

|                                    |  |
|------------------------------------|--|
| Riparian Buffer Planting           | Convert impervious surfaces adjacent to and within stream channels. Improve existing vegetated riparian areas.   |
| Retrofit                           | Provide SM where there isn't. Retrofit ponds to 100-year.  |
| Flood management                   | Identify 3-5 key strategic sub-watersheds within the total drainage area, ideally public spaces. Install 100-year or larger SWM regional facilities at each sub-watershed. Stagger peaks to control time, quantity and velocity. Retrofit of existing facilities will not be as efficient.   |
| Stormwater Management              | Construction of a jetty to alleviate tailwater condition at outfall to Patapsco River. The Tiber would be given the benefit of a less restricted outfall and reduced water surface elevation risk  |
| Stream rehabilitation              | Implement in stream measures such as timber check dams or other structures along with rechanneling or restoration to slow velocity and increase channel storage.   |
| Consistent approach to sewer leaks | Creating a consistent response to, and communication of, sewer leaks into the Patapsco and its tributaries   |
| Patapsco River Overlook            | Take Parking lot B and create a storm water management feature that can function as a park. The river has played such a strong role in the town's history, and parking lot B could become a great overlook park that could be used for picnics, small concerts and events, to observe nature |
| Floodplain Improvement             | Expand natural floodplain areas to receive larger storm events. Create/recreate floodplain areas that are not currently present.   |
| Sustainable Ellicott City          | Figuring out how to balance development with natural systems. A whole watershed approach is needed: big mechanical solutions as well as small things everyone can participate in.  |

|  |   |
|--|---|
| Long Term Vision for Historic EC   | Selectively remove structures from the floodplain and create a linear park that enhances the remaining structures and uses along the Tiber River.   |
| Regional facilities and stream clean-up  | Utilize county and state land along streams to provide storm management for larger storms, either in-stream or off-line. Stream channel clean-up to remove large downed trees and trash that block existing culverts.   |
| Greenspace Sidewalks   | No more parking on one side of Main St.. Extend sidewalk into the road and add a strip of grass or trees or other water absorbing vegetation.   |
| Development Goals  | Preserve natural areas. Return developed areas to a natural state where possible. If development is necessary, ensure zero impact.  |
| 8411 Main St. Damage to Hill   | Rebuild hill to prevent future soil erosion   |
| Flood Plain Parks  | Parkland at critical points that flood during storm events in EC watershed  |
| Add park/open space areas at North and South ends of Fels Lane                         | Creating more visitor friendly open space areas. Native plants and historic interpretive signage  |
| Improvement to Patapsco River Open Space   | Boardwalk with interpretive signs along Patapsco River at Parking lot B. From Army Corps Engineers study dated Jan 2005. Design concept one, simplest and lowest cost of the 4 concepts offered   |
| Patapsco River Debris Removal  | Remove existing and future debris from the Patapsco River from Route 40 to Thomas Viaduct   |
| Removal of invasive plant species along all waterways in town and replace with natives | Removal of invasive plant species along all waterways in town and replace with natives  |
| Tiber Hudson Special Protection Area   | Create a special protection area for the Tiber Hudson watershed that limits development, actively protects land and remaining existing natural areas, has even higher stormwater management standards and promotes green infrastructure and flood mitigation practices. |
| Easements for the streambed  | Obtain easements to allow county to work on private land  |

|   |  |
|---|--|
| Green Fest  | Move green fest to EC to increase foot traffic and educate public about environmental impact of flood on town  |
| Wetlands/watershed education for property owners        | Educate residents about personal watershed/wetland care to include what can be done on their own properties such as rain gardens, steppes, and increase in permeable surfaces etc.   |
| Water Education Day (every July 30th)                   | Create a water education day to educate the public   |
| Rain Barrels  | Economical and visable way to store rainwater. Label with EC Strong (Tree to those who use them)   |
| Hudson Branch Stream Restoration Project Implementation | Implementation of Hudson Branch stream restoration project that is currently being designed. Project location: Papillon Dr to EC Historic Colored School. Contact: Lori Lilly  |
| Knotweed Management                                     | Educate and assist property owners with management of invasive Japanese knotweed along the EC stream channels.   |
| Offer rain barrels                                      | Install for free with volunteer help   |
| Reuse former Roger Carter                               | Create an environmental area linked to flood mitigation on the site of the former Roger Carter Center  |
| Involve Community Associations in Watershed Planning    | The theme of fixing the problem is to start at the outer edges of the watershed and work your way in/down. As such, need to involve all stakeholders - not only for ideas and knowledge but also to be a medium for advocacy and communication. If you fix problems at the outer edge, you mitigate the risks and the costs at the core! |
| Tree Planting where appropriate                         | Tree planting teams can get to work  |
| Tree sidewalk boxes                                     | Putting planting boxes that contain trees or water absorbing plants in the sidewalks   |

|   |  |
|---|--|
| Watershed informational displays  | Tourist/resident information about the watershed and stormwater management. This would also include information about the history of the river and how that contributes to current flooding problems. Informational displays could be placed in all the neighborhoods in the watershed. Also - info about the storm itself would be compelling |
| Capture Chapel View community area runoff as well as other surrounding communities upstream | Water storage and treatment  |
| Main Street Mini-Parks  | Identify small open areas on or adjacent to Main St.. Plant with native plants and incorporate outdoor seating (benches, planters such as those outside Su Casa & La Palapa). Provide appropriate lighting.  |
| Stream restoration  | Correcting and rebuilding infrastructure and streams to help slow the speed of water leading to Old Ellicott City and reclaim the natural ways of the stream   |

New Cut Park

Convert the flatlands along the New Cut Branch south of St. Paul's Church, an area that used to be known as "Forty Acres" and provided a community recreation area, into a waterside green park. Short-cut access could be provided by building an elevated steel grid walkway from the alley by Southwest Connection up the New Cut Branch.

Celebrate the Patapsco

Develop park + recreation areas around the river to draw people into the area. Picnic areas, hiking paths

Slow the Flow

Survey properties either side of the three sub-watersheds of the Tiber-Hudson for flood mitigation potential; build database of location, relevant type of mitigation, potential capacity and estimated cost; submit a twenty-year plan, with budget, for instigating.

Green guard

Eliminate parking on Main Street and add a green layer of plantings, landscaping + pervious surface. Use this to protect a bike lane and pedestrian walkway on one side from car traffic on the other

|  |   |             |
|--|---|-------------|
| It will help manage stormwater for quality and quantity  | Historic Ellicott City and Tiber/Hudson watershed       | \$          |
| Offer green neighborhood points to developers and they will do the retrofits for free.   |   | \$-\$\$\$\$ |
| Reduce flooding, damages, insurance costs, and protect existing structures.  | Historic Ellicott City and upper reach of the watershed | \$\$\$\$    |
| This would be an effective solution to already worrisome drainage concerns. Possible ramifications: COE, MDE approval  | Historic Ellicott City                                  | \$\$        |
| This would be a means of natural and restorative measures to help mitigate and manage flooding, which will help sustain over time  | Historic Ellicott City                                  | \$          |
| Ensuring a clean river, protecting Patapsco Valley State Park- one of Maryland's most frequented parks, protecting the health and well-being of river users- including thousands of non-english speaking visitors who visit the river each weekend in season. Ensuring the continued enviro-tourism, economic success of the river valley. | Historic Ellicott City                                  |             |
| Improvement to local storm water management and infrastructure, while becoming a positive amenity and landmark for residents and visitors  | Historic Ellicott City                                  |             |
| Reduce flooding along Main Street by increasing stream capacities which reduces damage to EC. Improve water quality by utilizing natural meadows for treatment.  | Historic Ellicott City and upper drainage areas         | \$\$        |
| While preserving the local historic character and economy, it could serve as a model for balancing development and environmental concerns.   | Historic Ellicott City and whole watershed              | \$\$\$\$    |

|  |                        |          |
|--|------------------------|----------|
| Avoid serial rebuilding efforts over the coming decades (and longer). Enhance visitors' experience of historic EC.   | Historic Ellicott City | \$\$\$\$ |
| Manage large storm events and release water at a manageable rate to decrease downstream flows.   | Historic Ellicott City | \$\$\$\$ |
| It used to look like this, so this is historical. It will be pretty and make walking nicer.  | Historic Ellicott City | \$\$\$   |
| Improve natural aspect   | Historic Ellicott City | \$       |
| Prevent blocking flow of traffic if the hill is washing into the street  | Historic Ellicott City | \$       |
| Storm water retaining above EC   | Historic Ellicott City | \$\$\$\$ |
| Better visitor experience  | Historic Ellicott City | \$\$     |
| Create a waterside attraction for visitors to enjoy and showcase the reason the town was found - the Patapsco river  | Historic Ellicott City | \$\$\$\$ |
| Reduce the impact of future flooding; provide a more aesthetic view along the river  | Historic Ellicott City | \$       |
| Restore natural environment and improve sustainability of rivers   | Historic Ellicott City | \$       |
| This project will help to preserve existing natural resources, which are needed to help mitigate flood damage. This project will provide for a more resilient watershed and demonstrate to the community and public at large that Ellicott City is truly worth saving. | Historic Ellicott City | \$\$\$\$ |
| Allow access for rebuilding w/ public  | Historic Ellicott City | \$       |

|   |   |      |
|---|---|------|
| More \$ in town, better educated public   | Historic Ellicott City                              | \$   |
| Increase wetlands/watershed conservation, help to deal with runoff  | Historic Ellicott City and any residential property | \$   |
| Build   | Historic Ellicott City                              | \$   |
| A visual reminder that we all need to do our part to manage storm water   | Historic Ellicott City                              | \$   |
| Implementation of Hudson Branch stream restoration project that is currently being designed. Project location: Papillon Dr to EC Historic Colored School. Contact: Lori Lilly   | Historic Ellicott City                              | \$\$ |
| Japanese knotweed is poor at holding streambanks together. Bank erosion is a significant contributor to in-stream sedimentation and reduced channel capacity. Private landowners should be educated to identify the plant and need assistance to remove it. | Historic Ellicott City                              | \$   |
| Hold water  | Historic Ellicott City                              | \$   |
|   | Historic Ellicott City                              |      |
|   | Broader watershed                                   | \$   |
|   | Historic Ellicott City                              | \$   |
| Capturing some stormwater to protect infrastructure. Aesthetically pleasing   | Historic Ellicott City                              | \$   |

|  |  |                 |
|--|--|-----------------|
| <p>This will help sustain public awareness of stormwater management. It would pull the community &amp; watershed residents together over a common issue &amp; motivate them towards a solution. This could be done with/through Howard County Watershed Stewards Academy</p>       | <p>Historic Ellicott City</p>  | <p>\$-\$\$</p>  |
| <p>Reduce volume of upland runoff flowing toward the historic district</p>   | <p>Historic Ellicott City</p>  | <p>\$\$\$\$</p> |
| <p>Improve the attractiveness of EC as a destination (the mini-parks become attractions in themselves). Make visiting EC less physically challenging for old folks, families with small children etc. Provide green spaces to decrease water runoff, increase water retention.</p> | <p>Historic Ellicott City</p>  |                 |
| <p>It would help to rebuild eroded stream beds and correct problems of infrastructure that currently blocks the natural flooding of the area and instead sends the water to Old Ellicott City</p>  | <p>Historic Ellicott City and areas along the Tiber Hudson Streams</p>   |                 |
| <p>This would increase the walking area of Historic Ellicott City and create an additional attraction for locals and visitors, adding a waterfront park area while preserving the New Cut floodplain from further development.</p>   | <p>Historic Ellicott City and New Cut Road, a scenic byway, would be preserved while being made more accessible.</p> | <p>\$\$\$\$</p> |
| <p>It would be an additional draw to bring people into the area</p>  | <p>Historic Ellicott City and Oella</p>  |                 |
| <p>This will demonstrate a commitment to a long term vision of how to reduce the impact of storm water on Historic Ellicott City, with dollar estimates to be met through successive administrations.</p>  | <p>Historic Ellicott City</p>  |                 |
| <p>Create a safer, more pleasant pedestrian experience. Landscaping will help soak up water from minor rain events + protect buildings</p>   | <p>Historic Ellicott City</p>  | <p>\$\$\$\$</p> |