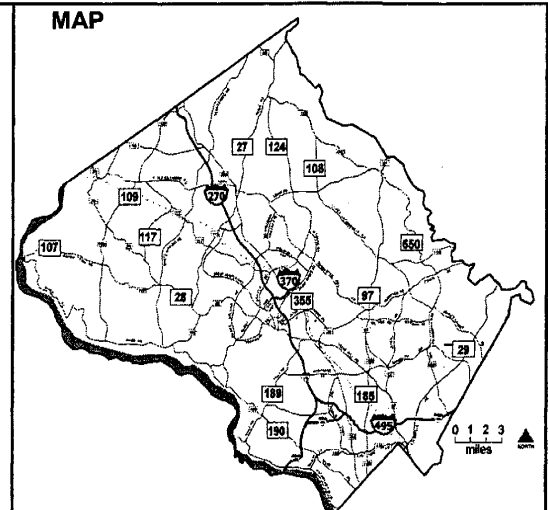
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY73	(\$000)
First Cost Estimate	FY11	11,346
Current Scope		
Last FY's Cost Estimate		9,149
Appropriation Request	FY11	1,395
Appropriation Request Est.	FY12	1,395
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,976
Expenditures / Encumbrances		813
Unencumbered Balance		2,163
Partial Closeout Thru	FY08	12,601
New Partial Closeout	FY09	593
Total Partial Closeout		13,194

### COORDINATION

Department of Transportation  
Maryland-National Capital Park and Planning Commission  
Washington Suburban Sanitary Commission  
Department of Permitting Services

### MAP



## **Misc Stream Valley Improvements -- No. 807359 (continued)**

---

### **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.