

Sayers, Margery

From: mrjaniszewski@aol.com
Sent: Friday, September 30, 2022 8:47 AM
To: CouncilMail
Subject: Save Historic Ellicott City

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Do you enjoy walking down Main Street in Old Ellicott City? Popping in and out of the shops and having a great meal at one of the wonderful restaurants? The Outdoor Movies at the Wine Bin is a major community builder too! My brother's family lives in Old Ellicott City. The back to back "Once in Century" floods was horrific for this community. To find out that the County continues to allow building that specifically harms this **HISTORIC** town's watershed is disheartening.

The Taylor Highlands developer has cut down **72 of the biggest and oldest trees without authorization** from the Department of Planning and Zoning and they **still want approval to bank 2.1 acres of trees off-site**. How did this happen? How has this developer not been held accountable for doing this and continuing to put this historic community at further risk?

CB54-2022 will protect those trees and this historic town. The Old Ellicott City watershed needs to be protected and we need to stop these tree swaps and prohibit any waivers to cut down the watershed's biggest and oldest trees.

Please support CB54-2022 and put the environment and community **FIRST** and now a developer's wallet.

Sincerely,
Marie Janiszewski

Tell me and I forget, teach me and I may remember, involve me and I learn. ~ Benjamin Franklin

Sayers, Margery

From: James Stewart <djnazz1@hotmail.com>
Sent: Thursday, September 29, 2022 7:25 PM
To: CouncilMail
Subject: Pass CB54-2022!

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Stop letting greedy developers put our life and property at risk, and pass CB54-2022!

James Stewart

Sayers, Margery

From: Robin Russell <robinrussell78@gmail.com>
Sent: Thursday, September 29, 2022 6:18 PM
To: CouncilMail
Subject: CB-54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear members,

I'm writing to support this bill, which would prevent swapping old growth trees in a developer's track for trees located elsewhere. As shown by Hurricane Ian, the effects of climate change are causing the loss of life and property at an alarming rate. Old growth trees are one method of mitigating further loss.

It's time Howard County takes tree preservation seriously, regardless of profit and development. Let's put a big Howard County effort into protecting what we have; please pass this bill.

Sent from my iPhone

Sayers, Margery

From: Megan Johnson <megan.johnson0219@gmail.com>
Sent: Thursday, September 29, 2022 5:50 PM
To: CouncilMail
Subject: District 2 support for CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

As a resident in district 2, I am writing to express my support for CB54-2022. Protecting our existing ecosystem is of utmost importance. The need to save our oldest, largest trees cannot be understated. Trees swaps and waivers place developer interests over the health and longevity of our county.

Please do the right thing for our current residents and for our future by voting for CB54-2022.

Thank you for your time,
Megan Johnson

9457 Greco Garth
Columbia, MD

Sayers, Margery

From: Amy Lynne <amylynne3000@gmail.com>
Sent: Thursday, September 29, 2022 5:05 PM
To: CouncilMail
Subject: Fwd: CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

----- Forwarded message -----

From: Amy Lynne <amylynne3000@gmail.com>
Date: Thursday, September 29, 2022
Subject: CB54-2022
To: Councilmail@howardcounty.gov

Please support this bill.

Enough is enough with continuing to make decisions that add more flood risk to Historic Ellicott City, in the name of developer interests instead of the citizens you were elected to support.

Please support this bill

Sayers, Margery

From: Rose Torosino <rtorosi@hotmail.com>
Sent: Thursday, September 29, 2022 5:04 PM
To: CouncilMail
Subject: Support CB54

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Support CB54!!!

Rosanne Torosino
5199 Talbots Landing

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

Sayers, Margery

From: Roni Berkowitz <roniberkowitz42@aol.com>
Sent: Thursday, September 29, 2022 4:48 PM
To: CouncilMail
Subject: CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To: Howard County Council Members
From: Ronald and Roni Berkowitz (2530 Kensington Gardens; #203; Ellicott City 21043)

We strongly support Council Bill 54-2022, which would stop tree swaps in the Ellicott City watershed and prohibit any waivers to cut down the watershed's biggest and oldest trees. We urge all County Council members to vote in favor of its passage.

Sayers, Margery

From: Kristen Blount <tktblount1@verizon.net>
Sent: Thursday, September 29, 2022 4:42 PM
To: CouncilMail
Subject: CB54

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello:

As a longtime resident of Howard County and as someone who has lived in Elkridge for the past twenty years, we have to stop sacrificing our natural resources for sub developments. It was also one of the greatest reasons for the Ellicott City floods - too much run off coming into the Tiber.

I support CB54!

Kristen Blount

Sayers, Margery

From: Culjat, Roman <rculjat@mdmercy.com>
Sent: Thursday, September 29, 2022 4:22 PM
To: CouncilMail
Subject: Support for **CB54-2022**

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

This message was sent securely using Zix®

Good afternoon,

I would like to express my solid support for **CB54-2022**. I am concerned with how rapidly trees are going down in Maryland and our county. Some developers seem to cut corners (and trees). It is so important to keep our oldest and biggest trees for so many reasons. These trees help keep carbon in the ground, they are so vital to our environment, they are beautiful, they provide shade, and they are crucial to the native species.

Thank you,
Roman Culjat, MD
Lung Specialist at Mercy Medical Center
5239 Harvey Lane
Ellicott City, MD 21043
rculjat@gmail.com

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This message was secured by [Zix®](#).

Sayers, Margery

From: Katelin St. Peter-Blair <katelinspb@gmail.com>
Sent: Thursday, September 29, 2022 3:02 PM
To: CouncilMail
Subject: CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

I'm reaching out to share my support for CB54. Waivers should not be allowed in OEC watershed. As a resident and home owner on Fels Lane in Old Ellicott city, I was disturbed to hear that the developer for the Towns at Court Hill property has received waivers and is requesting an additional waiver to destroy forested land on the property, which includes many trees and one specific very large and very old tree. The run off, loss of habitat and stress on our creek and river system would cause irreparable damage to my historic neighborhood. As we know, the continued deforestation in Ellicott City only exacerbates the flooding risks and issues, and puts our unique historic downtown in harm's way. I do not believe developers should be granted waivers and given the option to pay fines to then be able to destroy the vital forested area surrounding our downtown. The fine is in no way equal to the continued damage caused.

Please consider our city, my neighbors, and the negative impact these developers are making on our environment.

Sincerely,
Katelin St. Peter-Blair
3615 Fels Ln
Ellicott City, MD 21043

Sayers, Margery

From: Karen Breeden <karenbreeden@hotmail.com>
Sent: Wednesday, September 28, 2022 10:23 PM
To: CouncilMail
Subject: PLEASE VOTE AND PASS CB54-2022

Importance: High

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good evening!

Please do the right thing and pass CB54-2022. For many years, the developers have been in control of what is passed and waived. This needs to END now!!!

Karen Breeden

Sayers, Margery

From: Kevin <kmallen111@gmail.com>
Sent: Wednesday, September 28, 2022 8:36 PM
To: CouncilMail
Subject: Vote Yes For CB-54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmembers,

As an Ellicott City resident I'm reaching out to express my support for the passage of CB-54-2022. As a county resident since 1999, I have seen the heart of this county grow, wash away twice, and grow back even stronger. My son works on Main Street, he plays trumpet at EC live music festivals on Main Street, and my family visits Main Street just about every weekend experiencing our incredible, vibrant community. Yet every large storm that comes through raises fear that we will again lose the heart of our town.

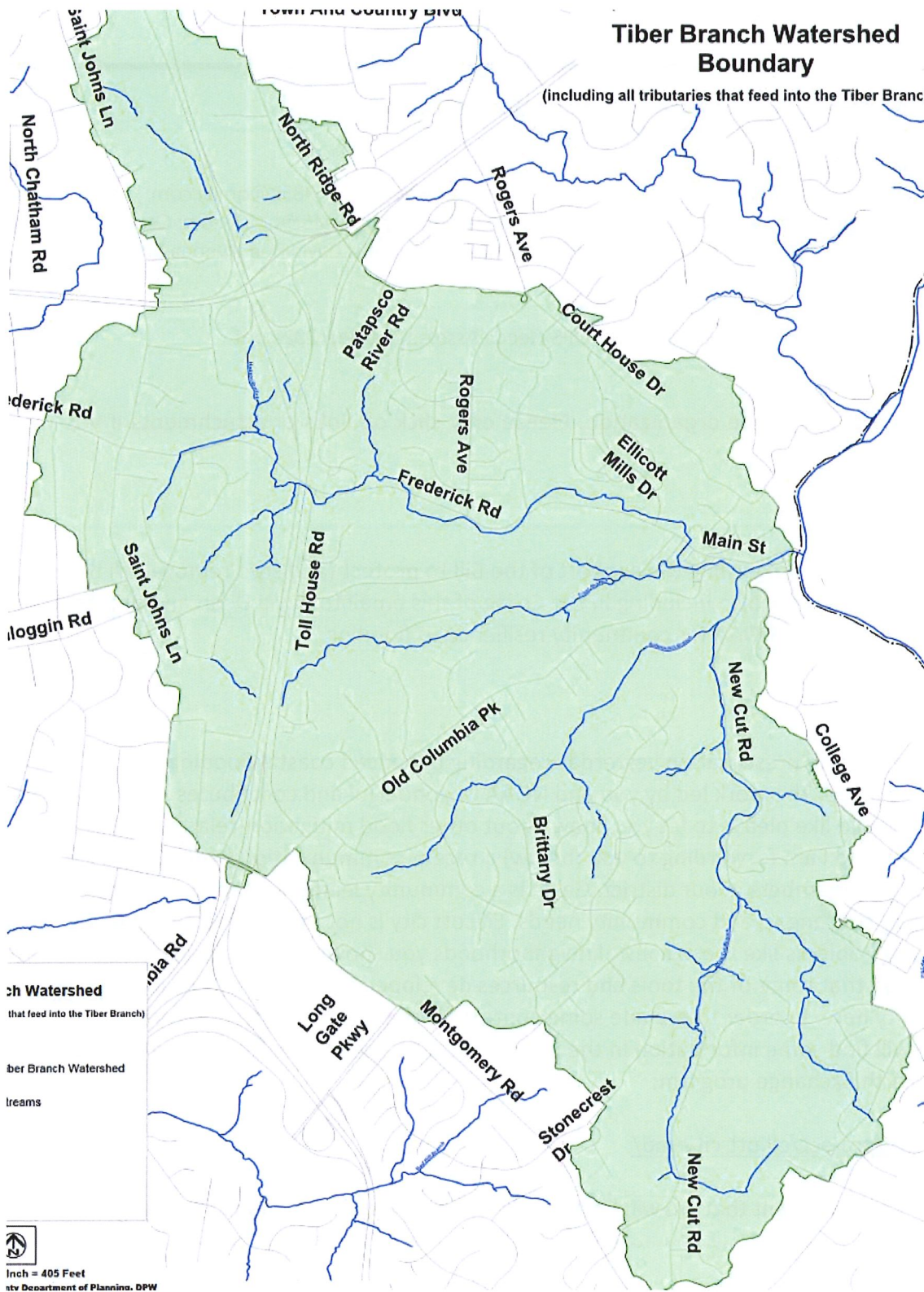
Having read CB-54-2022, I was struck by the Tiber Branch Watershed map (Copied below) showing very clearly how every new square foot of impermeable ground added and every bit of deforestation in the Tiber Branch Watershed directly increases this very valid re-flooding risk. This, combined with global warming which is sure to drastically increase the probability of catastrophic rain events, makes it imperative that we add mitigations AND protect the Tiber Branch Watershed by controlling development in this region of our county.

Please vote YES for CB-54-2022 to show your support for our community, our Main Street, the incredible heart of EC and Howard County.

Regards,
Kevin Allen
10077 Century Drive
Ellicott City, MD
443-832-8925

Tiber Branch Watershed Boundary

(including all tributaries that feed into the Tiber Branch)



Sayers, Margery

From: Jose Manuel Molina Tabares <jomolina10@hotmail.com>
Sent: Wednesday, September 28, 2022 6:14 PM
To: Gayle Killen; CouncilMail
Cc: Glenna Green; Lori Lilly; Krishna Sharma; Steve Diehl; marcellus19832@gmail.com; billknapparts@comcast.net; Asya Abdul-Hadi; tammy.taphouse45@gmail.com; Cecilia Lane; Boston, Denise; Sonnier, Yolanda; Pearce Wroe; Marita Roos; Cayla.Dean@noaa.gov; Brenna.Sweetman@noaa.gov
Subject: Re: Please support CB54
Attachments: NOAA_Science_Seminar_OCM CO-OPS Needs Assessment_Sept2022.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Gayle,

Thank you for sharing your communication regarding the support of the Bill to protect (and stop removal of) trees in the Tiber Branch watershed, Ellicott City. I am also including in the Cc'ing of this email to Cayla Dean and Brenna Sweetman at NOAA. They lead a program at NOAA for community resilience to flooding.

Dear Cayla and Brenna,

Thank you very much for the meeting and presentation yesterday regarding enhanced coastal flooding and community needs under climate change. The work led by you and NOAA is wonderful and contributes significantly to advance community resilience. I would like please to let you know about other flood mitigation-related efforts -led by the community- in Ellicott City, MD, and I am forwarding to you (below) a recent communication (with permission from Mrs. Gayle Killen) to the council members in our district. Gayle is a community leader and knows in firsthand about devastating flooding, recovery challenges, and community needs. Ellicott city is not properly a coastal town, but it faces some similar challenges and problems like those coastal neighborhoods you showed in your presentation (I attach your NOAA PPT here). I hope that some of the tools and resources developed by NOAA in your project may be also of help to the local community here. In order to provide some context for the flood mitigation effort -led by the community- in Ellicott City, you will find some information in the link below, a citizen science project that includes the participation of AGU's Thriving Earth Exchange program:

<https://thrivingearthexchange.org/project/elliott-city-md/>

I appreciate your attention, and I am confident that we will be able to establish further communication and find some ways for collaboration.

Best regards,
Jose M Molina

From: Gayle Killen <killchar@gmail.com>
Sent: Wednesday, September 28, 2022 10:07 AM
To: CouncilMail <councilmail@howardcountymd.gov>
Cc: Glenna Green <glennated@yahoo.com>; Lori Lilly <lorililly@gmail.com>; Krishna Sharma

<krishna.sharma@thebaltimorebanner.com>; Steve Diehl <diehlellc@aol.com>; marcellus19832@gmail.com <marcellus19832@gmail.com>; billknapparts@comcast.net <billknapparts@comcast.net>; Asya Abdul-Hadi <aismaeel04@comcast.net>; tammy.taphouse45@gmail.com <tammy.taphouse45@gmail.com>; Cecilia Lane <ceciliawlane@gmail.com>; Boston, Denise <dboston@howardcountymd.gov>; Sonnier, Yolanda <ysonnier@howardcountymd.gov>; Pearce Wroe <pwroe@swmshoppe.com>; Jose Manuel Molina Tabares <jomolina10@hotmail.com>; Marita Roos <maritaroos@urbanbiology.net>

Subject: Please support CB54

Greetings Council Members,

I own and occupy an historic home on Main Street in Old Ellicott City and have been present for devastating flash floods in Sept 2011 [4.5" in 1 hr, 5" in 2hrs], July 2016 [6" in 203hrs] & May 2018 [8" in 2hrs]. Please keep in mind that storm intensity continues to increase due to more heat and water in the atmosphere and warmer sea surface temperatures are increasing storm precipitation.

My home is the original Icehouse of our nation's founding National Road roots, built in 1809. It is located in the Heritage Community a mile up Main St and well above the Patapsco River. As such, our homes had never been devastated by the historical flooding downtown until September 7, 2011. That's when Lori Lilly showed up with The Center For Watershed Protection at 8518 Main Street and helped us kick off the grassroots community effort known as Ellicott City Flood Solutions.

The forested slopes in and around Historic Ellicott City are vital to managing rainfall. There is no better runoff mitigation than Nature Based Solutions; the founding folks respected this as they constructed our great nation's founding facilities, homes and roads. The current practice of 'fee in lieu' does not respect our Working Forested Slopes and has resulted in severe damages to health and homes, and further displacement of heritage community members that deserve honor and preservation. [such as Hammond Family Heritage on "Hilltop" aka Burgess Mill, 8777 Main Street and 8565 Main Street]

Please do not be misled by terminology in use such as "Woods In Good Condition" especially if the term is being used to endorse equivalency or replacement of existing Working Forested Slopes. The attached PPT illustrates before and after tree removal and the direct and devastating impacts to our homes and community safety [see pages 8-11]. Please understand that the trees around us, near and far, are indeed working components of flood risk reduction.

Development around us persists thus allowing further removal of trees is catastrophically harmful to our homes and our heritage. We need you to protect us now more than ever before, please support CB54.

Thank you for your service,

Gayle Killen

The Icehouse - 8572 Main Street Historic Ellicott City, MD

killchar@gmail.com

443-467-1142

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Every great advance in natural knowledge has involved the absolute rejection of authority.

~Thomas H. Huxley

Sayers, Margery

From: Susan A. White <suwhite@umd.edu>
Sent: Wednesday, September 28, 2022 4:53 PM
To: CouncilMail
Subject: CB54

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Howard County Council members,

Please support legislation CB 54. This concerns Howard County's oldest trees, protecting them from construction/development. The world is losing valuable forested land daily. Protecting the oldest trees helps protect the forest and its denizens. There are ways to allow planned development and still protect forested land. While the Council can't solve the world's climate issues, it can start with protecting county land and provide Howard County residents with greener, more beautiful neighborhoods and a more sustainable future. Thank you for your consideration.

Susan White
4729 Roundhill Rd.
Ellicott City
District 1

Sayers, Margery

From: Gregory Care <gregory.p.care@gmail.com>
Sent: Wednesday, September 28, 2022 4:12 PM
To: CouncilMail
Subject: Support for CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Members of the County Council:

My name is Gregory Care, and I am a resident of District One in Howard County. I write in strong support of CB54-2022.

In brief, our household and many others have become increasingly concerned by the ease and regularity with which developers are permitted to obtain waivers or variances from crucial protections to our environment. Whereas waivers and variances ought to be a true exception to the rules in exceptional circumstances, they appear to have become a given for developers. We have witnessed this in projects in our area, including one directly adjacent to our property. And we are deeply troubled by the allowance of payments in lieu of compliance or allowing "make up" compliance elsewhere that does nothing to account for the irrevocable harm being done to flood mitigation and other environmental concerns on the site where a project is being done. These are abuses of the Code and should be remedied by the proposed legislation.

I am happy to answer any questions you may have. Thank you in advance for your careful consideration of this issue that affects the daily lives of us residents who deal with the consequences of these waivers and variances.

Thank you,
Gregory Care
4640 Ilchester Road
Ellicott City, MD 21043

Sayers, Margery

From: Lori Lilly <lorililly@gmail.com>
Sent: Wednesday, September 28, 2022 2:24 PM
To: CouncilMail
Subject: Support for CB54

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear County Council,

I write in support of CB54 to protect the Tiber watershed and its inhabitants from waivers that may affect the remaining forests and trees in the watershed - these are a critical component of our natural infrastructure, which are needed to support resiliency from future storms and weather events. While waivers may be granted for stormwater, flood and capital projects, I ask that you support, where feasibly possible, the protection of specimen trees in the forest conservation easement area downstream of Papillon Dr where the tunnel inlet is planned and several large trees may be threatened by mitigation actions. Lastly, I would also ask your support for Howard EcoWorks and the Ellicott City Partnership's efforts to support new tree plantings in the watershed - we have received a Community Stormwater grant and will be planting 75 trees in the Tiber Watershed in the coming tree - your support of these efforts is greatly appreciated. Thank you for your consideration.

Lori Lilly
1124 Taylor Park Rd.
Sykesville, MD 21784

--

Lori A. Lilly, CEP, CBLP

Sayers, Margery

From: Kristen King <kristencking@gmail.com>
Sent: Wednesday, September 28, 2022 1:04 PM
To: CouncilMail
Subject: CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To the members of the Howard County Council,

I am reaching out as a concerned resident of the Historic District of Ellicott City to express support for CB54-2022. I beg of you to protect our forested land, our old growth trees, and the watershed. Further development upstream continues to threaten the lives, homes, and businesses of those downstream, especially in the Historic District, and cutting down the woods, especially old growth trees, puts us in grave danger. While planting additional trees is always welcome, new growth trees do not protect our watershed in the same manner, and they provide us with no protection when "replacement" trees are planted in other areas of the County.

Please vote to pass CB54-2022 and show us that our lives, homes, and businesses mean more than the dollars offered by developers.

Thank you for your consideration,
Kristen King
8471 Hill Street
Ellicott City, MD 21043

Sayers, Margery

From: Jillian Adams <jilliandembek@gmail.com>
Sent: Wednesday, September 28, 2022 12:28 PM
To: CouncilMail
Subject: I support CB54-2022!!!

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,
Please vote to support CB54-2022. Our protections for trees must be strong!

I'll be following this closely!

Thank you,
Jill Adams

Columbia, MD resident

Sayers, Margery

From: Tony <tgochal@yahoo.com>
Sent: Wednesday, September 28, 2022 11:36 AM
To: CouncilMail
Cc: Walsh, Elizabeth
Subject: CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Howard County Council Members.

I strongly support Councilwoman Liz Walsh's legislation to stop completely the process whereby a developer is allowed to buy the right to cut down currently alive trees. These trees are what are protecting us from more flooding and are also contributing to our efforts to get control of climate change. Trees are essential to this.

It is obvious by the mere fact that a developer thinks it is okay to pay a fee instead of helping the community in which they are building, shows they really don't care about flooding, climate change and the well being of Howard County.

Enough is enough. We have to stop the madness that developers are the life support system for Howard County. They are not!

Please vote for CB54-2022.

Thank you.
Tony Gochal
Ellicott City

Sayers, Margery

From: Laura Janiszewski <laurajhome@verizon.net>
Sent: Wednesday, September 28, 2022 11:08 AM
To: CouncilMail
Subject: CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

I will keep this simple....As a resident of Old Ellicott City I beg of you to pass this bill on behalf of the history, beauty and livelihood of d Ellicott City.

Laura Janiszewski
8497 Hill Street
Ellicott City

[Sent from Yahoo Mail on Android](#)

Sayers, Margery

From: Ryan Simmons <ryan@simmons.net>
Sent: Wednesday, September 28, 2022 10:44 AM
To: CouncilMail
Subject: Please support CB54-2022

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Howard County Council,

I am writing to encourage all Councilmembers to support CB54-2022 that will help protect the watershed for the Ellicott City Historic District. Councilmember Walsh has designed CB54 to apply only to the the Ellicott City watershed because of its vulnerability to severe, fatal flooding. The fact that development continues in the watershed that will add to future severe flooding is unconscionable. Back to back fatal floods in 2016 and 2018 in Ellicott City and elsewhere along the Patapsco River, not to mention severe flooding in 2020 nearby along Bonnie Branch, show that such flooding is no longer "100 year" flooding but rather "normal" flooding. We must act to protect all of the Patapsco River watershed, but particularly the watershed feeding into the Tiber Branch along Main Street in Ellicott City. The lives of the residents, business owners and visitors in Old Ellicott City, as well as the property throughout the Historic District, demand action.

Please support CB54-2022 to slow down and stop the destruction of the Ellicott City watershed.

Respectfully,

Ryan Simmons
4615 Bonnie Branch Road
Ellicott City, MD 21043

Sayers, Margery

From: Baker, Kevin
Sent: Wednesday, September 28, 2022 10:15 AM
To: Sayers, Margery
Subject: FW: Support for CB54-2022

For Related Documents under CB54.

From: Chris McDonald <chris@greystoneinvesting.com>
Sent: Tuesday, September 27, 2022 9:46 PM
To: Baker, Kevin <kebaker@howardcountymd.gov>
Subject: Fwd: Support for CB54-2022

FYI

----- Forwarded message -----

From: Chris McDonald <chris@greystoneinvesting.com>
Date: Tue, Sep 27, 2022 at 9:08 PM
Subject: Support for CB54-2022
To: <CouncilMail@howardcountymd.gov>

Hi,

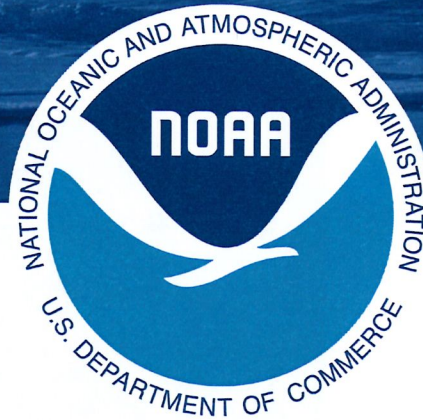
I support - **CB54-2022 would preserve the forest *and* the trees.** No more waivers to cut down our oldest, biggest trees in the old Ellicott City watershed. And no more saying goodbye to some of the best natural flood mitigation we can get.

Don't cut down any more trees or have a plan to replace them, please.
Chris

--



Chris McDonald, Realtor ®
Direct: (410) 596-7910
chris@greystoneinvesting.com
greystoneinvesting.com



Coastal Flooding in the Face of Climate Change: Understanding Constituent Needs

**Brenna Sweetman, Social Scientist
NOAA's Office for Coastal Management**

**Cayla Dean, Outreach Specialist
NOAA's Center for Operational Oceanographic Products and Services**



HIGH TIDE FLOODING



300 - 925% increase over 50 years
10 to over 30 times per year
creates public safety and health risks

Source: Sweet et al. (2014)



Application of NOAA's Service Delivery Framework



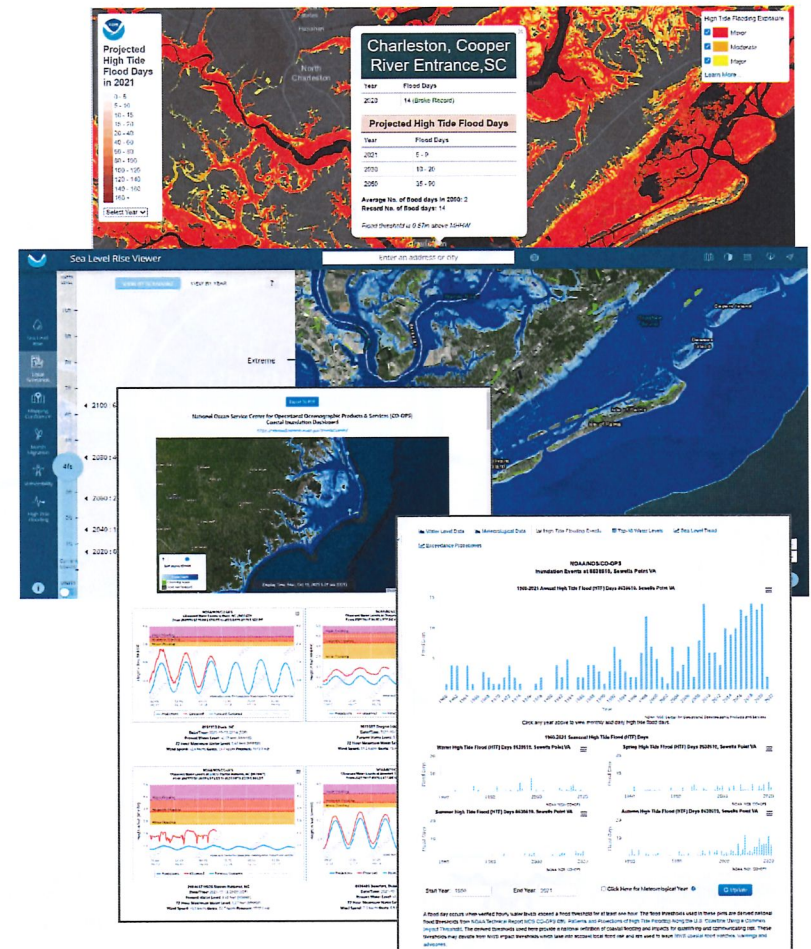
A NOAA CAPABILITY FOR
Coastal Inundation
Information and Services
at Climate Timescales
to Reduce Risk and
Improve Resilience

APRIL 2021



Project Objective

What information and decision support tools do coastal communities need to improve resilience to future flooding on climate timescales?



Virtual Workshops 2021-2022

Date	Topic	Attendees
Nov 2021	Planner Professionals	68 attendees
Jan 2022	Transportation & Navigation	34 attendees
Mar 2022	Realty & Insurance	19 attendees
May 2022	Health & Human Services	11 attendees
June 2022	Natural Resource & Floodplain Managers	77 attendees

What we wanted to learn

Questions to Stakeholders

- What challenges does future coastal flooding present in your community?
- What information and tools do you need to manage the risk of future flooding?

Key Findings: Planners

- If/when sea level rise scenarios
- Easily interpretable data
- High resolution compound flood information
- More Alaska-specific information
- Greater understanding of national vs. state sea level rise projections
- Greater understanding of social vulnerabilities
- Guidance needed- too many tools
- Greater ability to integrate across products and agencies
- Guidance on interpreting new data and science
- Assistance communicating changing science to the public

Key Findings: Planners

*“We need to know **where vulnerabilities are greatest**, and in those locations, what are the **capacities of the people** living and working in those places.”*

*“(We need) **layman's terms** to explain why climate predictions changed to stakeholders. This would be helpful.”*

Key Findings: Transportation & Navigation

- Need information on flood risk impacts to wharf designs, ferry terminals, roadways, coastal airports
- Need information on precipitation, compound flooding, water level information to raise roadway profiles
- Need high tide information in transportation tools
- Need more coordination and collaboration across sectors
- Many unfamiliar with NOAA and flood products- lack of awareness of existing resources

Key Findings: Transportation & Navigation

*“Baseline data, with respect to current transportation infrastructure in the **Great Lakes**. How old is the existing infrastructure? What are the most vulnerable ports in the Great Lakes, given the age of infrastructure and risk of inundation?”*

Key Findings: Realtors & Insurers

- Need simplified messaging on coastal flood risk with multiple learning options
- Better understanding of equity challenges of property owners
- Ability of tools to apply to local and underserved populations
- Lack of awareness of coastal flood risk products and tools

Key Findings: Realtors & Insurers

*“I’m interested in a tool that **simplifies access to information**. The tools are all there, but figuring out how to give those tools to people in the insurance industry and find the right way they interact with a product is the challenge.”*

*“The NOAA tools are helpful in our area. But for the populations we are studying? No. They are **people who have become displaced** or are **chronically homeless, transient or migratory**. There are few tools nuanced enough to apply to these populations. Most seem to target properties or seem to primarily benefit property owners.”*

Key Findings: Health & Human Services

- Public health challenges of future flooding
- Barriers for low income communities to receive pre- and post-flood information
- Churches and houses experiencing mold post-flood
- Impacts on public transportation
- Drinking water impacts from flood waters and toxic water releases
- Education disruptions from school closures

Key Findings: Health & Human Services

*“Churches are community centers. When severe events happen, **mold** is a concern. It is a problem in normal conditions, nevermind the mold from flooding and its health repercussions. Suspect the community doesn’t have the support it needs from the insurance agency. The insurance industry is seen as aiming to refute claims from flooding/ mold.”*

*“Information is not necessarily present in **communities of color and disadvantaged communities**. Those neighborhoods suffer from poor air quality and effects from the coastal water’s flooding frequency...We are lacking the tools on knowing what to do when people aren’t able to leave a devastated area.”*

Key Findings: Natural Resource & Floodplain Managers

- More information on sea level rise projections
- Compound flood information
- Updated precipitation frequency information (Atlas 14)
- Tools for municipal government
- Impacted septic systems information
- More Great Lakes water levels information
- Mobile-friendly GIS products and services
- Assistance balancing competing economic development interests
- Greater collaboration across various levels of government

Key Findings: Natural Resource & Floodplain Managers

*“Putting profit and pro-development over floodplain management. One of the problems is that government officials are going to overlook floodplain mgmt. and put regulations in place to manage it because it interferes with money and property. People want those properties on the beach. We have to find the **balance between giving people what they want and explaining that they don’t really want to be right on the beach in case of a hurricane or some similar event.**”*





Cross-Cutting Needs Across Workshops

- Enhanced equity
- Communication, education and outreach needed
- Improved interagency coordination and collaboration
- High-touch decision support tool assistance
- Improved and updated technical data
- Social infrastructure risk and vulnerability
- Identify and address emerging issues
- Address data differences for regions
- Total water level information (compound flooding hazards)

Have you heard similar needs from your coastal stakeholders?

Next Steps

- Research emerging and intersecting **social science** topics
- Connect with those working with **underserved** to help translate information and creatively communicate with diverse audiences
- Review **previous needs assessments** and identify future priorities
- Conduct **outreach, education and engagement** to expand awareness of flood NOAA coastal resources
- **Coordinate** across other agencies

NOAA Inundation Resources

- [The Digital Coast](#)
- [NOAA Sea Level Rise Viewer](#) and [NOAA Lake Level Viewer](#)
- [Adapting Stormwater Management for Coastal Floods](#)
- [Coastal County Snapshots](#)
- [Map of NOS coastal stations](#)
- [Physical Oceanographic Real-Time System \(PORTS®\)](#)
- [Coastal Inundation Dashboard](#)
- [Extreme Water Levels](#)
- [2022 Sea Level Rise Technical Report](#)
- [State of High Tide Flooding and Annual Outlook](#)
- [Sea Level Rise Application Guide](#)
- [High Tide Bulletin](#)



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Thank you!
Questions?

Sayers, Margery

From: Gayle Killen <killchar@gmail.com>
Sent: Wednesday, September 28, 2022 10:08 AM
To: CouncilMail
Cc: Glenna Green; Lori Lilly; Krishna Sharma; Steve Diehl; marcellus19832@gmail.com; billknapparts@comcast.net; Asya Abdul-Hadi; tammy.taphouse45@gmail.com; Cecilia Lane; Boston, Denise; Sonnier, Yolanda; Pearce Wroe; Jose Manuel Molina Tabares; Marita Roos
Subject: Please support CB54
Attachments: TEX intro to Historic Ellicott City Hudson Branch.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Greetings Council Members,

I own and occupy an historic home on Main Street in Old Ellicott City and have been present for devastating flash floods in Sept 2011 [4.5" in 1 hr, 5" in 2hrs], July 2016 [6" in 203hrs] & May 2018 [8" in 2hrs]. Please keep in mind that storm intensity continues to increase due to more heat and water in the atmosphere and warmer sea surface temperatures are increasing storm precipitation.

My home is the original Icehouse of our nation's founding National Road roots, built in 1809. It is located in the Heritage Community a mile up Main St and well above the Patapsco River. As such, our homes had never been devastated by the historical flooding downtown until September 7, 2011. That's when Lori Lilly showed up with The Center For Watershed Protection at 8518 Main Street and helped us kick off the grassroots community effort known as Ellicott City Flood Solutions.

The forested slopes in and around Historic Ellicott City are vital to managing rainfall. There is no better runoff mitigation than Nature Based Solutions; the founding folks respected this as they constructed our great nation's founding facilities, homes and roads. The current practice of 'fee in lieu' does not respect our Working Forested Slopes and has resulted in severe damages to health and homes, and further displacement of heritage community members that deserve honor and preservation. [such as Hammond Family Heritage on "Hilltop" aka Burgess Mill, 8777 Main Street and 8565 Main Street]

Please do not be misled by terminology in use such as "Woods In Good Condition" especially if the term is being used to endorse equivalency or replacement of existing Working Forested Slopes. The attached PPT illustrates before and after tree removal and the direct and devastating impacts to our homes and community safety [see pages 8-11]. Please understand that the trees around us, near and far, are indeed working components of flood risk reduction.

Development around us persists thus allowing further removal of trees is catastrophically harmful to our homes and our heritage. We need you to protect us now more than ever before, please support CB54.

Thank you for your service,
Gayle Killen
The Icehouse - 8572 Main Street Historic Ellicott City, MD
killchar@gmail.com
443-467-1142

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Every great advance in natural knowledge has involved the absolute rejection of authority.
~Thomas H. Huxley



WELCOME TO THE
HUDSON BRANCH
ON MAIN STREET IN
HISTORIC ELLICOTT
CITY, MARYLAND

Introduction by Gayle Killen, community member Ellicott City Flood Solutions

At the nearest NOAA weather station located in Woodstock, the best estimate for a 2-hour, 1000-year storm is 4.75 – 6.19 inches

2011
• 5 inches of rain within 2 hours



2016
• 5.5 inches of rain within 1.5 hours



2018
• 8 inches of rain within 2 hours

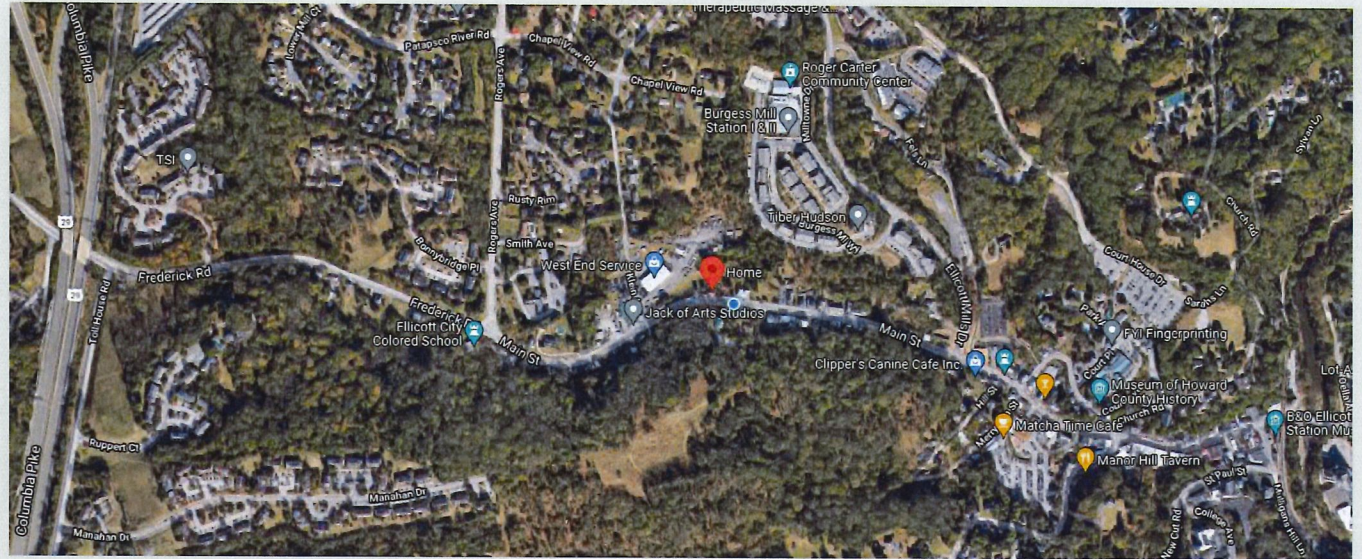
????
• How soon?
• How much rainfall?
• How fast?

It's a small watershed with a 250-foot drop in elevation over 2 miles.
(top - Google 2021)

Our historic Main Street community is located along The Hudson Branch, halfway between Ridge and River.

The Hudson Branch is one of three tributaries converging to enter The Patapsco River.

*(bottom -
DEC2019 USACE report)*



8600 MAIN STREET

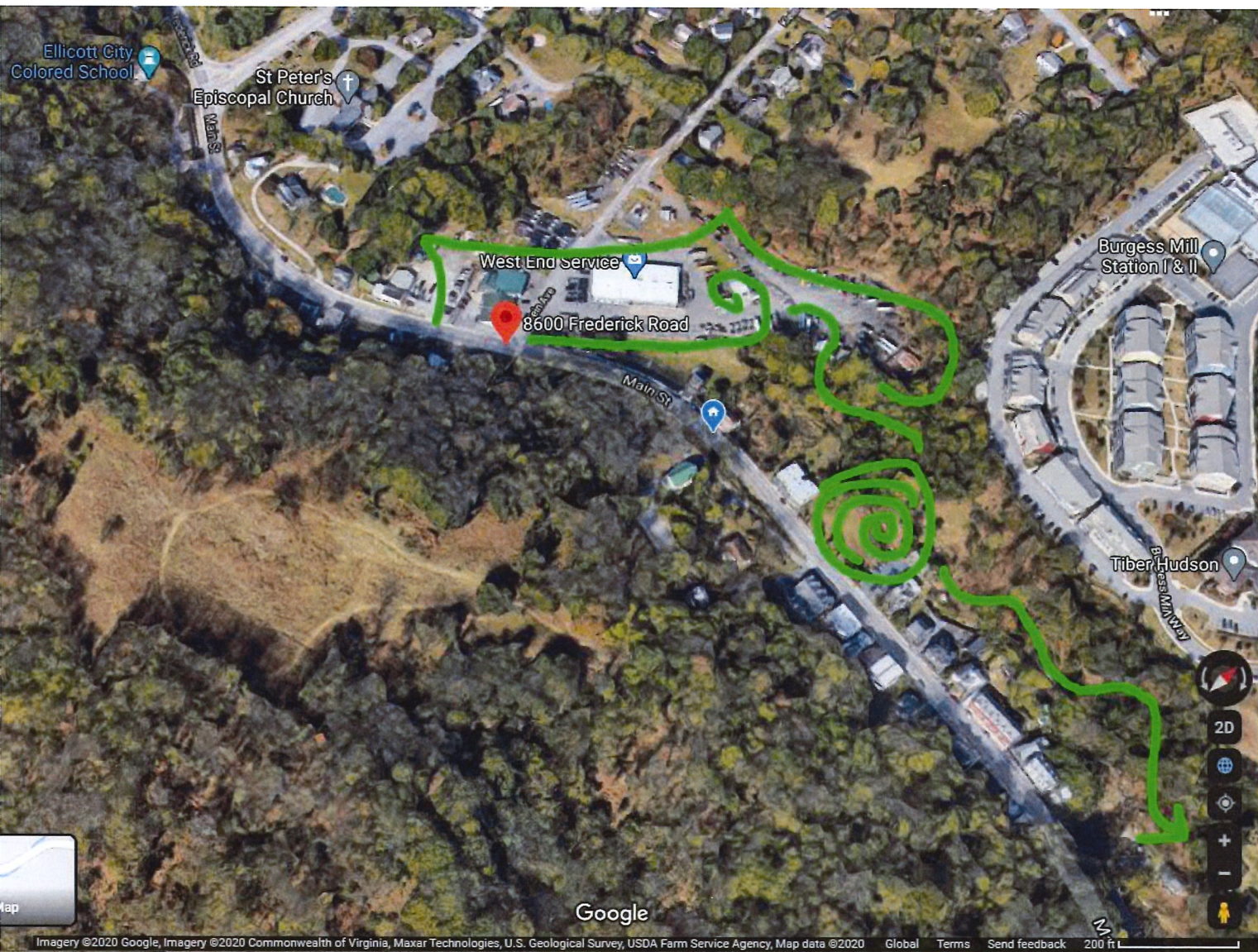
The Hudson Branch flows into this 8-12 ACRE area



This land currently:

- Accelerates velocity of runoff
- Diverts high velocity runoff into heritage homes
- Rinses toxins into yards, homes and waterways of the US





If we were to allow The Hudson Branch to enter 8600 naturally, it could help manage the increased conveyance from the ridges, making runoff potentially less costly and catastrophic.



Each represent a different building practice unique to Mill Towns of the 1800-1900s



Until recently these homes were surrounded by protective vegetation and thrived alongside Patapsco River tributary, The Hudson Branch.

(TOP to BOTTOM – 8578, 8590, 8601, 8611 Main Street)



The character of Ellicott City's steep hillside landscape is defined by dense vegetation that works to significantly delay runoff and reduce the velocity of storm water around historic structures.



Historic Main Street Community

Throughout the historic community, high velocity runoff scours earth between buildings and road.



West of 8600 Main Street
8629, 8637, 8639, 8643 MAIN STREET - Google Image 2019

8" curb design would reduce surface flow.



East of 8600 Main Street
8518, 8512, and beyond - Google Image 2019

Much of Main Street community benefits from something as simple as an 8" curb and in some places a knee wall.



Risks to Main Street homes

Historic Roger Carter Home
8611 MAIN STREET
DOES NOT FLOOD.
(Image capture July 2011 Google)



Home protected by wall on south and east flanks
From south hillside, culvert overflow washes out front yard
(Image capture 2020 Google)



8611 MAIN STREET benefits from restored vegetative buffer to slow the flow and stabilize erosion threats.

This front yard was harmed by reduction of the 8600 culvert size (2012).

This home is harmed by a hump in the road directing flow away from West End Service Truck Repair.



Risks to Main Street homes

8601 MAIN STREET

did not flood in 2011 flash flood

(Image capture July 2011 Google)



8601 MAIN STREET benefits from restored vegetative buffer to slow the flow and stabilize erosion threats.

This heritage home benefits from runoff protection from development access road affecting south and east flanks.

This home was harmed by reduction of the 8600 culvert size and development access road.

This home is harmed by a hump in the road directing flow away from West End Service Truck Repair.

Flooded heavily in both 2016 and 2018

- flooded with 1.5-2' of water on 1st floor
- high speed runoff from South hillside entered back door
- 8600 culvert overflow scoured front yard.

(Image capture August 2019 Google)



Risks to Main Street homes

8590 MAIN STREET

(Image Nov 2007 Google)



(Image Aug 2019 Google)



Notable loss of vegetation on both sides of Main St increases velocity, instability and erosion from south hillside

(Image Aug 2019 Google)



8590 MAIN STREET benefits from 8" curb, knee wall around parking lot and vegetative buffer.

This heritage home is harmed by high velocity runoff from the development access road and from parking lot.

This home was harmed by reduction of the 8600 culvert size.

This home becomes resilient through wet-proofing in basement.



Risks to Main Street homes

8578 MAIN STREET

Rentals currently occupied.

(Image capture July 2011 Google)



*Since 2011, sink hole persists behind home where large tree was removed.
Vegetation out front also removed. Historic floodplain wall removed.
The home is now surrounded by compacted slopes.
(Image capture 2020 Google)*



8578 MAIN STREET benefits from restored vegetative buffers to slow velocity and stabilize erosion threats.

This heritage home benefits from runoff protection from truck repair parking lot.

This home becomes resilient through wet-proofing in basement.

This home was harmed by reduction of the 8600 culvert size and the abandonment of the floodplain wall along Main St.



Risks to Main Street homes

The wall along the floodplain was originally dry stacked by Quakers in the 1800s.

It was disassembled and replaced with a sloppy mortared façade just months *prior* to 2016 flash flood.



Picture above taken just before 2016 flash flood (FEB2016) shows LOD marked and newly built façade

The façade failed during 2016 flash flooding.

The wall helped runoff slowly enter a floodplain.
The wall is now compacted slope (below).
Compacted slopes increase flash flood velocity.



Why am I here? I have studied watershed recovery and natural building since I was very young. Both passions have proven useful. I bought my Ellicott City home in 2010 and watched the basement, yard, Main St and neighbors suffer a flash flood in 2011. In 2016 another flash flood scoured Main St away from the front of my home, taking my front step with it. In 2018 only the yard showed evidence of destructive flood water, where captured sediment now topped the yard and weighed down young plantings.

Why not mow my ½ acre like a normal person? Instead of scouring land away, flood waters slow down inside my ½ acre of floodplain. I rebuilt the Hudson bank behind my home after the 2011 flash flood ripped 10' of land away. A visiting DNR inspector and ACOE surveying commended the overflow area built to give surges some relief in the channel. I also dug a detention area adjacent to the Hudson channel. It's 1/8 acre that's now peaks and valleys with fruit trees planted on the peaks. The hardest to maintain is a riparian buffer on the west flank of my home, due to "interest" in redeveloping the land adjacent. I have about 2-3' maximum to work with there, and again I maintain a mixture of peaks and valleys and filled with native plants and grasses.

Why go to all the effort if town will flood anyway? Because you can't 100% flood-proof these homes but you can "Wet-Proof" so that they're resilient to increased storm intensity. I have reinforced and wet-proofed my own historic structure using Howard County Flood Proofing Grant funding. I moved all electric and utilities up out of the basement and installed a tankless water heater under the steps to the second floor. I insulated the wood framed walls with 8-14" thick Hemp-Lime. Hemp-Lime is a non structural material cast around the building frame. It is 3x more elastic and 7x stronger than traditional concrete. It gains strength over time with exposure to air, lacks the brittleness of concrete and does not require expansion joints. Once cast in place it hardens as petrified rock and is 1/7th the weight of concrete. Hemp-Lime is resistant to fire, flood, pest, insects, mold, fungus, earthquakes and its sound absorption qualities have made it an ideal candidate for sound barriers on highways. It provides humidity regulation and thermal energy performance at R2.5-3/inch. Hemp-Lime can be finished with plaster identical to historic plaster in heritage buildings.

These experiences have given me confidence that we can reinforce structures and wet-proof to prepare for imminent surges of storm intensity. I'm ever hopeful – but we need your help!

