



Carroll County Environmental Advisory Council

225 N Center Street
Westminster, MD 21157-5194
Telephone: 410-386-2140

Craig Paskoski, Chair
Curtis Barrett, Vice Chair

CarrollCountyMD.gov/EAC ♦ EAC@CarrollCountyMD.gov

*Brenda Dinne,
Staff Liaison/Secretary
Department of Land
& Resource Management*

Meeting Summary for January 18, 2023

Members

- Charlene Norris
- Curtis Barrett
- Kathleen Marasco
- Craig Paskoski

- Tom Scanlan
- Tamara Strobel
- Frank Vleck

County Government

- Brenda Dinne, Special Projects Coordinator/
EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speakers

- None

Other Attendees

- None

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the January 18, 2023, meeting of the Environmental Advisory Council (EAC) to order at 2:58 PM in Room 204 of the County Office Building.

2. WELCOME NEW MEMBER: TAMARA STROBEL -

- Ms. Strobel introduced herself. She works in the environment field and has a Masters in Entomology. She has a passion for native plants. The other EAC members introduced themselves and briefly shared their backgrounds.

3. APPROVAL OF MEETING MINUTES -

a. November 16, 2022

Discussion/Decision:

- Approval of the November minutes was discussed. No changes were made.

APPROVAL OF MINUTES - Motion 434-23: Motion was made by Frank Vleck and seconded by Curtis Barrett to approve the November 16, 2022, meeting minutes as written. Motion carried.

4. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held on February 15, 2023, at 6:30 PM via GoToMeeting. The agenda will include discussion of the 2023 update of the Environmental Stewardship booklet and continued discussion of the 2023 Environmental Action Awards.

- The annual joint meeting with the Board of County Commissioners will be held on January 26, 2023. It is anticipated to start at 1:00 PM in the Reagan Room. The EAC will review the annual report and the proposed work plan projects. Chair Paskoski will review the annual report. Frank Vleck will review the proposed work plan projects. All members present at this meeting plan to attend except for Mr. Barrett.

5. NEW BUSINESS –

a. Environmental Stewardship Booklet 2023 Update – Discussion

Discussion:

- Ms. Dinne identified updates needed and will request them from appropriate staff. Potential content to add since the 2021 update was discussed and includes:
 - Index of content for the first page
 - Add hyperlinks to EAC products
 - Four awards received by the Land & Resource Management Department (LRM) in 2022
 - New NPDES MS4 permit
 - Environmental Symposium
 - Water Resources Element (WRE)
 - Helping Hands program through Recreation & Parks
 - Carroll Environment Facebook Page
- Ms. Dinne will update the document and add these items. The updated draft will be brought back to the EAC to review.

Action Items:

- ★ n/a

Reference/Attachment(s):

- n/a

6. BUSINESS IN PROGRESS –

a. 2023 Environmental Action Awards

Discussion:

- JeannieBird Baking Company is confirmed for a gift basket and gift cards for a prize.
- Ms. Norris will continue to follow up with Atlantic Blue.

Action Items:

- ★ Mr. Barrett As JeannieBird to send Ms. Dinne their logo to add to the webpage and materials
- ★ Ms. Norris Continue to follow up with Atlantic Blue Water Service regarding interest in sponsoring a student award again for this cycle.

Reference/Attachment(s):

- N/A

7. OTHER -

- **Master Gardeners' Earth Day Event:** Mr. Barrett indicated it would be good to have representation by the EAC at the Master Gardeners' event.

Action Items:

- ★ Ms. Dinne Touch base with Master Gardeners' re: Earth Day event

8. PUBLIC COMMENTS & CONCERNS -

- None.

9. ADJOURN REGULAR MEETING -

- The meeting adjourned at 4:16 PM. The next monthly meeting is scheduled for Wednesday, February 15, 2023, at 6:30 PM via GoToMeeting.

MEETING ADJOURNMENT - MOTION 435-23: Motion was made by Tom Scanlan and seconded by Kathleen Marasco to adjourn the January 18, 2023, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting - Wednesday, February 15, 2023 @ 6:30 PM, GoToMeeting*



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- Brenda Dinne, Special Projects Coordinator/
EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

- Chris Heyn, LRM Director, CCG

Other Attendees

- None

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the February 15, 2023, meeting of the Environmental Advisory Council (EAC) to order at 6:31 PM via GoToMeeting.

2. APPROVAL OF MEETING MINUTES -

a. January 18, 2023

Discussion/Decision:

- Approval of the January minutes was discussed. No changes were made.

APPROVAL OF MINUTES - Motion 436-23: Motion was made by Tom Scanlan and seconded by Kathleen Marasco to approve the January 18, 2023, meeting minutes as written. Motion carried.

3. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held on March 15, 2023, at 3:00 PM in person in Room 204 of the County Office Building. The agenda will include continued discussion of the 2023 update of the Environmental Stewardship booklet and 2023 Environmental Action Awards, as well as an update on the Northern Landfill study by Cliff Engles, Solid Waste Bureau Chief, and a review of the scope for the Invasive Plant Species Public Outreach piece.
- Per the EAC's request at the January 18 meeting, Ms. Dinne contacted John Hubbs with the Master Gardeners to indicate the EAC will participate in the Master Gardeners Earth Day event at Piney Run Nature Center on April 22, 2023. Mr. Paskoski indicated he could be there for the entire 1:00 to 4:00 PM timeframe. Ms. Marasco and Ms. Strobel also indicated they could participate.

4. NEW BUSINESS -

a. Overview of Carroll County and Municipalities New NPDES MS4 Permit - Chris Heyn

Discussion:

Carroll County and its municipalities are co-permittees on the National Pollutant Discharge Elimination System (NPDES) Phase I Municipal Separate Storm Sewer System (MS4) permit issued to Carroll County by the U.S. EPA through the Maryland Department of the Environment. A new permit was issued on December 30, 2022, which contains some new requirements. Mr. Heyn, Director of Carroll County Department of Land & Resource Management (LRM), reviewed the background of the NPDES permit and its purpose. He walked through the various sections and requirements in the permit and shared some of the work that LRM is doing to meet these requirements.

Action Items:

★ n/a None

Reference/Attachment(s):

- PowerPoint Presentation: <https://www.carrollcountymd.gov/government/boards-commissions/environmental-advisory-council/meetings/>

5. BUSINESS IN PROGRESS -

a. 2023 Environmental Action Awards

Discussion:

- Mr. Barrett has confirmed donations by Salerno’s Restaurant and JeannieBird Baking Company for the Positive Practices and Educational Outreach award winners. Ms. Dinne will check with Ms. Norris to confirm if the potential donations for the Student Engagement award.
- All donations need to be confirmed by March and the company names and/or logos added to the Awards website and print materials before the end of March. The public campaign to solicit nominations will launch around April 1.

Action Items:

★ None

Reference/Attachment(s):

- N/A

6. OTHER -

- None

Action Items:

★ None

7. PUBLIC COMMENTS & CONCERNS -

- None.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 7:32 PM. The next monthly meeting is scheduled for Wednesday, March 15, 2023, at 3:00 PM in Room 204, County Office Building.

MEETING ADJOURNMENT - MOTION 437-23: Motion was made by Kathleen Marasco and seconded by Tom Scanlan to adjourn the February 15, 2023, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting - Wednesday, March 15, 2023 @ 3:00 PM, GoToMeeting*

Carroll County National Pollutant Discharge Elimination System (NPDES)

***Municipal Separate Storm Sewer System (MS4)
Discharge Permit***

**Informational Presentation to
Environmental Advisory Council**

February 15, 2023



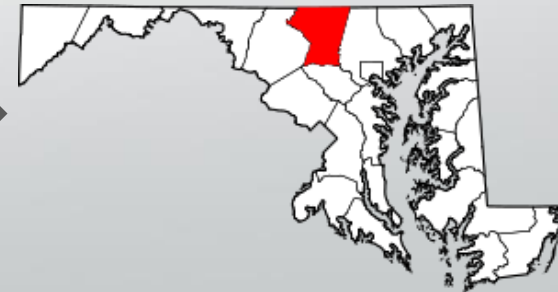
NPDES Permit Administration

National Pollution Discharge Elimination System (NPDES)

Impaired/Polluted Waters of U.S.
Clean Water Act (1972)



NPDES Permit Program
Designed to Protect Waters of U.S.
Authorizes Discharges
Address Water Quality Impairments
Controls/BMPs/Restoration/Reporting/Enforcement

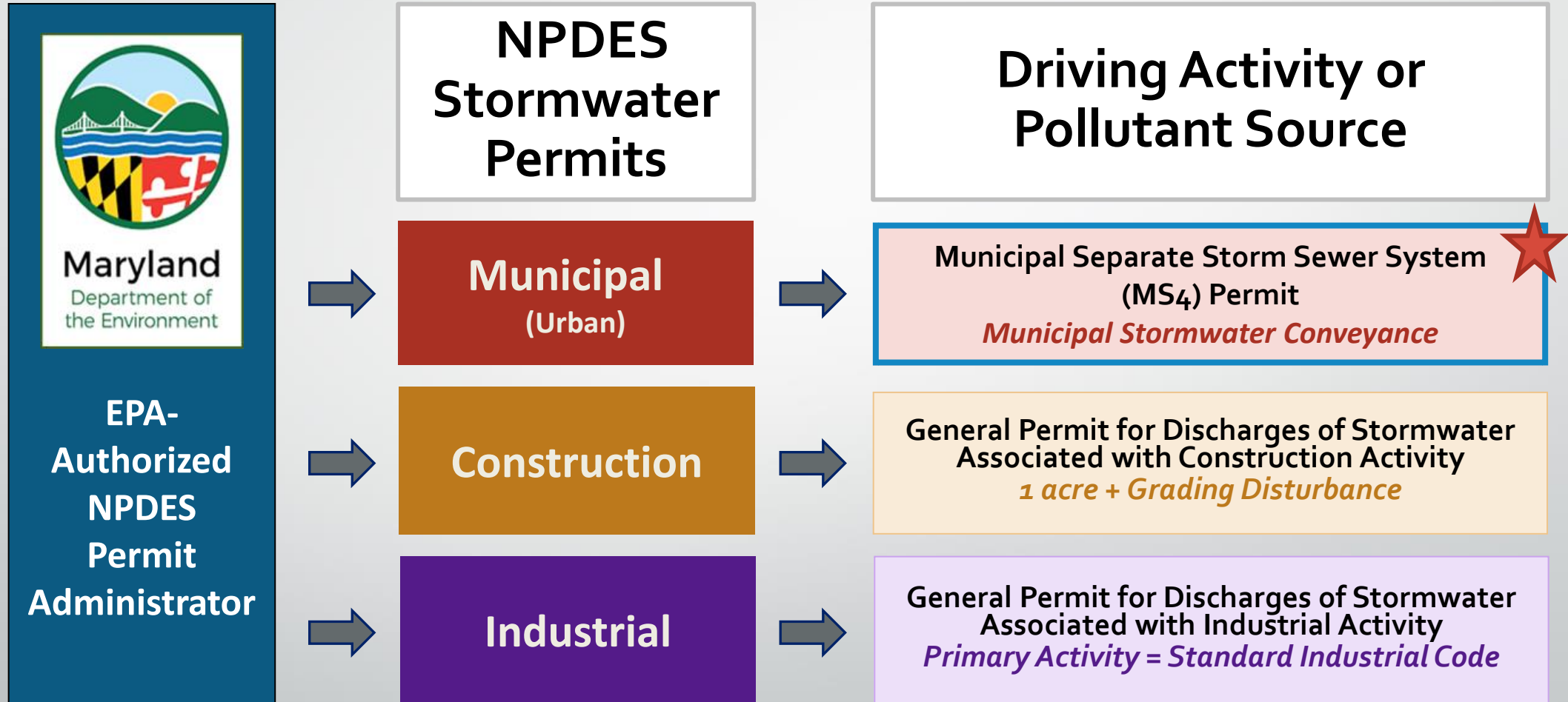


NPDES Program Areas

- Pretreatment (WWTPs etc.)
- Combined Sewer Overflows
- Industrial Wastewater
- Pesticides
- Vessel Discharges
- Concentrated Animal Feeding Operations (CAFO's)
- **Stormwater**



NPDES Stormwater Permits



Timeline of County Permits

- *May 30, 1995* – First-Generation Permit Issued
- *December 29, 2014* – Fourth-Generation Permit Issued; Municipalities added as co-permittees
 - MOA
 - Coordination and Cost Savings
 - Shared Cost of Compliance Specialists
 - 80%/20% Cost Share on Capital Costs
- *December 30, 2022* – Fifth-Generation Permit Issued



NPDES Phase 1 MS₄ Permit Parts I, II, & III



Permit Parts I, II, III, & IV

- Part I – Identification
- Part II – Definitions
- Part III – Water Quality – Compliance tied to Clean Water Act



Part IV.

A-C. Standard Permit Conditions



Part IV – Standard Permit Conditions

A. Permit Administration

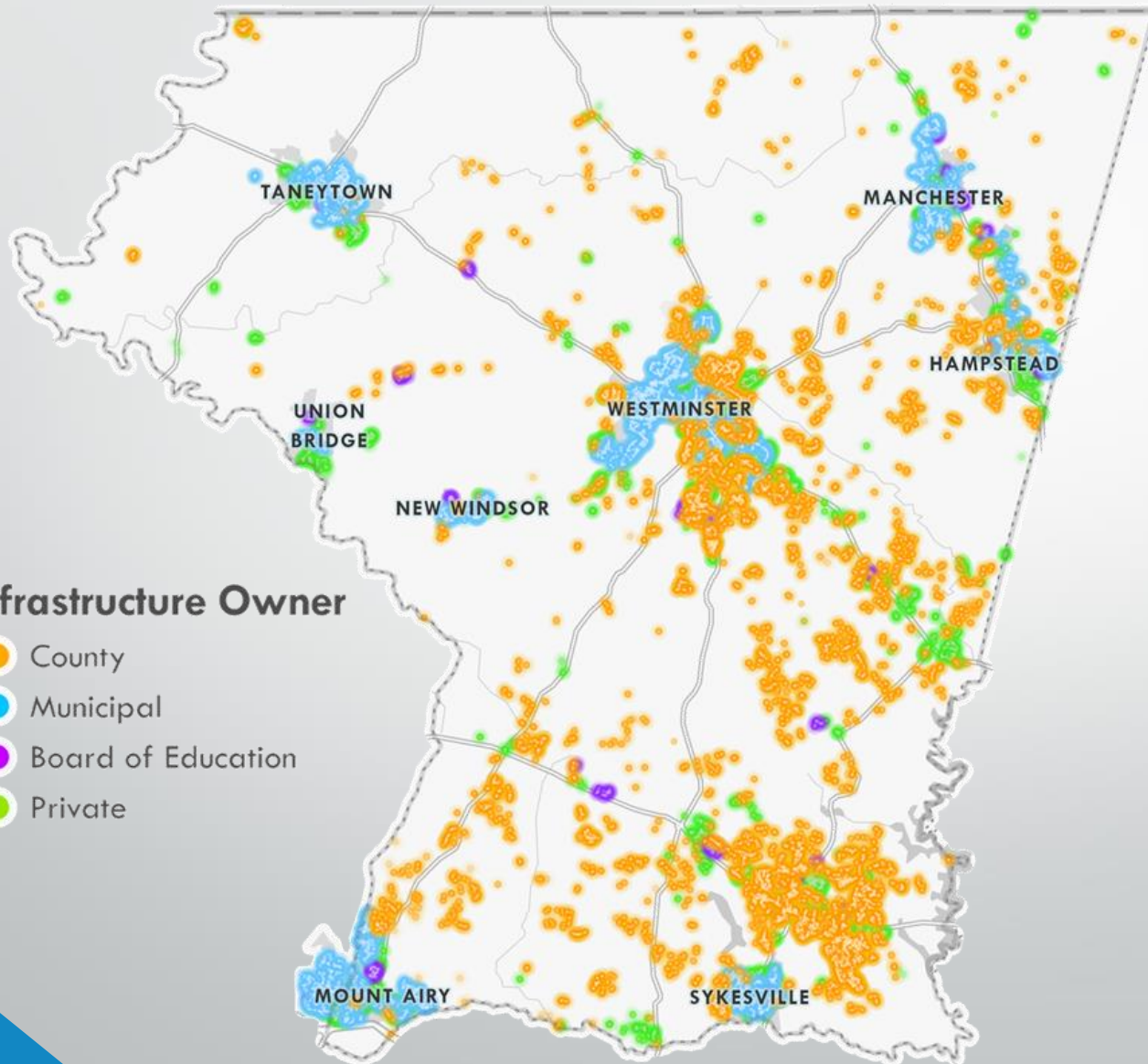
B. Legal Authority

C. Source Identification

- Storm drain system
- Industrial and commercial sources
- Urban best management practices
- Impervious surfaces
- Monitoring locations
- Water quality improvement projects



Storm Drain Infrastructure Mapping



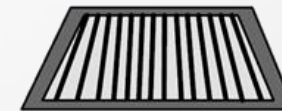
Infrastructure Owner

- County
- Municipal
- Board of Education
- Private



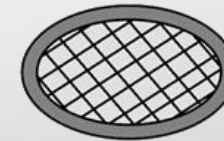
Pipes

23,208
8,966 County



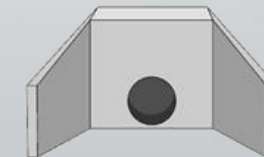
Inlets & inflows

16,476
6,281 County



Manholes & connections

7,394
2,412 County



Outfalls & outflows

3,726
1,897 County



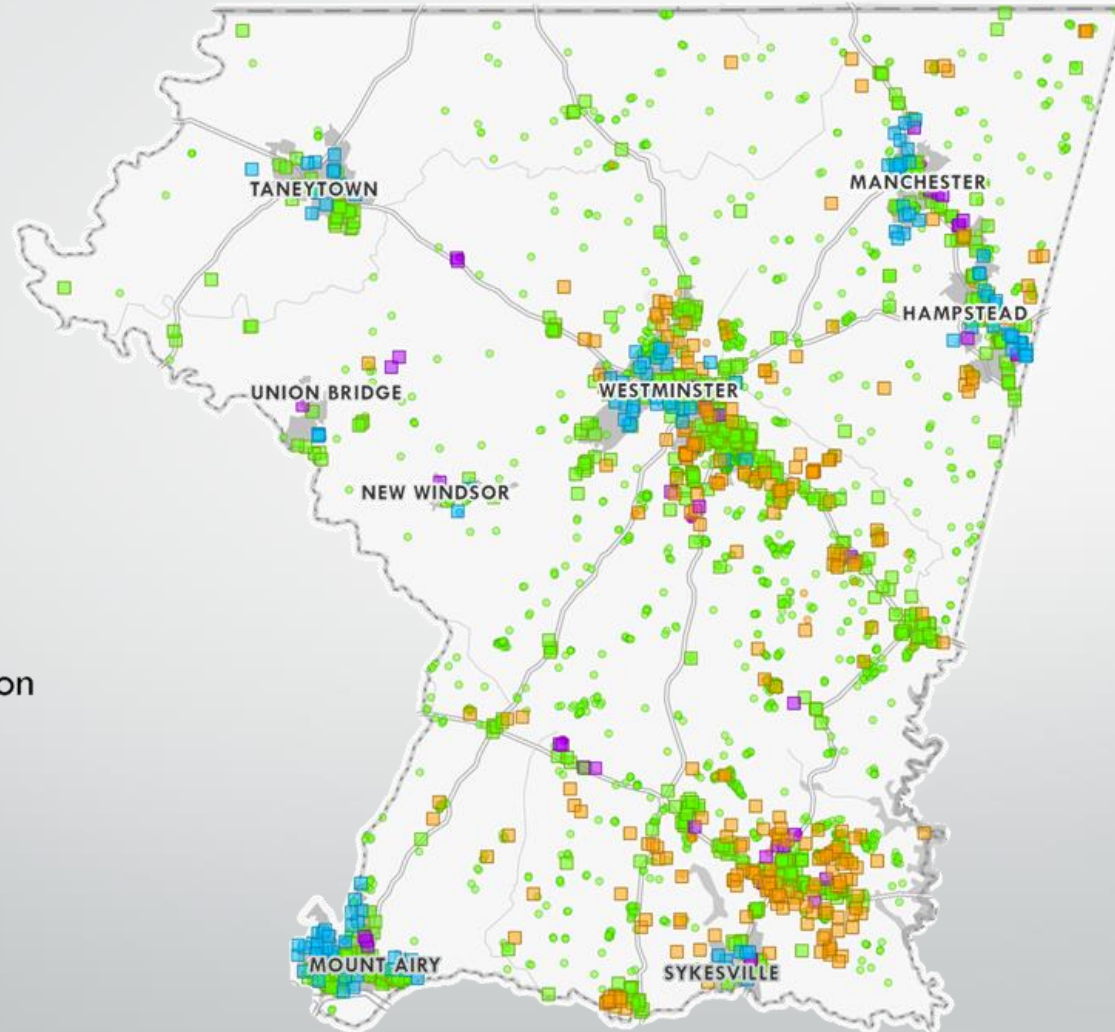
Best Management Practices (BMPs)

BMP Type

- Structural
- ESD

BMP Owner

- County
- Municipal
- Board of Education
- Private



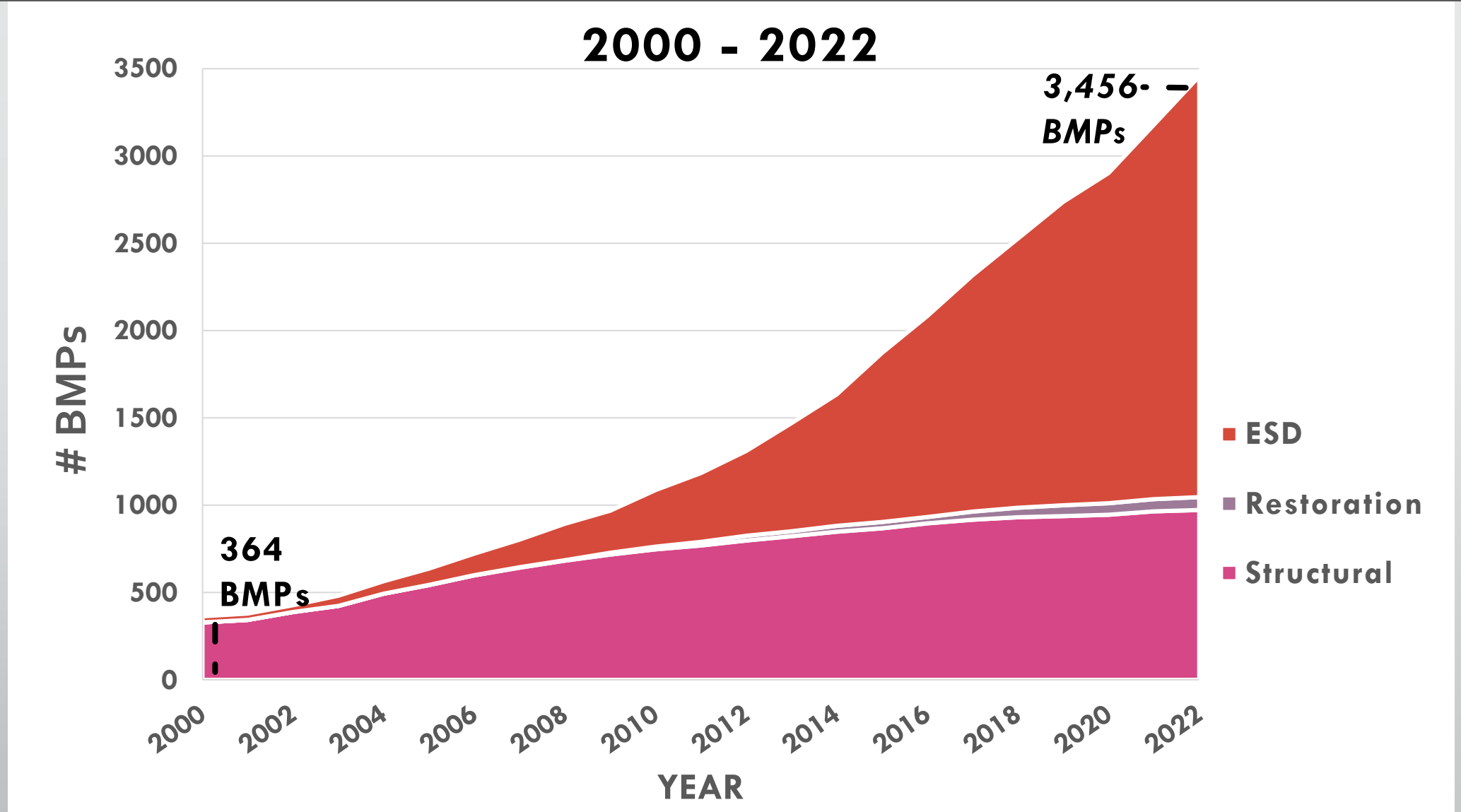
972 Structural Facilities
202 County-Owned

2,413 ESD Practices
61 County-Owned

76 Restoration BMPs
48 County-Owned



Growth of Stormwater BMPs



Part IV.

D. Management Programs



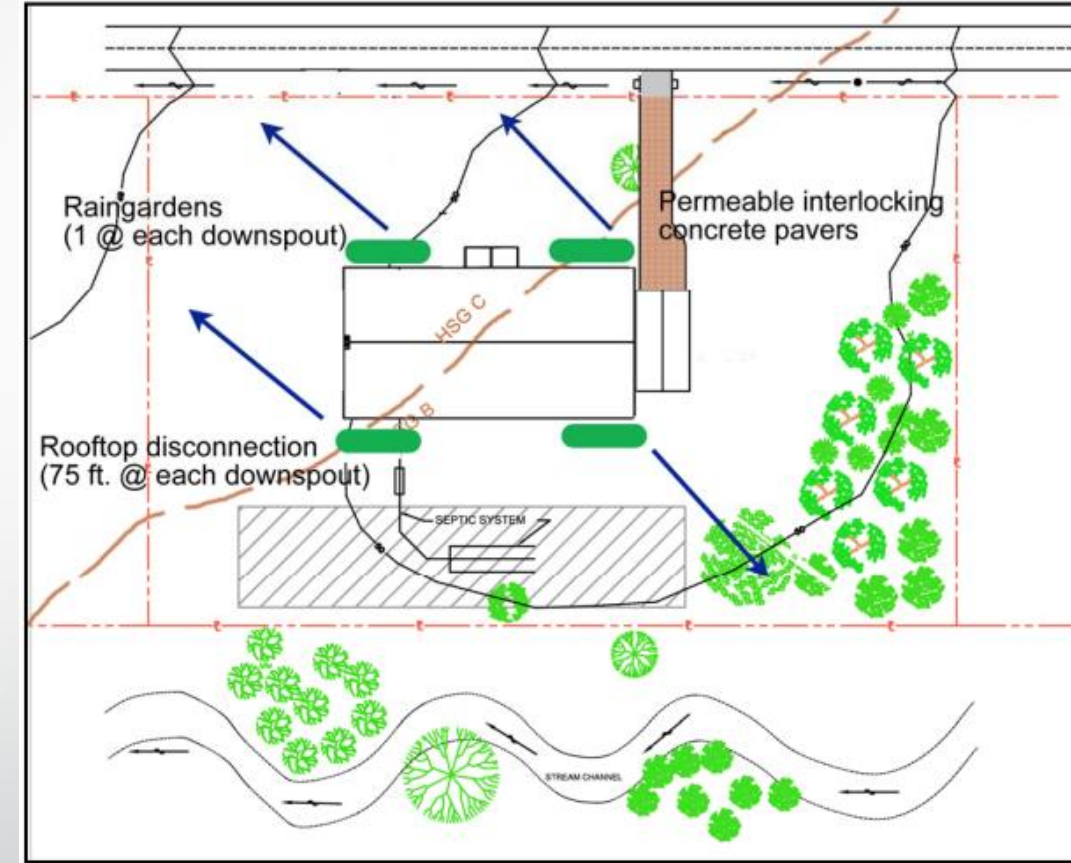
D. Management Programs

1. Stormwater Management
2. Erosion and Sediment Control
3. Illicit Discharge Detection and Elimination
4. Property Management and Maintenance
5. Public Education



1. Stormwater Management Program

- Required by Maryland Environment Article Title 4 Subtitle 2 §4-202
- Criminal and Civil Penalties for failure to enforce
- Tracking required
- Construction and Maintenance Inspections



Graphic from MDE ESD Guidelines

Requires triennial inspection of all BMPs – 3,456 and growing



2. Erosion and Sediment Control Program

- Delegated Authority from MDE
- Enforce Program Requirements
- Quarterly Reporting and Annual Delegation Renewal
- Bi-Annual MDE audit of program
- Inspectors Certified



3. Illicit Discharge Detection and Elimination (IDDE)

Illicit Discharge: *Any discharge into, through, or from a municipal storm drain system (MS₄) that is not composed entirely of stormwater.*



Municipal Separate Storm Sewer System (MS₄): *A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains).*

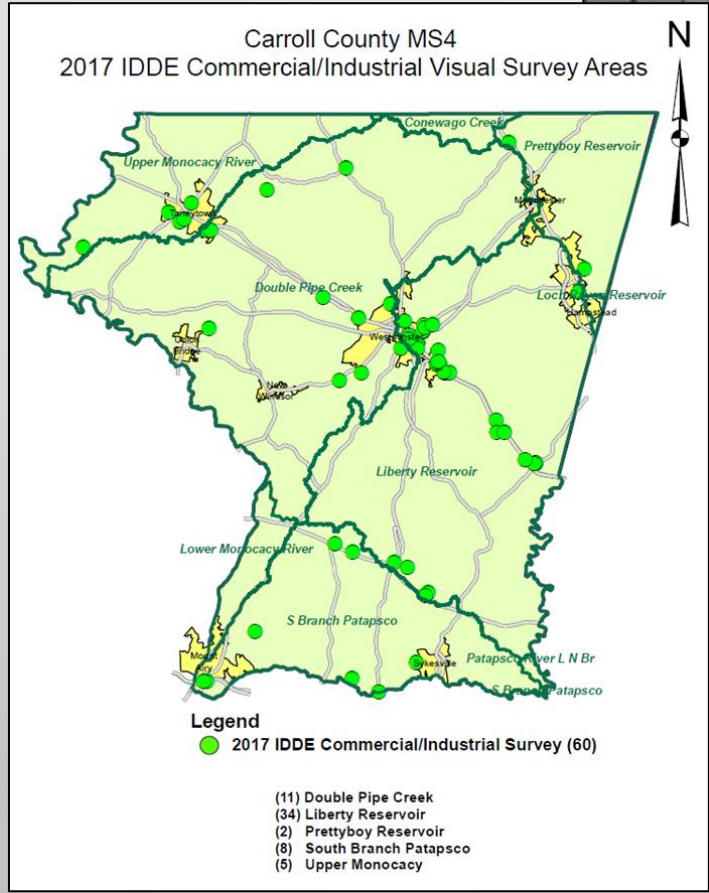
3. Illicit Discharge Detection and Elimination (IDDE)



**Outfall Sampling
100 Sites Annually**



3. Illicit Discharge Detection and Elimination (IDDE)



**Commercial/
Industrial
Visual Surveys**



3. Illicit Discharge Detection and Elimination (IDDE)

Protecting Carroll County Waters (CC Website)



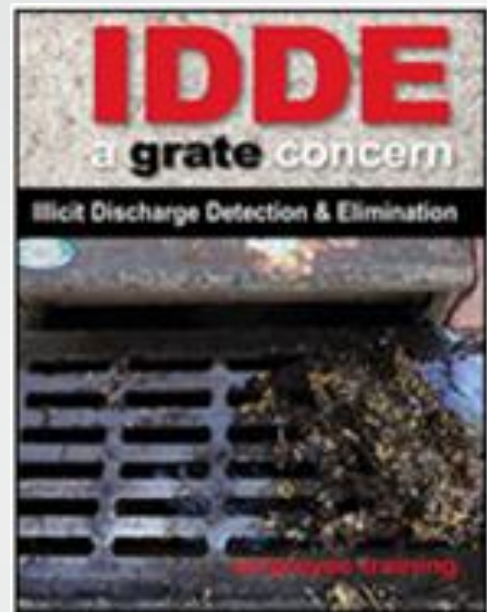
Please call if you are concerned about the release of pollutants or possible illegal dumping into a storm drain. Stormwater in Carroll County and the eight incorporated municipalities is regulated by law under Phase I and Phase II Municipal Separate Storm Sewer System (MS4) permits under EPA's National Pollutant Discharge Elimination System program administered through the Maryland Department of the Environment.

Stormwater Pollution Hotline (410) 386-2210

**Reported
Illicit
Discharge
Investigations**



3. Illicit Discharge Detection and Elimination (IDDE)



Business Outreach by EAC, WRCC, and LRM Staff



Training & Public Outreach



Annual Fall Manager/Supervisory Level Training



4. Property Management and Maintenance

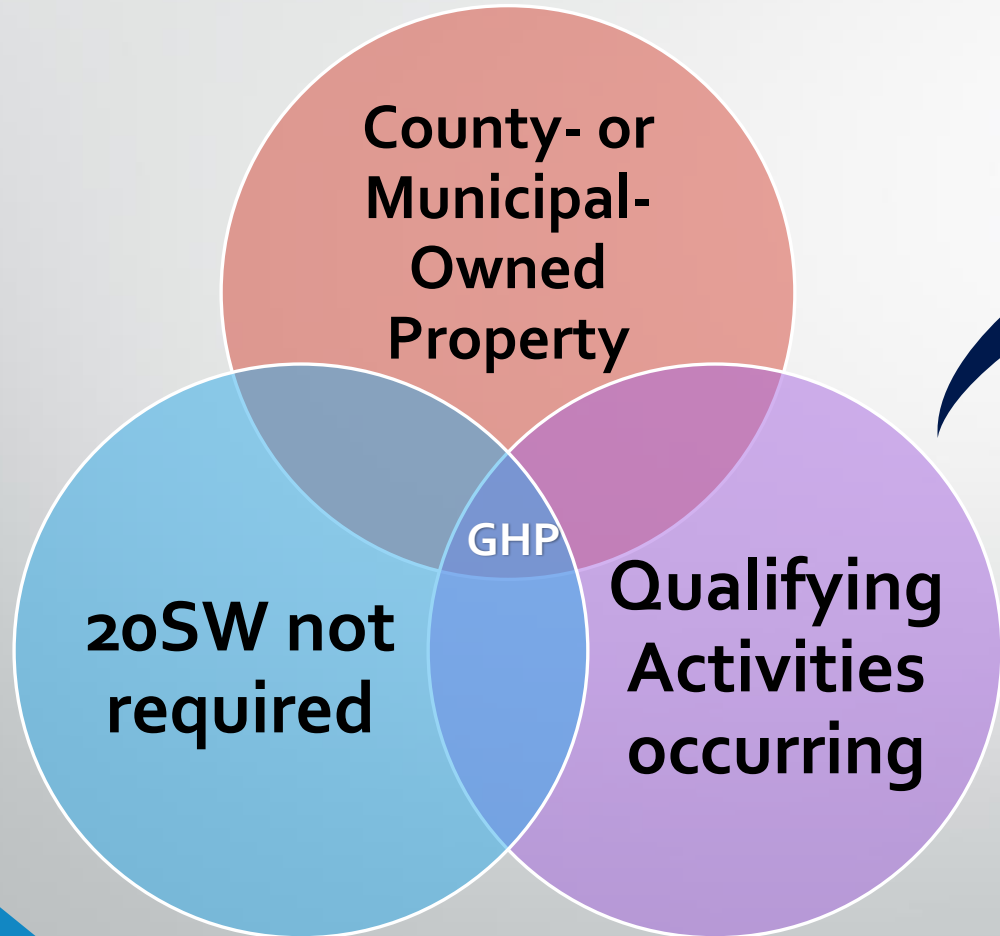
- a. Industrial Permits
- b. Good housekeeping plans *
- c. Pollutant reduction practices – street sweeping, infrastructure cleaning, reduce pesticide, herbicide, and fertilizers
- d. Salt Management Plan*
- e. Litter control*
- f. Report program changes

**New Permit Requirement*



b. Good Housekeeping Plans

New requirement to develop, implement, and maintain a good housekeeping plan (GHP) for:



Qualifying activities for 12SW/20 SW General Discharge Permit:

- Maintenance of vehicles or equipment
- Storage of vehicles or equipment
- Storage of fertilizers, pesticides, hazardous materials, or landscaping materials
- Storage of other materials that could pollute stormwater runoff

d. Salt Management

New requirement to develop, submit, & implement salt management plan

- Develop and submit Salt Management Plan to MDE
- Based on MDOT/SHA's current Salt Management Plan
- Implement Salt Management Plan
 - Evaluate new equipment, methods and strategies for program improvement
 - Training (Personnel and Contractors)
 - Create "Salt Academy" or participate in another MS4 permittee or agency training
 - Public Outreach
 - Tracking and Reporting



e. Litter Control (Collection)

*New requirement to collect **11 Tons** of litter and debris annually*

- Can be staff or public. Examples include:
 - Routine litter collection at a park by staff
 - Clean up of reported dumping incidents
 - Hosting a stream clean-up event
 - Adopt-A-Road programs
 - Individual citizen efforts
- Specific weights not needed
 - # bags or bulk item description will allow us to estimate tonnage



5. Public Education and Outreach

New requirement to conduct 25 public education and outreach efforts annually

Topics can include:

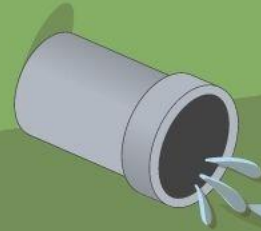
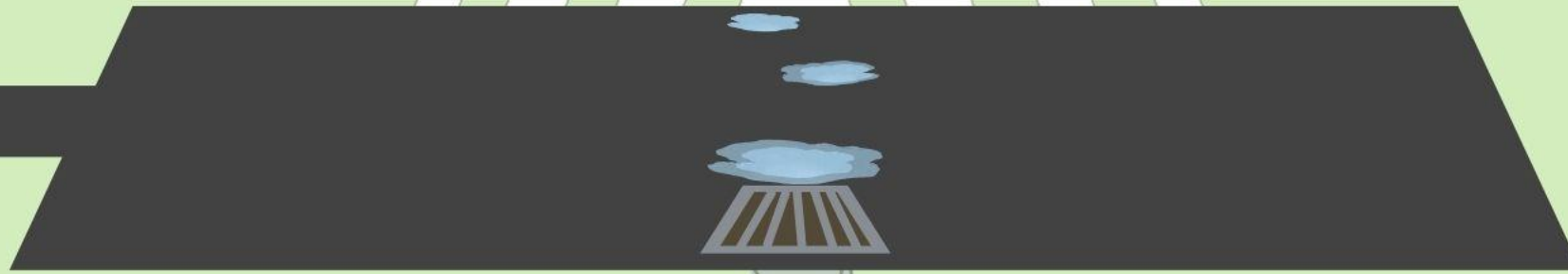
- Water conservation
- Stormwater BMPs & maintenance
- Erosion & sediment control practices
- Household hazardous waste disposal
- Lawn care & landscape management (e.g. chemical & salt application)
- Residential car care & washing
- Litter
- Solid waste & recycling
- Pet waste



Part IV. E. Restoration Requirements



Untreated Impervious



Rooftops: 0.5 acre
Parking lot: 0.4 acre
+ Sidewalks: 0.1 acre
Total: 1 acres



Treated Impervious

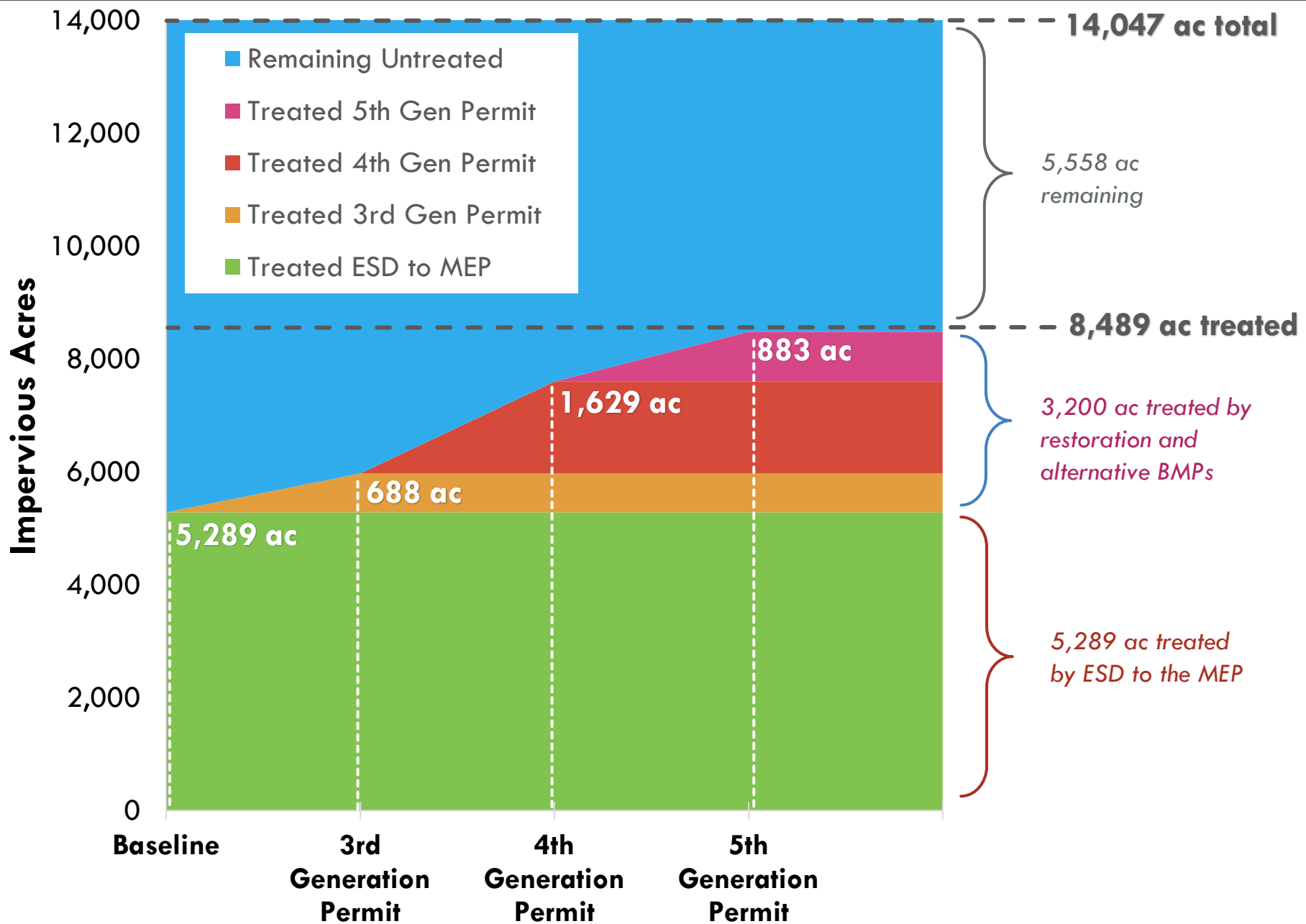


Alternative Practices

- Stream Restoration
- Outfall Stabilization
- Street Sweeping
- Inlet cleaning
- Tree planting
- Protective Easements
- Septic Upgrades



Carroll County Impervious Treatment Area Progress



Structural Restoration Projects



Mayberry Stream Restoration Project

“Equivalent Impervious Area”



Langdon Stormwater Facility – Schedule

- 2013 – Concept Initiated
- 2014 – Design consultant hired
- 2016 – Grant Applications Submitted
- 2016 – Property acquired
- 2019 – Final design and permitting
- 2019 – Construction bid
- 2020 (April) – Construction start
- 2021 (March) – Construction Complete



Part IV.

F. Total Maximum
Daily Loads (TMDLs)



Part IV F. Total Maximum Daily Loads (TMDLs)

- Required by the Clean Water Act
- Sets limits for specific pollutants in watersheds that are identified as being impaired for those pollutants
- Implementation Plan required
- If new TMDLs are established, required to create implementation plan
- Our Restoration Program and Reductions in Impervious Area are designed to satisfy TMDL requirements



Part IV.

G. Assessment of Controls



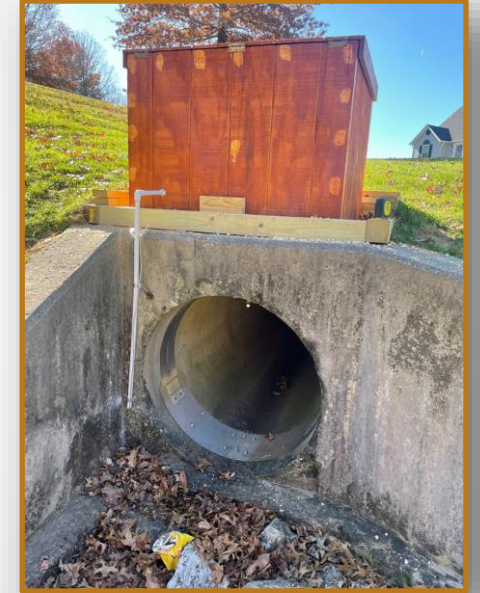
Part IV G. Assessment of Controls

1. BMP Effectiveness Monitoring
2. Watershed Assessment Monitoring
3. PCB Source Tracking – Does not apply to Carroll County



1. BMP Effectiveness Monitoring

- Purpose: Evaluate the effects of stormwater management strategies on local water quality.
 - Chemistry analysis of 8 storms & 4 quarterly/seasonal baseflow samples.
 - Continuous monitoring for pH, flow, temperature, conductivity.
 - Stream Channel geomorphology surveys (w/ County Survey Crew).
- Option 1
 - Chesapeake Bay Trust Pooled Monitoring
 - Annual Cost: \$75,000
- Option 2
 - Internal Staff Monitoring
 - Annual Laboratory Cost: \$7,700
 - Equipment Replacement/Repair & supplies: ~\$10k/year



2. Watershed Assessment Monitoring

- Purpose: Evaluate overall water quality and aquatic life conditions within TMDL Watersheds.
 - 25 Biological Locations Countywide
 - Sampled yearly (Spring)
 - 19 Bacteria Trend Locations Countywide
 - Sampled monthly
 - 1 Chloride Trend Location
 - Continuous Readings (30 min.)
- Option 1
 - Chesapeake Bay Trust Pooled Monitoring
 - Annual Cost: \$165,868
- Option 2
 - Internal Staff Monitoring
 - Annual Laboratory Cost: \$21,038
 - Equipment replacement/repair & supplies: ~\$5k/year



Part IV. H. Program Funding



Completed Impervious Restoration

Project type	Restoration credits (# impervious acres)	Costs	
		Total (\$)	Grants Received (\$)
Structural Facilities	1,496	\$ 41,343,137	\$ 14,405,497
Stream Restorations & Tree Plantings	915	\$ 5,582,229	\$ 2,977,937
Buffers & Septic Upgrades	772	\$ 0	\$ 0
TOTAL	3,183	\$ 46,925,366	\$ 17,383,434



Financial Assurance Plan (FAP)

- FAP required to MDE every 2 years
- Demonstrate sufficient funding to meet anticipated costs
- Public hearing required

DESCRIPTION	CURRENT	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	TOTAL ⁴
	YEAR	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	
Operating Expenditures (costs)							
Street Sweeping Program							\$0
Inlet Cleaning							\$0
IDDE							\$0
Support of Capital Projects	\$1,291,712	\$1,363,970	\$1,438,141	\$1,517,143	\$1,601,329	\$1,684,887	\$8,897,182
Debt Service Payment ¹	\$1,748,212	\$2,139,050	\$2,278,450	\$2,543,210	\$2,766,010	\$3,094,600	\$14,569,532
Other (please stipulate program expenditure) ²	-	-	-	-	-	-	\$0
Capital Expenditures (costs)³							
General Fund (Paygo)	\$543,774	\$1,450,000	\$750,000	\$250,000	\$2,550,000	\$225,000	\$5,768,774
WPR Fund (Paygo)							\$0
Municipalities							\$0
Debt Service	\$1,376,704	\$2,240,000	\$8,350,000	\$6,050,000	\$4,950,000	\$3,400,000	\$26,366,704
Grants & Partnerships	\$2,931,205	\$31,000					\$2,962,205
Other (please stipulate capital expenditure) ²	-	-	-	-	-	-	\$0
Subtotal operation and paygo:	\$3,583,698	\$4,953,020	\$4,466,591	\$4,310,353	\$6,917,339	\$5,004,487	\$29,235,488
Total expenditures:	\$7,891,607	\$7,224,020	\$12,816,591	\$10,360,353	\$11,867,339	\$8,404,487	\$58,564,397
					Total ISRP costs except debt service:		\$43,994,865
					Total capital expenditures:		\$35,097,683

Part V. Annual Reporting



Part V - Annual Reporting

- Data on all Activities Related to or Required by the Permit
- Program Funding
 - Expenditures
 - Upcoming Budget Year
- Monitoring Data
- Enforcement Actions
- Public Outreach
- Geodatabase Items
- Program Effectiveness

Carroll County Maryland



LANGDON STORMWATER FACILITY
County Engineers Association of Maryland | Project of the Year
Maryland Quality Initiative | Project of the Year



**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MUNICIPAL SEPARATE STORM SEWER SYSTEM
DISCHARGE PERMIT**



2022 ANNUAL REPORT



Part VI. Special Programmatic Conditions



Part VI – Special Programmatic Conditions

Administrative language regarding State programs that mitigate new development, and that County policy aligns with these programs.



Part VII. Enforcement and Penalties



Part VII – Enforcement and Penalties

- A. Discharge Prohibitions
- B. Duty to Mitigate
- C. Emergency Reporting
- D. Duty to Comply
- E. Proper Operation and Maintenance
- F. Sanctions
- G. Permit Revocation and Modification
- H. Inspection and Entry
- I. Monitoring and Recordkeeping
- J. Property Rights
- K. Severability
- L. Authorization



Part VII - Sanctions

Section 309 (g)(2) Clean Water Act, 33 USC Section 1319 (g)(2)

- Civil Penalties
 - \$16,000 per day
 - \$177,500 total penalty
- Criminal Negligence
 - \$2,500-\$25,000 per day of violation
 - 1 year imprisonment
- Knowingly Violating
 - \$5,000 - \$50,000 per day violation
 - 3 years imprisonment

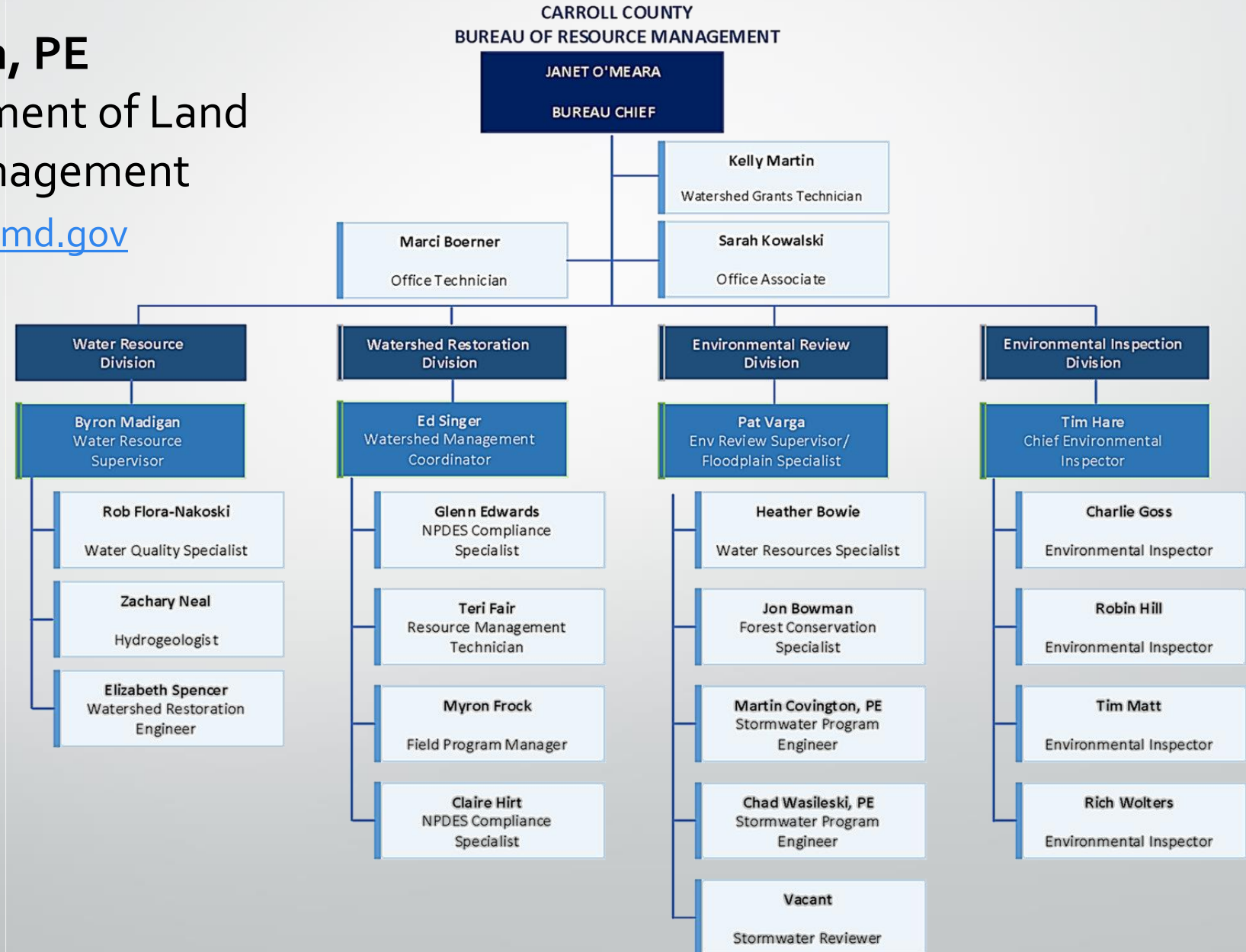


Annotated Code of Maryland Environment Article §9-342 and 9-343

- Civil Penalties
 - \$10,000 per day
 - Additional administrative and civil penalties up to \$50,000
- Criminal Penalties
 - 1st Offense - \$25,000 and 1 year imprisonment
 - 2nd offense - \$50,000 and 2 years imprisonment
- Knowingly Inaccurately Reporting or False Certification of Records
 - \$50,000 and 2 years imprisonment

County Staff

Christopher Heyn, PE
Director - Department of Land
and Resource Management
cheyn@carrollcountymd.gov
410-386-2949





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EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

- Cliff Engle, Chief, Solid Waste, DPW, CCG

Other Attendees

- None

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the February 15, 2023, meeting of the Environmental Advisory Council (EAC) to order at 3:00 PM in Room 204 of the County Office Building.
- Frank Vleck announced his resignation from the EAC, effective March 16, 2023, after serving for 9 years. Mr. Paskoski thanked him for his valuable service and presented him with a Certificate of Appreciation.

2. APPROVAL OF MEETING MINUTES -

a. February 15, 2023

Discussion/Decision:

- Approval of the January minutes was discussed. No changes were made.

APPROVAL OF MINUTES - Motion 438-23: Motion was made by Tom Scanlan and seconded by Kathleen Marasco to approve the February 15, 2023, meeting minutes as written. Motion carried.

3. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held on April 19, 2023, at 3:00 PM in Room 204 of the County Office Building. The agenda will include:
 - an information presentation on PFAS (per- and polyfluoroalkyl substances, aka "forever chemicals"),
 - the Invasive Plant Species Public Outreach booklet,
 - the 2023 update of the Environmental Stewardship booklet, and
 - the 2023 Environmental Action Awards.
- The Board of County Commissioners appointed 2 new members to the EAC - Craig Connell and Neal Goldberg. Their first meeting is expected to be April 19, 2023.

- Several EAC members will participate on behalf of the EAC in the Master Gardeners' Earth Day event at Piney Run Park Nature Center on April 22, 2023, from 1:00 to 4:00 PM. Ms. Dinne will set up the EAC's table the day before.
- EAC members need to complete their Financial Disclosure Statements online and submit them prior to April 28.
- The Office of Recycling has 2 events coming up – the Household Hazardous Waste Disposal/Drop Off day and the Rain Barrell and Compost Bin sale.

4. NEW BUSINESS -

a. Overview of Carroll County and Municipalities New NPDES MS4 Permit - Chris Heyn

Discussion:

- Cliff Engle, Chief of the Bureau of Solid Waste with the Carroll County Department of Public Works, presented an update to the EAC members on the status of the study of potential and feasible future development of the Carroll County Resource Recovery Park & Northern Landfill.
- Mr. Engle showed a map of the existing/original property (220 acres) and the acquired property (326 acres).
- He discussed the master plan process and phases, as well as the goals of the process. Ultimately, the desire is for physical and financial sustainability. The life of the landfill needs to be lengthened beyond the current projection based on the average disposal rate.
- Currently, much of Carroll's waste is transferred to York, Pennsylvania. A decision will need to be made before that contract expires.

Action Items:

★ n/a None

Reference/Attachment(s):

- *PowerPoint Presentation:* [SWEF Master Plan & Acquired Property Update](#)

b. Invasive Plant Species Public Outreach Publication - Scope

Discussion:

- The EAC discussed the scope of the project – the type of publication and content. The EAC will prepare a booklet-style publication to be able to include briefly expanded information specific Carroll County.
- Mr. Vleck shared Maryland Department of Agriculture's (MDA) "Invasive Plants List." Ms. Dinne will share the link with the EAC members.
- The publication will address to the most common noxious weeds and invasive plants found in or a threat to Carroll County and how to prevent, manage, and/or eliminate them. The publication will be aimed toward homeowners, but homeowners' actions will impact invasive species and noxious weed threats to agriculture as well.
- EAC members will research specific content ideas and sources and insert suggestions in the shared content outline before the April 14.

Motions	Action Items	Attachments
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Action Items:

- ★ Ms. Dinne Share MDA’s “Invasive Plant List” with EAC members.
- ★ Ms. Dinne Create shared outline into which the EAC members can plug their content suggestions.
- ★ All EAC Members Research specific content ideas and sources and insert suggestions, link to sources, and initials in the bullets in the shared content outline. – by April 14

Reference/Attachment(s):

- [Maryland Department of Agriculture “Invasive Plant List”](#)

5. BUSINESS IN PROGRESS -

a. Environmental Stewardship Booklet 2023 Update - Discussion

Discussion:

- Ms. Dinne showed the EAC members the revised format of the Environmental Stewardship booklet, which will allow for additional information without adding more pages. An initial draft for EAC review will be provided as soon as all updated information is received and incorporated.

Action Items:

- ★ Ms. Dinne Incorporate remaining updates and provide initial draft for EAC review.

Reference/Attachment(s):

- N/A

b. 2023 Environmental Action Awards

Discussion:

- Mr. Barrett will follow up to confirm donations by Salerno’s Restaurant for the Positive Practices and/or Educational Outreach award winners.
- Ms. Dinne will check with Ms. Norris to confirm if the potential donations for the Student Engagement award.
- All donations need to be confirmed by March and the company names and/or logos added to the Awards website and print materials before the end of March. The public campaign to solicit nominations will launch around April 1. Those already confirmed have not yet been added to the website due to a recent website migration.

Action Items:

- ★ Mr. Barrett Confirm donation by Salerno’s – by Mar 27
- ★ Ms. Norris Confirm donation by self and Atlantic Blue Water Services – by Mar 27
- ★ Ms. Dinne Add names & logos for donors to materials and website – by Apr 1

Reference/Attachment(s):

- N/A

6. OTHER -

- None

Action Items:

- ★ None

7. PUBLIC COMMENTS & CONCERNS -

- None.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 4:55 PM. The next monthly meeting is scheduled for Wednesday, April 19, 2023, at 3:00 PM in Room 204, County Office Building.

MEETING ADJOURNMENT - MOTION 439-23: Motion was made by Kathleen Marasco and seconded by Tom Scanlan to adjourn the March 15, 2023, meeting. Motion carried.

Upcoming Meetings:

- Regular Monthly Meeting – Wednesday, April 19, 2023 @ 3:00 PM, GoToMeeting

The seal of Carroll County, Maryland, is centered in the background. It features a circular design with the text "CARROLL COUNTY" at the top and "MARYLAND" at the bottom. The year "1837" is visible in the center of the seal.

Carroll County Government SWEF Master Plan & Acquired Property Update

Department of Public Works

Bureau of Solid Waste

March 2023



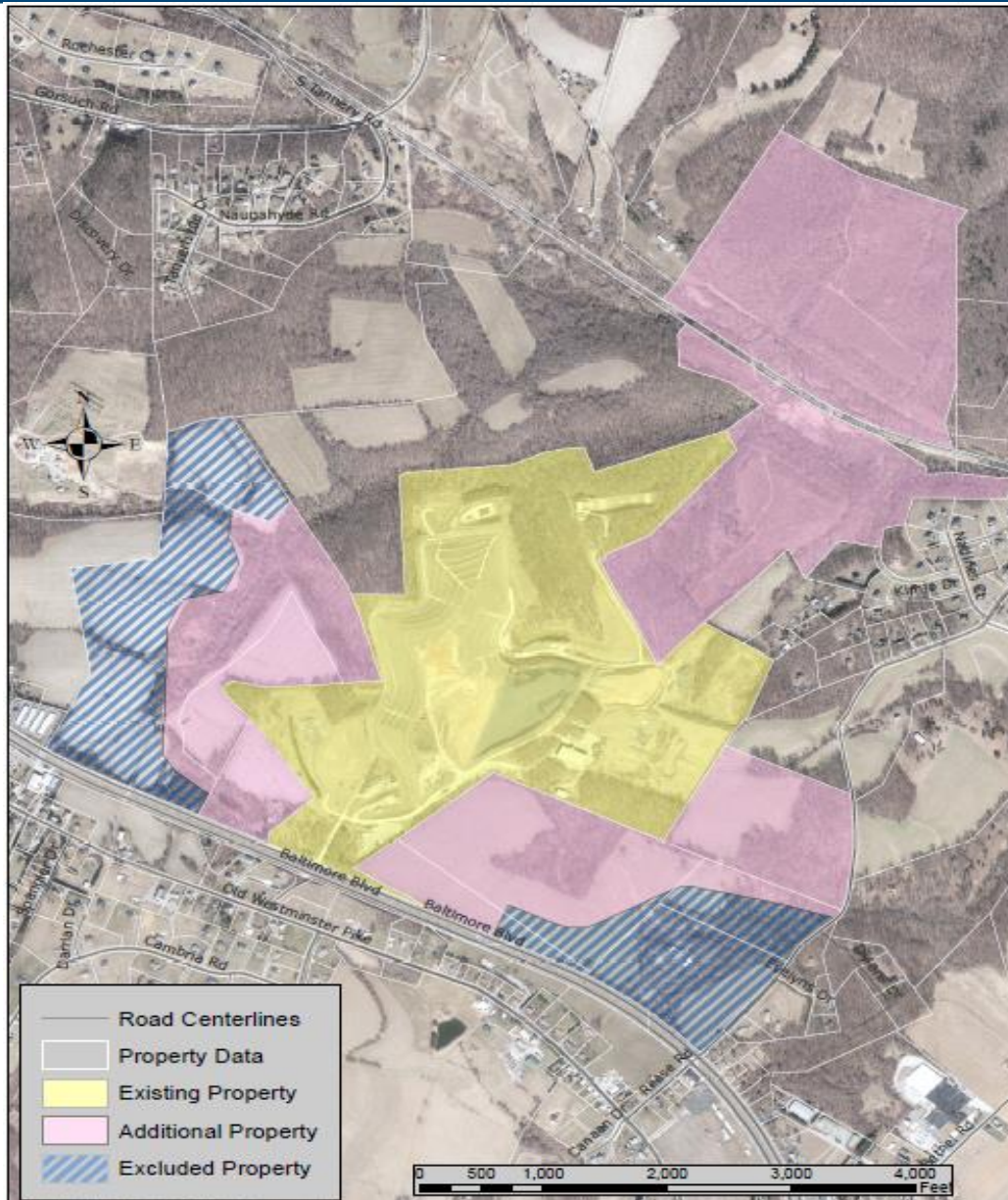
SWEF Property Acquisition

Original Property
220 Acres

Acquired Property
326 Acres

Total Property
546 Acres

Retained by Seller
109 Acres





SWEF Master Plan Process

Phase I - Field survey and parcel consolidation

Phase II - Master Plan Development

- EA Engineering & Technology
- Field Investigations: ESA's, natural resources, geologic & hydrogeologic conditions, etc. to determine what can go where
- Determine future operating model

Phase III+ Infrastructure design & federal, state and local permitting (3-7 Yrs ++)

Phase IV – Construction and Commissioning

GOAL: Comprehensive, diversified planning to better serve residents and businesses of Carroll County



SWEF Master Plan Goals

Replace Aging Infrastructure, Ensure Future Flexibility and Sustainability

- Additional disposal capacity - valuable asset even if never used
- Transfer station options - intermodal?
- Consolidated resident use area
- Entrance, internal roads, scale house, shop
- Yard waste, organics processing
- Resource Recovery Park - new diversion & recycling options (C&D, PPP's, etc.)
- Alternative energy, other value-added uses

The seal of Carroll County, Maryland, is centered in the background. It is a circular emblem with a red outer ring containing the text "CARROLL COUNTY" at the top and "MARYLAND" at the bottom. Inside the ring, the year "1837" is visible. The center of the seal features a landscape with a building and trees.

Thank You!

Cliff Engle - Bureau Chief

410.386-2520

cengle@carrollcountymd.gov



Carroll County Environmental Advisory Council

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Westminster, MD 21157-5194
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Craig Paskoski, Chair
Curtis Barrett, Vice Chair

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*Brenda Dinne,
Staff Liaison/Secretary
Department of Land
& Resource Management*

Meeting Summary for April 19, 2023

Members

- Curtis Barrett
- Craig Connell
- Neal Goldberg
- Kathleen Marasco
- Charlene Norris
- Craig Paskoski
- Tom Scanlan
- Tamara Strobel

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

- Zach Neal, Hydrogeologist, LRM, CCG

Other Attendees

- Chris Abell, Carroll Technology & Innovation Council

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the March 15, 2023, meeting of the Environmental Advisory Council (EAC) to order at 3:00 PM in Room 204 of the County Office Building.
- Ms. Paskoski welcomed new members, Craig Connell and Neal Goldberg. The new members and other EAC members introduced themselves.

2. APPROVAL OF MEETING MINUTES -

a. March 15, 2023

Discussion/Decision:

- Approval of the March minutes was discussed. No changes were made.

APPROVAL OF MINUTES - Motion 438-23: Motion was made by Curt Barrett and seconded by Kathleen Marasco to approve the March 15, 2023, meeting minutes as written. Motion carried.

3. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held on May 17, 2023, at 3:00 PM in Room 204 of the County Office Building. The agenda will include:
 - the Invasive Plant Species Public Outreach booklet,
 - the 2023 update of the Environmental Stewardship booklet, and
 - the 2023 Environmental Action Awards.
- EAC members need to complete their Financial Disclosure Statements online and submit them prior to April 28

4. NEW BUSINESS -

a. PFAS Informational Presentation - Zach Neal

Discussion:

- Zach Neal gave background on the importance of the emerging contaminant known as PFAS (Per- and Polyfluoroalkyl Substances). Most people are exposed to PFAS through their drinking water and many common household or work place items. PFAS is associated with many health impacts. It can travel through water, stays in soil for a very long time, and is found in almost everyone’s blood.
- Mr. Neal described the regulatory landscape from a drinking water perspective. Currently, there are no federal regulations for PFAS in drinking water. The US EPA previously established unenforceable health advisory limits. In March 2023, the EPA proposed a maximum contaminant level (MCL) of 4 parts per trillion for PFOA and PFOS, among others. The final MCLs are anticipated by the end of 2023.
- In Carroll County, nearly every municipality is grappling with PFAS in some way. As a result of the proposed federal regulation, the cost of producing and treating drinking water will likely increase, which will result in higher water rates for consumers.
- Mr. Neal shared some of the areas in Carroll County in which there has been a focus on PFAS.

Action Items:

- ★ n/a None

Reference/Attachment(s):

- *PowerPoint Presentation: [PFAS - A Hot Topic in Emerging Contaminants](#)*

5. BUSINESS IN PROGRESS -

a. Invasive Plant Species Public Outreach Publication - Discussion

Discussion:

- EAC members researched content for the public outreach piece over the past month. At the meeting, the members reviewed the proposed content for each of the main topics and provided feedback.
- Homeowners will be the primary audience for this publication.
- Members volunteered to draft for the next meeting the initial text for each of the main topics. In addition to reviewing the draft text, the EAC will discuss which of the most common invasive plants or noxious weeds to highlight.

Action Items:

- ★ Ms. Marasco Draft text for topic: What is an “invasive” species? What is a “noxious” weed?
- ★ Ms. Strobel Draft text for topic: What are the negative impacts of invasive species?
- ★ Mr. Barrett Draft text for topic: What are the laws in Maryland regarding invasive plant species?
- ★ Mr. Scanlan Draft text for topic: What can property owners do to prevent, manage, or eradicate them?
- ★ Mr. Paskoski Draft text for topic: What are the highest priority invasive species in Carroll County?

Reference/Attachment(s):

- *N/A*

Motions	Action Items	Attachments
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b. Environmental Stewardship Booklet 2023 Update - Discussion

Discussion:

- Ms. Dinne updated the members on the progress of the update.

Action Items:

- ★ All EAC Members Review initial draft of the updated booklet and be prepared to provide feedback at the May 17 meeting

Reference/Attachment(s):

- N/A

c. 2023 Environmental Action Awards

Discussion:

- The EAC will begin accepting nominations on Earth Day, April 22. A press release was sent. The nomination packet – flyer, nomination form, and guidelines & criteria for nomination – are available on the EAC’s awards webpage for printing or download. Copies were provided to all the municipalities to place in their town halls for the public. The information with links to the webpage was emailed to the distribution list the first week of April. Hardcopies will be mailed out this week.
- Charlene Norris confirmed her business – Spot-On Engineering Solutions, Inc. – will be providing a \$1,000 for the Student Engagement winner. Her business name will be added to the website and the printed materials.

Action Items:

- ★ All EAC Members Start spreading the word and sharing the links to the nomination packets

Reference/Attachment(s):

- N/A

6. OTHER -

a. Master Gardeners Earth Day Event at Piney Run Park

- Mr. Paskoski, Ms. Strobel, Ms. Marasco, and Mr. Barrett volunteered to represent the EAC at the Master Gardeners’ Earth Day event. A table will be set up in the yurt, along with other long environmental groups. Ms. Dinne compiled EAC publications to display and will set up the table on Friday, April 21. Mr. Paskoski and Ms. Strobel will staff the table from 12:30 to 2:30. Mr. Barrett and Ms. Marasco will staff the table from 2:30 to 4:30.

b. Tree Grove at Carroll Community College

- The Community College is planning to construct a sand volleyball court between the EAC’s tree grove and the back of K-building. The trees will not be removed, but it could limit planting of additional trees in the future. Since the EAC has revamped the process and moved toward awards ceremonies as part of other events, this should not be a concern.

Motions	Action Items	Attachments
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Action Items:

★ None

7. PUBLIC COMMENTS & CONCERNS -

- Christopher Abell, with the Carroll County Technology & Innovation Council, provided information about an electronics recycling event to be held on Earth Day, April 22, in conjunction with ReStore.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 5:01 PM. The next monthly meeting is scheduled for Wednesday, May 17, 2023, at 3:00 PM in Room 204, County Office Building.

MEETING ADJOURNMENT - MOTION 439-23: Motion was made by Tom Scanlan and seconded by Curt Barrett to adjourn the April 19, 2023, meeting. Motion carried.

Upcoming Meetings:

☐ *Regular Monthly Meeting - Wednesday, June 21, 2023 @ 3:00 PM*



Carroll County Environmental Advisory Council

225 N Center Street
Westminster, MD 21157-5194
Telephone: 410-386-2140

Craig Paskoski, Chair
Curtis Barrett, Vice Chair

CarrollCountyMD.gov/EAC ♦ EAC@CarrollCountyMD.gov

*Brenda Dinne,
Staff Liaison/Secretary
Department of Land
& Resource Management*

Meeting Summary for May 17, 2023

Members

- Curtis Barrett
- Craig Connell
- Neal Goldberg
- Kathleen Marasco
- Charlene Norris
- Craig Paskoski
- Tom Scanlan
- Tamara Strobel

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

-

Other Attendees

- Claire Barry

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the May 17, 2023, meeting of the Environmental Advisory Council (EAC) to order at 3:01 PM in Room 204 of the County Office Building.

2. APPROVAL OF MEETING MINUTES -

a. April 19, 2023

Discussion/Decision:

- Approval of the April minutes was discussed. No changes were made.

APPROVAL OF MINUTES - Motion 442-23: Motion was made by Tom Scanlan and seconded by Kathleen Marasco to approve the April 19, 2023, meeting minutes as written. Motion carried.

3. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held on June 21, 2023, at 3:00 PM in Room 204 of the County Office Building. The agenda will include:
 - the Invasive Plant Species Public Outreach booklet,
 - the 2023 update of the Environmental Stewardship booklet, and
 - the 2023 Environmental Action Awards.

4. NEW BUSINESS -

a. None

Discussion:

-

Action Items:

- ★ n/a

Reference/Attachment(s):

-

5. BUSINESS IN PROGRESS –

a. Invasive Plant Species Public Outreach Publication – Discussion

Discussion:

- Several EAC members drafted an initial section of text. Each section was reviewed, and feedback was provided.
- The document will cover both invasive species and noxious weeds since they are closely linked.
- The species to highlight were tentatively identified, including Johnson grass, Palmer Amaranth, thistle, garlic mustard, barberry, Tree of Heaven, and possibly a water species.
- Ms. Dinne will begin preparing a formatted draft with the pieces that have been discussed thus far.

Action Items:

- ★ Ms. Dinne Ask Mr. Madigan if there is an invasive water plant species that should be highlighted
- ★ Ms. Dinne Begin preparing formatted draft

Reference/Attachment(s):

- N/A

b. Environmental Stewardship Booklet 2023 Update – Discussion

Discussion:

- The EAC members provided feedback on individual minor revisions to the draft booklet. Ms. Dinne will revise and update the remaining figures, anticipating a final draft for the June 21 meeting.

Action Items:

- ★ Ms. Dinne Prepare final draft for review at the June 21 meeting.
- ★ Ms. Dinne Check with Rec & Parks for regarding progress on Hapes Mill kayak launch

Reference/Attachment(s):

- N/A

c. 2023 Environmental Action Awards

Discussion:

- No nominations have been received yet, although they typically come in closer to the deadline. The deadline is July 31.
- The timing for when nominations are accepted this year will be evaluated next year to determine if it impacted the number and/or type of nominations received.

Action Items:

Motions	Action Items	Attachments
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Reference/Attachment(s):

- N/A

6. OTHER -

a. Environmental Symposium 2023

- The date has not yet been nailed down, as a venue has not yet been confirmed. A larger venue will be sought this year to accommodate additional exhibitors.
- The event will not be open to commercial exhibitors.
- The EAC members discussed possible environmental groups with impact in Carroll County that have not already been identified. Ms. Marasco suggested the Girl Scouts. She will provide Ms. Dinne with a contact.

Action Items:

- ★ Ms. Marasco Provide Ms. Dinne with a contact for the Carroll County Girl Scouts

b. Upcoming Public Outreach Events

- Ms. Dinne shared information about an upcoming event via Charlotte’s Quest. She will share information about events like these when she receives them. However, the EAC is not expected to officially participate in these events. The EAC participates officially in a couple events per year.

Action Items:

- ★ Ms. Dinne Share information regarding upcoming local environmental events as received.

7. PUBLIC COMMENTS & CONCERNS -

- Ms. Claire Barry attended. She has questions about Wakefield Valley Community Trail. She was referred to the City of Westminster since it is a City facility.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 4:52 PM. The next monthly meeting is scheduled for Wednesday, June 21, 2023, at 3:00 PM in Room 204, County Office Building.

MEETING ADJOURNMENT - MOTION 443-23: Motion was made by Craig Connell and seconded by Tamara Strobel to adjourn the May 17, 2023, meeting. Motion carried.

Upcoming Meetings:

Regular Monthly Meeting – Wednesday, June 21, 2023 @ 3:00 PM



Carroll County Environmental Advisory Council

225 N Center Street
Westminster, MD 21157-5194
Telephone: 410-386-2140

Craig Paskoski, Chair
Curtis Barrett, Vice Chair

CarrollCountyMD.gov/EAC ♦ EAC@CarrollCountyMD.gov

*Brenda Dinne,
Staff Liaison/Secretary
Department of Land
& Resource Management*

Meeting Summary for June 21, 2023

Members

- Curtis Barrett
- Craig Connell
- Neal Goldberg
- Kathleen Marasco
- Charlene Norris
- Craig Paskoski
- Tom Scanlan
- Tamara Strobel

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

-

Other Attendees

- James Nitsch, Jr.
- Harrison Nitsch

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the June 21, 2023, meeting of the Environmental Advisory Council (EAC) to order at 3:02 PM in Room 204 of the County Office Building.

2. APPROVAL OF MEETING MINUTES -

a. May 17, 2023

Discussion/Decision:

- Approval of the May minutes was discussed. No changes were made.

APPROVAL OF MINUTES - Motion 444-23: Motion was made by Charlene Norris and seconded by Kathleen Marasco to approve the May 17, 2023, meeting minutes as written. Motion carried.

3. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held virtually on July 12, 2023, at 6:30 PM via GoToMeeting. The agenda will tentatively include:
 - the Invasive Plants & Noxious Weeds Public Outreach booklet and
 - an update on the 2023 Environmental Action Awards.
- The Board of County Commissioners appointed someone to the last vacancy on the EAC. The new member will officially join the EAC once the acceptance form has been received.

4. NEW BUSINESS -

a. None

Discussion:

-

Action Items:

- ★ n/a

Reference/Attachment(s):

-

5. BUSINESS IN PROGRESS -

a. Invasive Plants & Noxious Weeds Public Outreach Publication - Discussion

Discussion:

- A few minor revisions and additions were suggested to the initial draft text.
- The thistle and barberry highlighted plant species were narrowed down specifically to Canada Thistle and Japanese Barberry.
- Individual members volunteered to pull together the information for each of the remaining five highlighted species. It will be sent to Ms. Dinne by June 30 to be incorporated to the draft.
- Some concern was expressed that not all practices suggested by referenced resources actually work. Some clarifications may need to be made.
- Ms. Dinne will make the additional revisions and provide a revised copy for review at the July 12 meeting.

Action Items:

- ★ Mr. Barrett Put together Canada Thistle info based on the example in the draft document & email to Ms. Dinne to insert in document.
- ★ Mr. Goldberg Put together Tree of Heaven info based on the example in the draft document & email to Ms. Dinne to insert in document.
- ★ Ms. Marasco Put together Garlic Mustard info based on the example in the draft document & email to Ms. Dinne to insert in document.
- ★ Ms. Norris Put together Japanese Barberry info based on the example in the draft document & email to Ms. Dinne to insert in document.
- ★ Paskoski Put together Palmer Amaranth info based on the example in the draft document & email to Ms. Dinne to insert in document.
- ★ Ms. Dinne Make revisions and additions to draft document & provide for EAC members to review.

Reference/Attachment(s):

- N/A

b. Environmental Stewardship Booklet 2023 Update - Discussion

Discussion:

- Ms. Dinne explained changes to the Solar Energy section. The references to community solar energy generating systems (CSEGS) in the Agricultural Zone were eliminated, as the Board of County

Motions	Action Items	Attachments
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Commissioners is taking action to remove CSEGSs as a permitted use in the Agricultural Zone. The section was retitled, "Renewable Energy," and information on wind energy in the Zoning Code was added.

- Overall, the entire document was reformatted to fit the current plus additional information on less pages.
- A few minor revisions were made.
- Since the Board will hold a public hearing on the removal of Section 158.153(E), CSEGS in the Agricultural Zone, after the next EAC meeting, Ms. Dinne will make the revisions and bring the final draft back to the EAC for final review and potential approval at the August 16 meeting.

Action Items:

- ★ Ms. Dinne

Reference/Attachment(s):

- N/A

c. 2023 Environmental Action Awards

Discussion:

- No nominations have been received yet.
- Some concern was expressed over the lack of even contact from anyone who may be interested and has questions. The awards materials have been sent to the full distribution list, and the information has been shared via press release and social media. Information was also included in a save-the-date email to teachers in the County who were notified of the 2023 Environmental Symposium date.
- The deadline may need to be extended. In the meantime, EAC members will reach out where possible and try to spread the word more. Ms. Dinne will touch base with Maria Myers for possible businesses who have implemented good environmental practices. The EAC will revisit at the next meeting to determine what action to take if no nominations have been received.

Action Items:

- ★ All EAC Members Reach out where possible to encourage nominations and spread the word.
- ★ Ms. Dinne Reach out to Maria Myers for potential nominees.

Reference/Attachment(s):

- N/A

6. OTHER -

a. Upcoming Public Outreach Events

- 2023 Environmental Symposium: The final date for this year’s symposium has been set and confirmed. It will be held on Saturday, October 28, 2023, at the Carroll County Agriculture Center from 9 AM to 12 PM. While commercial vendors may be incorporated in the future, the event will be slowly expanded to add features in a manageable manner. Therefore, commercial vendors will not be accepted yet this year.

Action Items:

- ★ n/a

7. PUBLIC COMMENTS & CONCERNS -

- Harrison Nitsch attended the meeting to observe and take notes as part of his Eagle Scout work.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 4:15 PM. The next monthly meeting is a virtual meeting scheduled for Wednesday, July 12, 2023, at 6:30 PM via GoToMeeting.

MEETING ADJOURNMENT - MOTION 445-23: Motion was made by Tom Scanlan and seconded by Curt Barrett to adjourn the June 21, 2023, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting - Wednesday, July 12, 2023 @ 6:30 PM via GoToMeeting*



Carroll County Environmental Advisory Council

225 N Center Street
Westminster, MD 21157-5194
Telephone: 410-386-2140

Craig Paskoski, Chair
Curtis Barrett, Vice Chair

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*Brenda Dinne,
Staff Liaison/Secretary
Department of Land
& Resource Management*

Meeting Summary for July 12, 2023

Members

- Curtis Barrett
- Craig Connell
- Neal Goldberg
- Kathleen Marasco

- Charlene Norris
- Craig Paskoski
- Tom Scanlan
- Tamara Strobel

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

▪

Other Attendees

▪

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the July 12, 2023, virtual meeting of the Environmental Advisory Council (EAC) to order at 6:33 PM via GoToMeeting.

2. APPROVAL OF MEETING MINUTES -

a. June 21, 2023

Discussion/Decision:

- Approval of the June minutes was discussed. No changes were made.

APPROVAL OF MINUTES - Motion 446-23: Motion was made by Neal Goldberg and seconded by Tamara Strobel to approve the June 21, 2023, meeting minutes as written. Motion carried.

3. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held on August 16, 2023, at 3:00 PM in Room 204 of the County Office Building. The agenda will tentatively include:
 - A guest speaker to share information regarding the County's floodplain management program,
 - Review and potential approval of the final draft of the 2023 Environmental Stewardship booklet, and
 - An update on the 2023 Environmental Action Awards.
- The Board of County Commissioners appointed a new member, whose first meeting is expected to be August 16.

4. NEW BUSINESS -

a. None

Discussion:

▪

Action Items:

★ n/a

Reference/Attachment(s):

▪

5. BUSINESS IN PROGRESS -

a. Invasive Plants & Noxious Weeds Public Outreach Publication - Discussion

Discussion:

- The members discussed minor revisions to the draft document. All were happy with the information provided and a motion to approve the document was made.
- Once the Environmental Stewardship booklet is approved and final, Ms. Dinne will request time on the Board of County Commissioners' agenda to provide an informational presentation on these two documents. Both documents were included in the EAC work plan discussed with the Board in January 2023.

MEETING ADJOURNMENT - MOTION 447-23: Motion was made by Curt Barrett and seconded by Charlene Norris to approve the Invasive Plants & Noxious Weeds public outreach document as amended per discussion. Motion carried.

Action Items:

★ Ms. Dinne Finalize the document. Post on the EAC webpage and make hardcopies for distribution.

Reference/Attachment(s):

- [Preventing, Managing, & Eradicating Invasive Plants & Noxious Weeds in Carroll County](#)

b. 2023 Environmental Action Awards

Discussion:

- Ms. Dinne indicated that no nominations have been received yet, and the deadline is July 31, 2023. The EAC agreed to extend the deadline to September 30, 2023, to ensure there is time for high school teachers and students to be aware of the awards as the school year begins.
- To get the word out about the deadline extension, a press release will be sent out, the EAC webpage will make note of it; and the groups that participated in the Environmental Symposium will be notified.
- The process to select winners will need to be expedited to ensure winners are adequately notified before the October 28, 2023, Environmental Symposium.

Motions	Action Items	Attachments
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Action Items:

- ★ All EAC Members Reach out where possible to encourage nominations and spread the word.
- ★ Ms. Dinne Reach out to Maria Myers regarding potential nominees.

Reference/Attachment(s):

- N/A

6. OTHER -

a. Upcoming Public Outreach Events

- Maria Myers' Retirement: The EAC would like to send a letter of appreciation to Ms. Myers.

Action Items:

- ★ Mr. Paskoski Draft initial text for letter of appreciation for Maria Myers and send to Ms. Dinne.

7. PUBLIC COMMENTS & CONCERNS -

- None.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 7:11 PM. The next monthly meeting is scheduled for Wednesday, August 16, 2023, at 3:00 PM in Room 204 of the County Office Building.

MEETING ADJOURNMENT - MOTION 448-23: Motion was made by Tom Scanlan and seconded by Curt Barrett to adjourn the June 21, 2023, meeting. Motion carried.

Upcoming Meetings:

☐ *Regular Monthly Meeting - Wednesday, August 16, 2023 @ 3:00 PM, Room 204, County Office Building*



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Westminster, MD 21157-5194
Telephone: 410-386-2140

Craig Paskoski, Chair
Curtis Barrett, Vice Chair

CarrollCountyMD.gov/EAC ♦ EAC@CarrollCountyMD.gov

*Brenda Dinne,
Staff Liaison/Secretary
Department of Land
& Resource Management*

Meeting Summary for August 16, 2023

Members

- Curtis Barrett
- Monica Blumberg
- Craig Connell
- Neal Goldberg
- Kathleen Marasco
- Charlene Norris
- Craig Paskoski
- Tom Scanlan
- Tamara Strobel

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

- Jonathon Bowman

Other Attendees

-

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the August 16, 2023, virtual meeting of the Environmental Advisory Council (EAC) to order at 3:00 PM in Room 204 of the County Office Building.

2. INTRODUCTION OF NEW MEMBER - MONICA BLUMBERG

- Ms. Blumberg introduced herself and shared some of her background. The other EAC members shared their backgrounds as well.

3. APPROVAL OF MEETING MINUTES -

a. August 16, 2023

Discussion/Decision:

- Approval of the August minutes was discussed. A revision was made to the first sentence in the paragraph under Environmental Action Awards. The EAC voted on the minutes as amended based on discussion.

APPROVAL OF MINUTES - Motion 449-23: Motion was made by Curt Barrett and seconded by Craig Connell to approve the August 16, 2023, meeting minutes as amended. Motion carried.

4. STAFF LIAISON REPORT -

Discussion/Decision:

- The next meeting will be held on September 20, 2023, at 3:00 PM in Room 204 of the County Office Building. The agenda will tentatively include:
 - A guest speaker on a topic to be determined. The previously arranged speaker will not be available.

- An update on the 2023 Environmental Action Awards.
- At the July 12 meeting, the EAC requested a letter be sent to Maria Myers expressing their appreciation for her work upon her retirement in August. The letter was signed by the Chair. It will be sent to Ms. Myers before her last day.

5. NEW BUSINESS –

a. Envirothon – Informational Overview – Jonathon Bowman, CC Forest Conservation/Landscape Specialist

Discussion:

- Mr. Bowman provided the EAC with an overview on Envirothon. It is a competition for high-school students focused on recurring four topics – forestry, aquatics, wildlife, and soils – plus a fifth topic that changes each year. Teams of 5 are formed at the county level and compete against other counties for a state winner. Competition includes written tests and hands-on activities to demonstrate knowledge in these topic areas. The state winners compete nationally.
- It is a challenge to find adult advisors for the team. The event has not been widely promoted in recent years. However, it is an opportunity for students to learn about environmental topics and explore their interests.
- Mr. Bowman displayed several types of tree branches to the EAC members and quizzed them on which types of trees they are. This was an example of the type of information the students learn.

Action Items:

- n/a

Reference/Attachment(s):

- *Website:* <https://mdenvirothon.org/>

6. BUSINESS IN PROGRESS –

a. 2023 Environmental Stewardship Booklet – Review and Approval

Discussion:

- Ms. Dinne reviewed some of the key additions and deletions from the document with this update.
- The final, approved booklet will be distributed both via hardcopies as well as electronically (link). The extensive distribution includes, among many others, the Carroll County Delegation, the Carroll County Public Libraries, and Carroll County Public Schools. Since it will be going to the Delegation, the EAC will brief the Board on the completed document prior to distribution.

MEETING ADJOURNMENT – MOTION 450-23: Motion was made by Curt Barrett and seconded by Neal Goldberg to approve the 2023 Environmental Stewardship booklet as presented. Motion carried.

Action Items:

- Ms. Dinne
 - Finalize the document.
 - Request time on Commissioners’ open agenda to brief the Board.
 - Post on the EAC webpage and make hardcopies for distribution.

Reference/Attachment(s):

- *Booklet:* [2023 Environmental Stewardship Booklet](#)

Motions	Action Items	Attachments
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b. 2023 Environmental Action Awards

Discussion:

- The deadline was extended to September 30, 2023. The information was shared via press release, the EAC Awards webpage, teachers on the Environmental Symposium list, and by reaching out to additional groups.
- So far, one nomination has been received and one additional is anticipated to be submitted soon.
- As several members were appointed since the last awards cycle, Ms. Dinne showed the evaluation criteria and sample ranking tables that the EAC members will use to evaluate the nominations. These will be provided to the EAC members along with the nominations once the deadline passes.

Action Items:

- All EAC Members Continue to reach out where possible to encourage nominations and spread the word.

Reference/Attachment(s):

- N/A

7. OTHER -

a. Upcoming Public Outreach Events

- Stream clean-up and/or tree planting/maintenance events may be scheduled for the fall. Ms. Dinne will share the information with the EAC as soon as dates are confirmed.

Action Items:

- n/a

8. PUBLIC COMMENTS & CONCERNS -

- None.

9. ADJOURN REGULAR MEETING -

- The meeting adjourned at 4:02 PM. The next monthly meeting is scheduled for Wednesday, September 20, 2023, at 3:00 PM in Room 204 of the County Office Building.

MEETING ADJOURNMENT - MOTION 451-23: Motion was made by Neal Goldberg and seconded by Curt Barrett to adjourn the August 16, 2023, meeting. Motion carried.

Upcoming Meetings:

Regular Monthly Meeting – Wednesday, September 20, 2023 @ 3:00 PM, Room 204, County Office Building



Carroll County Environmental Advisory Council

225 N Center Street
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Meeting Summary for September 20, 2023

Members

- Curtis Barrett
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- Tom Scanlan
- Neal Goldberg
- Tamara Strobel
- Kathleen Marasco

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

- Pat Varga, Carroll County Floodplain Specialist

Other Attendees

-

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the September 20, 2023, meeting of the Environmental Advisory Council (EAC) to order at 3:00 PM in Room 204 of the County Office Building.

2. APPROVAL OF MEETING MINUTES -

a. August 16, 2023

Discussion/Decision:

- Approval of the August minutes was discussed. A revision was made to the first sentence in the paragraph under Environmental Action Awards. The EAC voted on the minutes as amended based on discussion.

APPROVAL OF MINUTES - Motion 452-23: Motion was made by Curt Barrett and seconded by Charlene Norris to approve the August 16, 2023, meeting minutes as amended. Motion carried.

Reference/Attachment(s):

- www.carrollcountymd.gov/government/boards-commissions/environmental-advisory-council/meetings/

3. STAFF LIAISON REPORT -

Discussion/Decision:

- Byron Madigan will speak about stream monitoring at the October 18 meeting. The agenda will also include a discussion of work plan ideas for 2024.
- The Board of County Commissioners voted on September 14, 2023, to merge the Department of Planning back into the Department of Land & Resource Management. The name of the department was changed to Planning & Land Management.

4. NEW BUSINESS -

a. National Flood Insurance Program & Community Rating System - Pat Varga

Discussion:

- Pat Varga, the County's Floodplain Specialist gave an overview of the Federal Emergency Management Agency's (FEMA) National Floodplain Insurance Program (NFIP) and the Community Rating System (CRS). The NFIP is managed by the FEMA. Most homeowners' insurance does not cover flood damage. Flood insurance is a separate policy that can cover buildings, the contents in a building, or both. The NFIP provides flood insurance to property owners, renters, and businesses, and having this coverage helps them recover faster when floodwaters recede. The NFIP works with communities required to adopt and enforce floodplain management regulations that help mitigate flooding effects.
- The Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management practices that exceed the minimum requirements of the NFIP. In CRS communities, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community's efforts that address the three goals of the program, which are to reduce and avoid flood damage to insurable property; strengthen and support the insurance aspects of the National Flood Insurance Program; and foster comprehensive floodplain management.
- Mr. Varga has made it his mission to keep improving the County's rating to achieve increasingly higher discounts for county property owners. He reviewed the measures in place in Carroll County that have allowed the County to achieve a CRS rating of Class 5, effective October 2024. This rating will result in a 25% discount. Carroll is one of only three counties in Maryland that have achieved Class 5, with only 25 communities in the country having a higher rating.

Action Items:

- n/a

Reference/Attachment(s):

- *Presentation:* [FEMA, The National Flood Insurance Program, and The Community Rating System](#)
- *Video Link:* [Wet Floodproofing Commercial Structures, USACE](#)
- *Video Link:* [Hurricane Agnes: 50 Years Later, CCG](#)
- *Website:* [50th Anniversary of Hurricane Agnes](#)

5. BUSINESS IN PROGRESS -

a. 2023 Environmental Action Awards

Discussion:

- Four nominations have been received thus far. The deadline is September 30.
- Ms. Dinne reviewed the evaluation criteria and how to fill out the ranking sheets. The EAC will receive all the nominations at one time. Members will review the nominations, fill out the ranking sheets, and return them to Ms. Dinne within a week to ensure winners can be notified in time for the awards presentation at the 2023 Environmental Symposium on October 28.

Action Items:

- All EAC Members
- Review nomination packets, complete ranking sheets, return to Ms. Dinne by October 6.

Reference/Attachment(s):

- *Webpage:* [EAC Environmental Action Awards](#)

Motions	Action Items	Attachments
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6. OTHER -

a. Report on Commissioner Briefing re: 2023 Environmental Stewardship Booklet

- On September 14, 2023, Chair Paskoski briefed the Board on the updated Environmental Stewardship booklet, as well as the Invasive Plants & Noxious Weeds public outreach piece. Feedback was positive. The publications will be distributed. The Environmental Stewardship booklet will be sent to the county's State Delegation, as well as our U.S. Congressional representatives.

Reference/Attachment(s):

- *Webpage: Environmental Stewardship in Carroll County; www.carrollcountymd.gov/government/boards-commissions/environmental-advisory-council/environmental-stewardship-in-carroll-county/*
- *Document: Preventing, Managing, & Eradicating Invasive Plants & Noxious Weeds in Carroll County; www.carrollcountymd.gov/media/zpmdq4bd/invasive-plants-noxious-weeds-po-final-2023-jul-12.pdf*

b. Upcoming Public Outreach Events

- 2023 Annual Environmental Symposium: The event will be held at the Ag Center this year from 9:00 AM to 12:00 PM. The same set up for the EAC table will be used. EAC members will sign up for a shift to ensure the full time is covered.

Action Items:

- n/a

7. PUBLIC COMMENTS & CONCERNS -

- None.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 4:40 PM. The next monthly meeting is scheduled for Wednesday, October 18, 2023, at 3:00 PM in Room 204 of the County Office Building.

MEETING ADJOURNMENT - MOTION 453-23: Motion was made by Kathleen Marasco and seconded by Monica Blumberg to adjourn the September 20, 2023, meeting. Motion carried.

Upcoming Meetings:

- Regular Monthly Meeting - Wednesday, October 18, 2023 @ 3:00 PM, Room 204, County Office Building*

FEMA, The National Flood Insurance Program, and The Community Rating System



Patrick Varga, CFM – Environmental Review Supervisor and
Floodplain Management/GIS Specialist



Congressional Act of 1803

The first legislative act of federal disaster relief in U.S. history followed a devastating fire in Portsmouth, New Hampshire in December 1802. The destruction of large areas of the city's seaport threatened commerce in the newly founded nation. **In 1803, U.S. Congress provided relief to affected Portsmouth merchants by suspending bond payments for several months.**

Creation of FEMA

President Carter signed Executive Order 12127, effective **April 1, 1979, establishing FEMA**. Shortly after, in signing Executive Order 12148 on July 20, 1979, President Carter gave the agency the dual mission of **emergency management and civil defense**.



Photo – Billy Hathorn

The Stafford Act

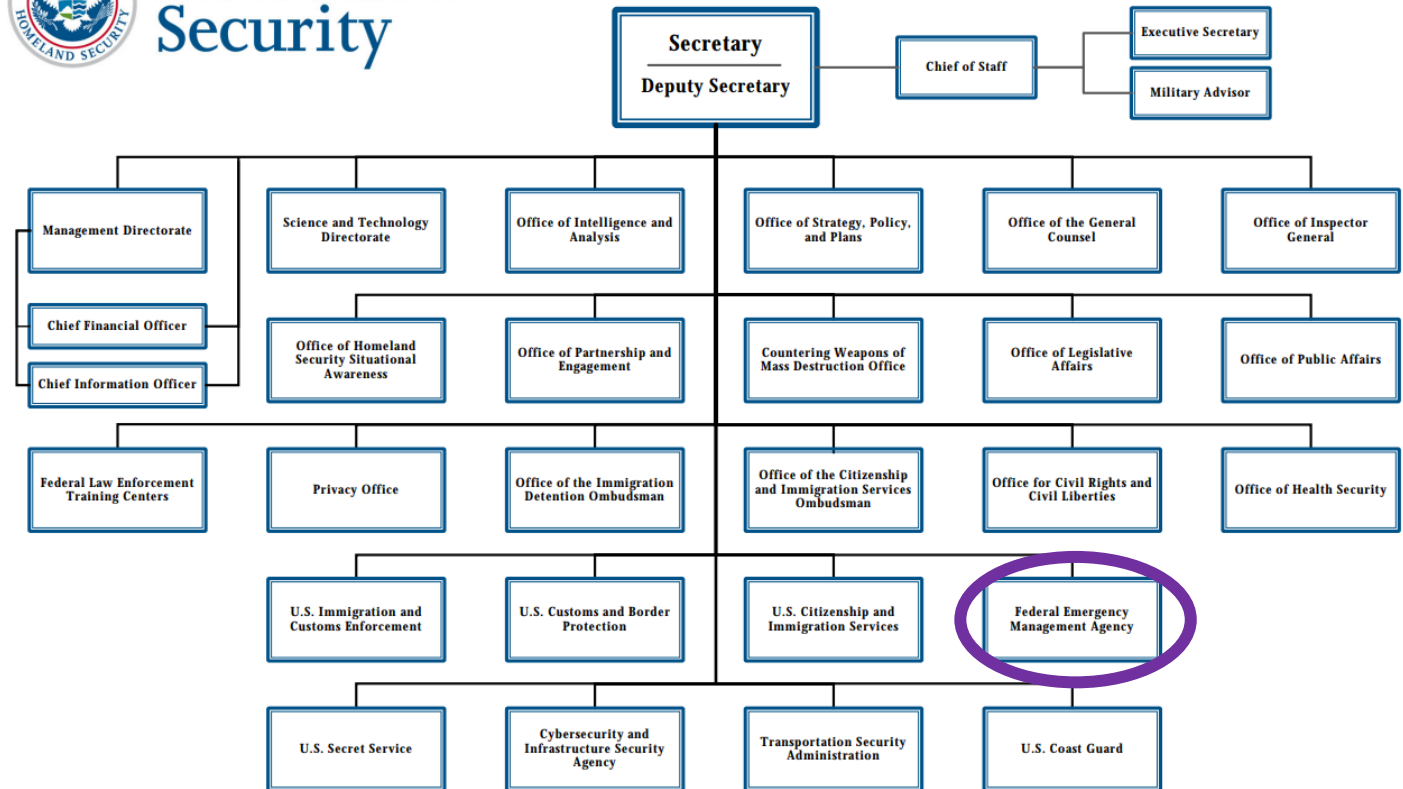
The agency's authorities were further defined and expanded by the Disaster Relief and Emergency Assistance Amendments of 1988, which amended the Disaster Relief Act of 1974 and renamed it the Robert T. Stafford Disaster Relief and Emergency Assistance Act ([Stafford Act](#)). The Stafford Act **provided clear direction for emergency management and established the current statutory framework for disaster response and recovery through presidential disaster declarations.**

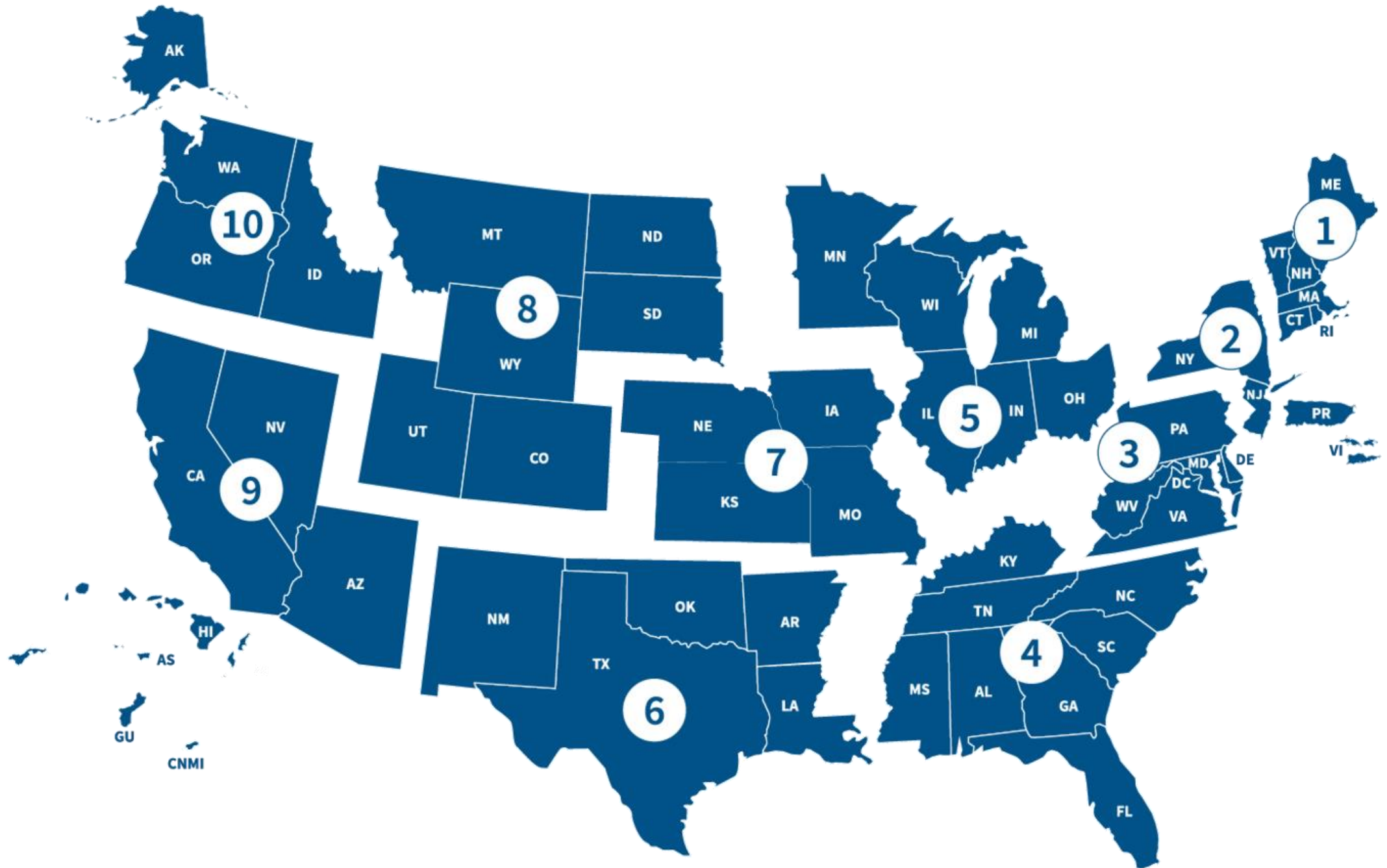
Department of Homeland Security

The terrorist attacks of September 11, 2001 changed the face of homeland security and emergency management and drove major statute and policy changes to reorganize the federal government. In 2002, President W. Bush signed the **Homeland Security Act, leading to the creation of the U.S. Department of Homeland Security (DHS).** The department was created on March 1, 2003 and united FEMA and 21 other organizations.



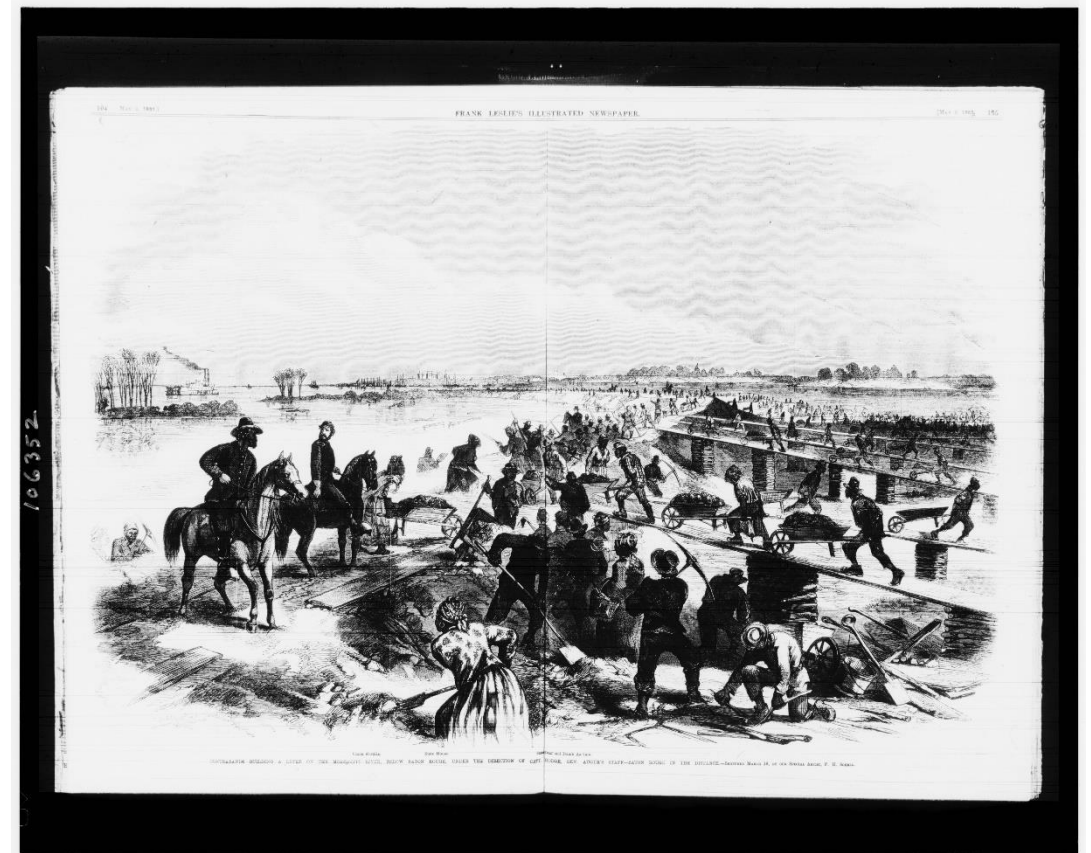
Homeland Security





Early American Floodplain Policy

- **1849 - The Swamp Land Acts of 1849 and 1850 transfer swamp and overflow land from federal control to most state governments along the lower Mississippi River** on the condition that the states use revenue from the land sales to **build levees and drainage channels**. The Acts require no federal funds.
- 1861 - In a Report upon the Physics and Hydraulics of the Mississippi River, Captain Andrew A. Humphreys, Corps of Topographical Engineers, and Lieutenant Henry L. Abbott **support the completion of the existing levee system and exclude alternative flood controls, partly for economic reasons. The emphasis on levees represents the primary focus of U.S. policy on flood control well into the 20th century.**
- **1866 - Captain Humphreys becomes Chief of Engineers of the U.S. Army and labors to quash opposition to the “levees-only” policy he advocates.**



F.H. Schell

Early American Floodplain Policy

- 1927 - The Great Mississippi River Flood shows the limits of Humphreys' "levees only" policy. The **death toll is 246 but may have reached 500**, more than **700,000 people are homeless**, 150 Red Cross camps care for more than **325,000 refugees**, and property **damage exceeds \$236 million**. Nearly **27,000 square miles / 13 million acres of land are flooded**.
- 1929 - The private insurance industry abandons the coverage of flood losses.



Gilbert White – Father of modern floodplain management

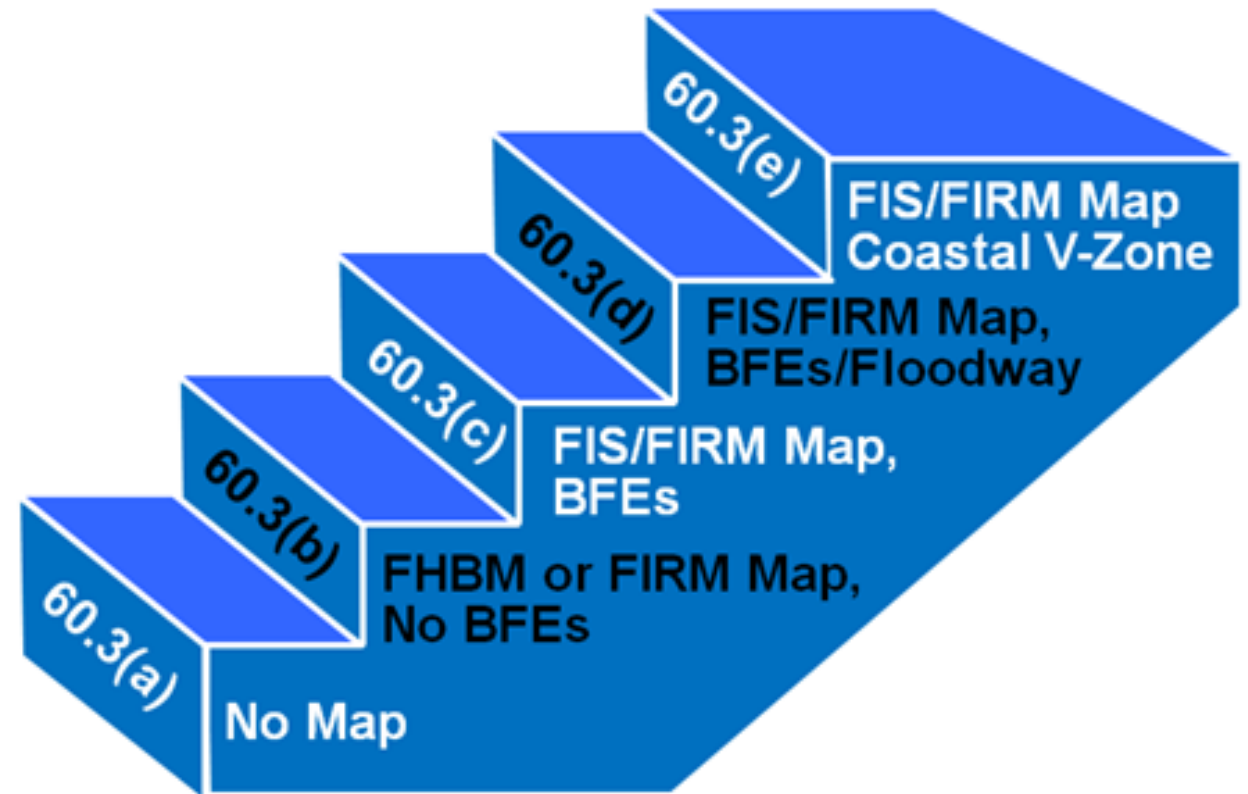
- After another Mississippi flood of 1937, Dr. Gilbert White writes (1942), “Human Adjustments to Floods”
- “[Development should be]...an integration of engineering, geographic, economic, and related techniques.”
- “Floods are an act of God, but flood losses are largely an act of man“
- “The solutions [should include]... a combination of **all eight types of adjustments**, judiciously selected with a view to the most effective use of floodplains.”

“Human Adjustments to Floods”

- The following eight adjustment factors in White’s
- 1. Elevation of land
- 2. Flood Abatement (Watershed management approaches)
- 3. Flood Protection (Structural flood control)
- 4. Emergency Measures
- 5. Structural Adjustments (building and infrastructure)
- 6. Land Use
- 7. Public Relief
- 8. Insurance

The National Flood Insurance Act of 1968 launches the NFIP with two primary goals:

- Reducing future flood damage
- Protecting property owners.



Goals of NFIP

- Emphasize less costly, non-structural flood control methods
- Shift costly burden to landowners in Floodplain rather than all taxpayers
- Provide landowners affordable flood insurance coverage not available in the private market
- Encourage community participation



Hot to achieve goals

- Reduce likelihood of building damage
- Prevent new developments from increasing flood risk
- Maintain and restore natural and beneficial functions of floodplains

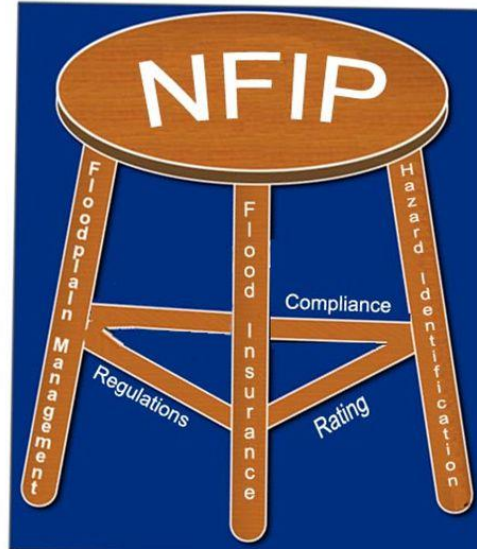


Keys to success

- Effective enforcement of floodplain regulations
- Federally-backed flood insurance
- Accurate floodplain mapping

“The Three-Legged Stool”

- The NFIP balances three related program areas
- 1. Flood Hazard Identification**
(Mapping)
- 2. Floodplain Management**
(Regulations such as building codes and zoning)
- 3. Flood Insurance**
(Provision of Flood Insurance for Property owners in participating Communities)



Milestones

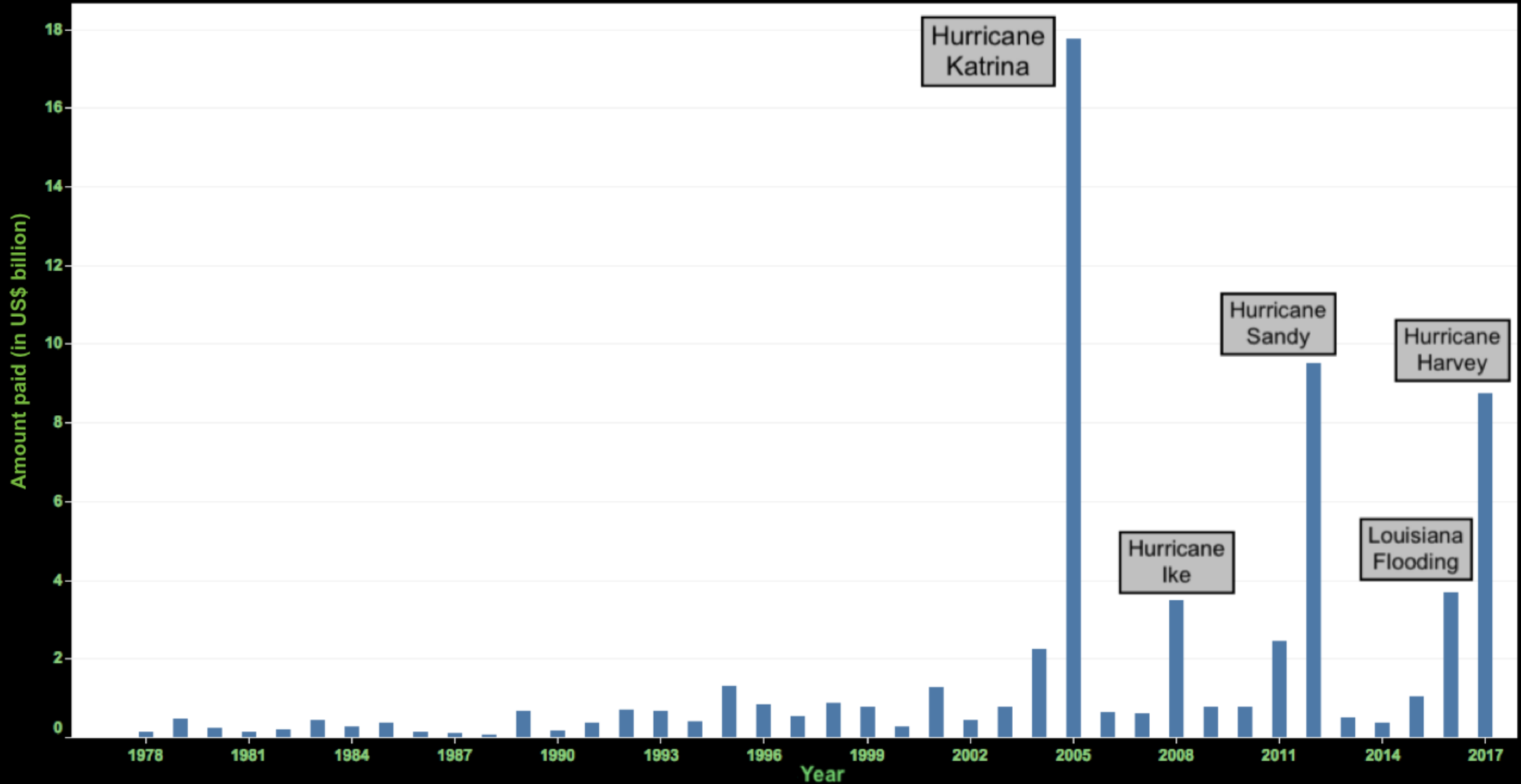
- 1973 – Flood Disaster Protection Act
 - Prohibits Federal Agencies from aiding in construction projects for non-NFIP communities
 - Established the mandatory purchase requirement
 - Dramatic increase in participation
 - 1973 – 2,200 Communities
 - 1977 – 15,000 Communities
 - 2023 – 22,594 Communities
- 1979 – NFIP becomes part of FEMA
- 1994 National Flood Insurance Reform Act
 - Decrease financial burden by increasing participation
 - Increased Maximum amount
 - Fines for lenders that do not require flood insurance
 - Established grant program for mitigation
 - Created **Community Rating System**



Milestones

- 2004 – Flood Insurance Reform Act
 - Eliminates incentives to rebuild on properties that repeatedly flood
 - Establishes flood insurance training for insurance professionals
- 2012 – Biggert-Waters Flood Insurance Reform Act
 - Introduces rate change to “increase the NFIP’s fiscal soundness”
 - Authorizes national mapping program
- 2014 – Homeowner Flood Insurance Affordability Act
 - Restores grandfathering and places limits on rate increase
- 2018 – Disaster Recovery Reform Act
 - Focused efforts to build a culture of preparedness
- 2021 – 2023 – Risk Rating 2.0
 - Insurance premiums based on proximity to flooding source, rather than just in or out.

Loss Dollars Paid by the National Flood Insurance Program (1978-2017)



Note: Labels highlight major flooding events in the year. Payouts are for the entire year, and not just for the highlighted event.
Source: National Flood Insurance Program

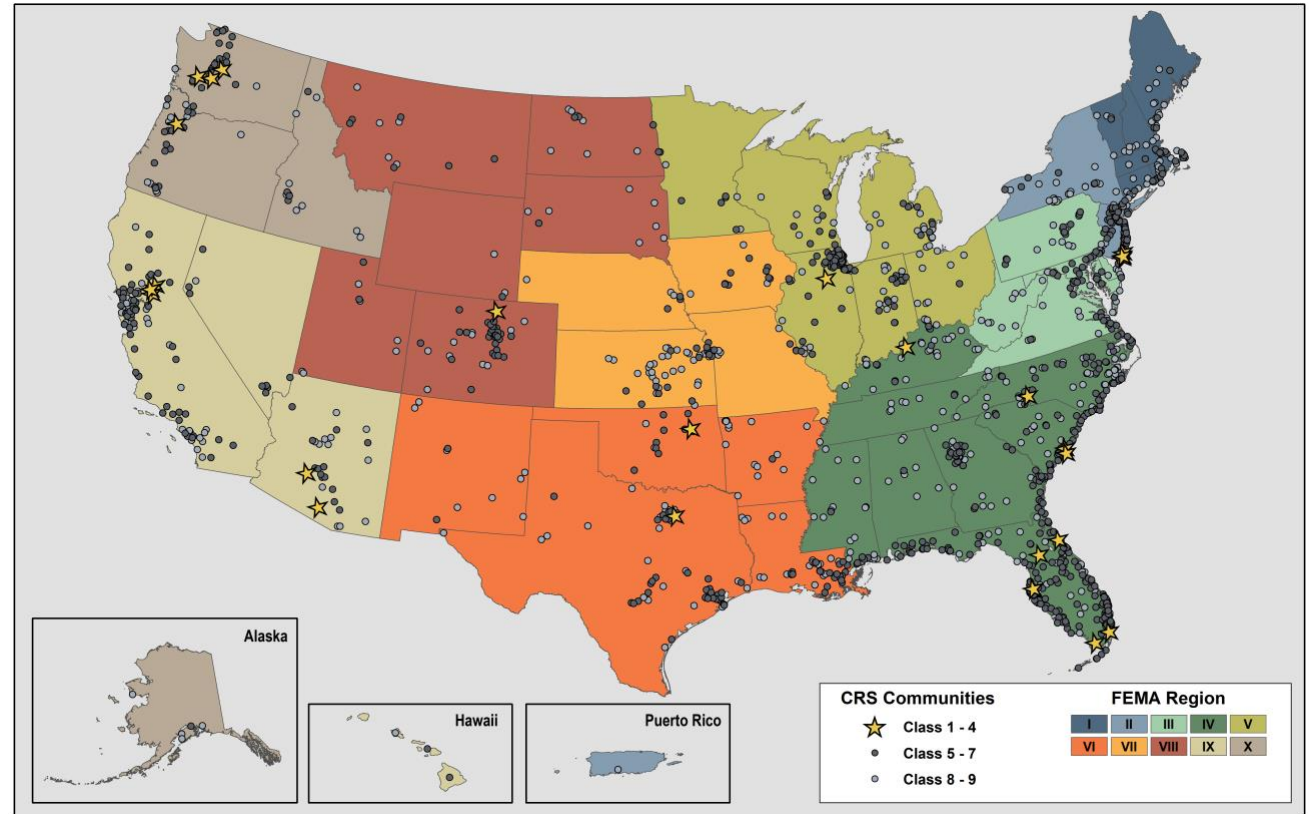
Community Rating System

- The National Flood Insurance Program (NFIP) Community Rating System (CRS) was implemented as a voluntary program for recognizing and encouraging community floodplain management activities that exceed minimum NFIP standards. Any community fully compliant with NFIP floodplain management requirements may apply to join the CRS.



Community Rating System

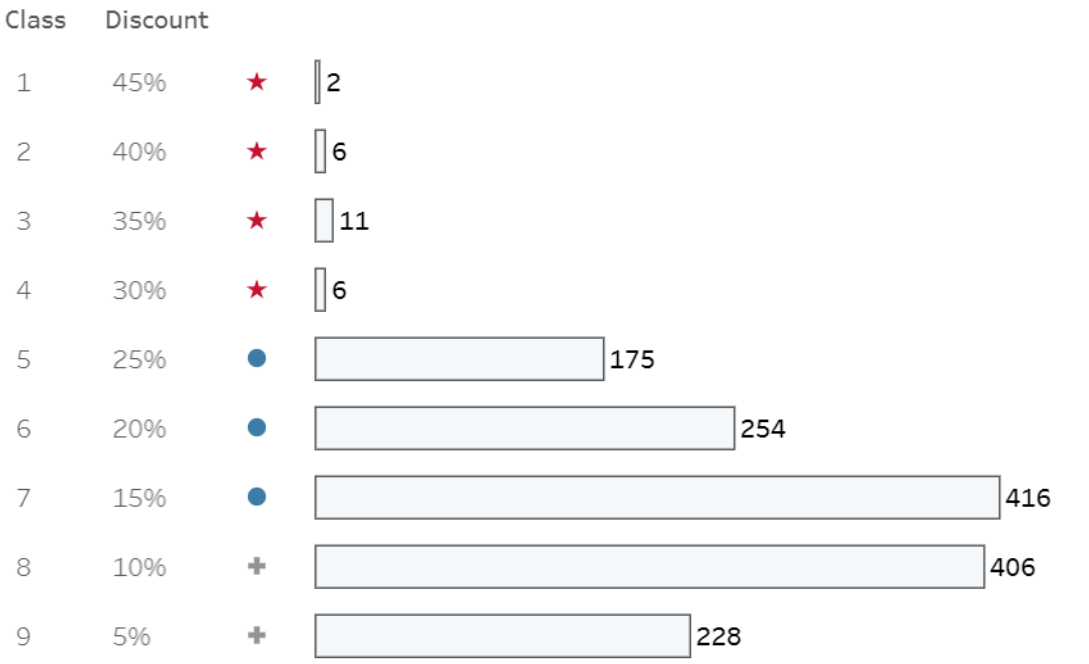
- The CRS has 1,520 communities throughout the United States that participate in the program by implementing local mitigation, floodplain management, and outreach activities that exceed the minimum NFIP requirements. These CRS communities have over 3.6 million policyholders, accounting for more than 70% of all NFIP flood insurance policies.
- Under the CRS, flood insurance premium rates are discounted to reward community actions that meet the three goals of the CRS: (1) reduce flood damage to insurable property; (2) strengthen and support the insurance aspects of the NFIP; and (3) encourage a comprehensive approach to floodplain management.



Community Rating System

- The CRS uses a Class rating system that is similar to fire insurance rating to determine flood insurance premium reductions for residents. CRS Classes are rated from 10 to 1. As a community engages in additional mitigation activities, its residents become eligible for increased NFIP policy premium discounts. Each CRS Class improvement produces a 5% greater discount on flood insurance premiums for properties in the SFHA.

COMMUNITIES BY CLASS



CRS Classes

- CRS Class changes occur on April 1 and October 1 of each year.
- Carroll Joined as a Class 8 in 2007, upgraded to Class 7 in 2018, Class 6 in 2023, Class 5 in 2024
- A community accrues points to improve its CRS Class rating and receive increasingly higher discounts. Points are awarded for engaging in any of 19 creditable activities, organized under four categories: **(1) Public Information, (2) Mapping and Regulations, (3) Flood Damage Reduction, and (4) Warning and Response.**

Public Information

- *Activity 310 (Elevation Certificates)* Maintaining construction certificates and making them available to the public
- *Activity 320 (Map Information Service)* Providing Flood Insurance Rate Maps (FIRMS) and other map information, and publicizing that service.

<u>Date</u>	<u>Type</u>	<u>Property Location or Address</u>	<u>Panel</u>	<u>Zone</u>	<u>Insurance Purchase Requirement? (yes/verbal)</u>	<u>FEMA floodplain?</u>	<u>Depth of Flooding at Structure (ft)</u>	<u>Historic Flooding?</u>	<u>Natural Floodplain Functions/Wetlands</u>	<u>Comments</u>
10/21/2022	T	50 North Main Street	24013C0158D	AE	Y	Y	~6	Y	restoration upstream	Temporary tent to be placed on property
11/14/2022	T	0707015050 - Main Street	24013C0092D	N/A	N	N	N/A	N	Vehicle repair shop proposed	Citizen concern regarding proposed SWM outfall
11/25/2022	T	2097 Misty Meadow Road	24013C0220D	AE	N	Y	~3	N	Cabin placed on grade within floodplain	Cabin must be removed - relocated out of floodplain 3/2/2023

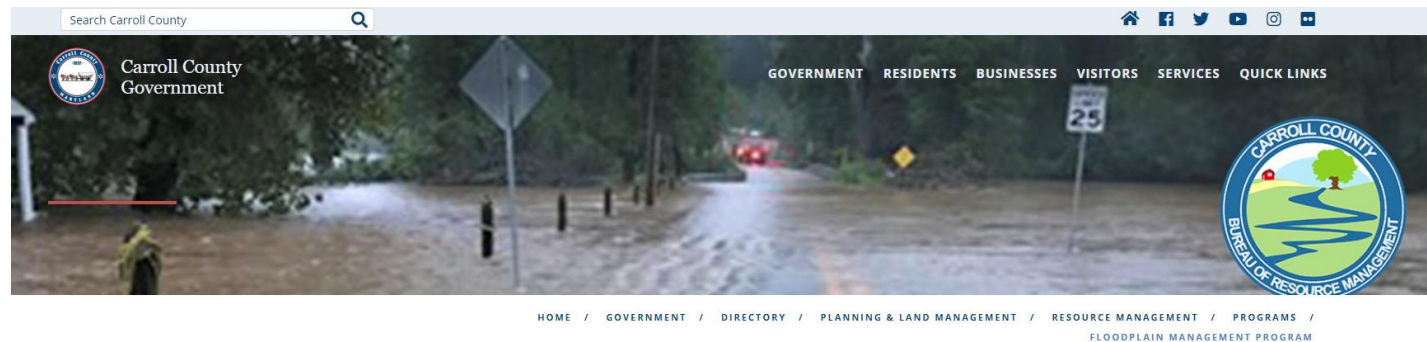
Public Information

- *Activity 330 (Outreach Projects)* Providing information to the public
 - <https://www.youtube.com/watch?v=l7IxNzURekA>
- *Activity 340 (Hazard Disclosure)* Real estate agents' advising potential purchasers of floodprone property about the flood hazard, and local regulations requiring disclosure of the hazard



Public Information

- *Activity 350 (Flood Protection Information)* Maintaining a community public library and/or website that contains flood-related information
- *Activity 360 (Flood Protection Assistance)* Advising property owners and renters about how to protect buildings from flooding and publicizing that service



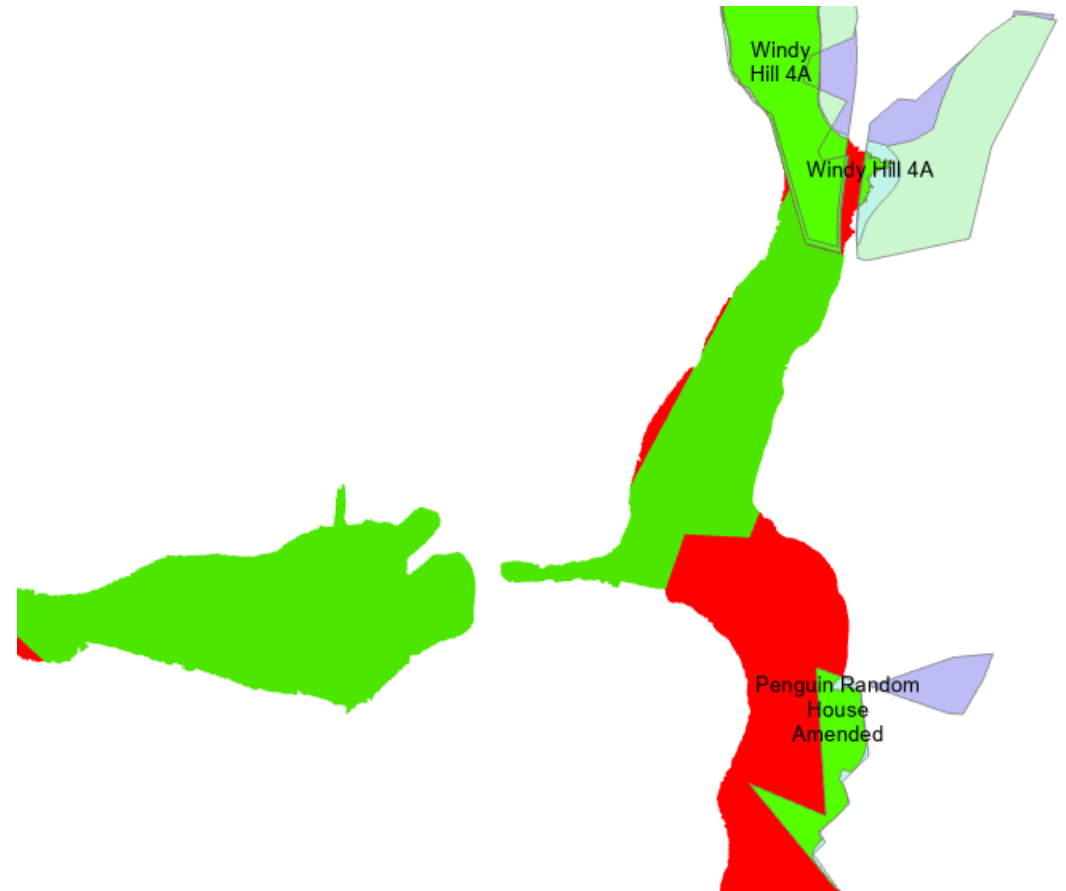
[Link](#)

Public Information

- *Activity 360 (Flood Protection Assistance)* Advising property owners and renters about how to protect buildings from flooding and publicizing that service
- *Activity 370 (Flood Insurance Promotion)* Assessing flood insurance coverage in the community and implementing a plan to promote flood insurance

Mapping and Regulations

- *Activity 410 (Floodplain Mapping)* — Developing regulatory maps for areas not mapped by FEMA or flood mapping based on future conditions, detailed topography, or other standards
- *Activity 420 (Open Space Preservation)* Keeping floodprone land free of development
- *Activity 430 (Higher Regulatory Standards)* Regulations that exceed the NFIP's minimum criteria for floodplain management



Mapping and Regulations

- *Activity 440 (Flood Data Maintenance)* Gathering and/or maintaining more accessible, useful, and/or accurate floodplain data for regulation, insurance rating, hazard disclosure, and property appraisals
- *Activity 450 (Stormwater Management)* Watershed planning and regulations that prevent future development from increasing flood hazards or diminishing water quality

Flood Damage Reduction

- *Activity 510 (Floodplain Management Planning)* Adoption of flood hazard mitigation and/or natural functions plans using the CRS planning process, and/or conducting repetitive loss area analyses
- *Activity 520 (Acquisition and Relocation)* Acquiring insurable buildings and relocating them out of the floodplain, and leaving the property as open space



Flood Damage Reduction

- *Activity 530 (Flood Protection)* Protecting buildings from flood damage by floodproofing, elevation, or minor structural projects
- *Activity 540 (Drainage System Maintenance)* Annual inspections of channels and retention basins, and maintenance of the drainage system's flood-carrying and storage capacity

Flood Warning and Response

- *Activity 610 (Flood Warning and Response)* Timely warning of flood threats and coordinating flood response activities.
- *Activity 620 (Levees)* Annual levee inspection programs and plans to respond to floods caused by levee failure
- *Activity 630 (Dams)* State dam safety programs and plans to respond to flooding caused by dam failure.



	Previous Score		Modified Score		Current Credit		Activity Total
c310	38	c310		c310	38		38
c320	90	c320		c320	90		90
c330	136	c330		c330	136		136
c340	18	c340		c340	18		18
c350	74	c350		c350	74		74
c360		c360		c360			
c370		c370		c370			
c410	16	c410		c410	16	x CGA 1.06	= 17
c420	571	c420		c420	571	x CGA 1.06	= 605
c430	1174	c430		c430	1174	x CGA 1.06	= 1244
c440	136	c440		c440	136	x CGA 1.06	= 144
c450	50	c450		c450	50	x CGA 1.06	= 53
c510		c510	117	c510	117		117
c520	12	c520		c520	12		12
c530		c530		c530			
c540		c540		c540			
c610		c610		c610			
c620		c620		c620			
c630	45	c630		c630	45		45

2593

CRS Benefits

Lower-cost flood insurance rates are only one of the rewards a community receives from participating in the CRS. Here are some other benefits:

- Citizens and property owners in CRS communities have increased opportunities to learn about risk, evaluate their individual vulnerabilities, and take action to protect themselves, as well as their homes and businesses.
- CRS floodplain management activities provide enhanced public safety, reduced damage to property and public infrastructure, and avoidance of economic disruption and loss.
- Communities can evaluate their flood programs against a nationally recognized benchmark.
- Technical assistance in carrying out some activities is available to community officials at no charge.
- CRS communities have incentives to maintain and improve their flood programs over time.

CRS Training

- CRS Specialists are available to assist community officials in applying to the program and in designing, implementing, and documenting the activities that earn even greater premium discounts. A week-long CRS course for local officials is offered free at FEMA's Emergency Management Institute (EMI) on the National Emergency Training Center campus in Emmitsburg, Maryland, and can be field deployed in interested states. A series of webinars is offered throughout the year.



CRS Verification

- Each year, the community must verify that it is continuing to perform the activities that are being credited by the CRS by submitting an annual recertification. In addition, a community can continue to improve its CRS Class rating by undertaking new mitigation and floodplain management activities that earn even more points.
- A community's activities and performance are reviewed during a verification visit. FEMA establishes the credit to be granted and notifies the community, the State, insurance companies, and other appropriate parties.
- Verifications are every five years, or three years for communities with larger premium totals or larger discounts.

FEMA, The National Flood Insurance Program, and The Community Rating System





Carroll County Environmental Advisory Council

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Westminster, MD 21157-5194
Telephone: 410-386-2140

Craig Paskoski, Chair
Curtis Barrett, Vice Chair

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*Brenda Dinne,
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Meeting Summary for October 18, 2023

Members

- Curtis Barrett
- Monica Blumberg
- Craig Connell
- Neal Goldberg
- Kathleen Marasco
- Charlene Norris
- Craig Paskoski
- Tom Scanlan
- Tamara Strobel

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

- Byron Madigan, Water Resources Supervisor

Other Attendees

-

1. CALL TO ORDER -

- Mr. Paskoski, Chair, officially called the October 18, 2023, meeting of the Environmental Advisory Council (EAC) to order at 3:02 PM in Room 204 of the County Office Building.

2. APPROVAL OF MEETING MINUTES -

a. September 20, 2023

Discussion/Decision:

- Approval of the September minutes was discussed. No revisions were made.

APPROVAL OF MINUTES - Motion 454-23: Motion was made by Curt Barrett and seconded by Neal Goldberg to approve the September 20, 2023, meeting minutes as amended. Motion carried.

Reference/Attachment(s):

- www.carrollcountymd.gov/government/boards-commissions/environmental-advisory-council/meetings/

3. STAFF LIAISON REPORT -

Discussion/Decision:

- The November 15 meeting will be a virtual, evening meeting. There will not be a guest speaker. The agenda will include a review of the draft proposed 2024 work plan and the draft 2023 annual report.
- As usual, there will be no December meeting.
- At the January 17 meeting, Cliff Engle, Chief of the Bureau of Solid Waste will update the EAC on the ongoing Solid Waste study. The proposed 2024 work plan will also be approved to review with the Board of County Commissioner at the annual joint meeting.

4. NEW BUSINESS -

a. National Flood Insurance Program & Community Rating System - Pat Varga

Discussion:

- Pat Varga, the County's Floodplain Specialist gave an overview of the Federal Emergency Management Agency's (FEMA) National Floodplain Insurance Program (NFIP) and the Community Rating System (CRS). The NFIP is managed by the FEMA. Most homeowners' insurance does not cover flood damage. Flood insurance is a separate policy that can cover buildings, the contents in a building, or both. The NFIP provides flood insurance to property owners, renters, and businesses, and having this coverage helps them recover faster when floodwaters recede. The NFIP works with communities required to adopt and enforce floodplain management regulations that help mitigate flooding effects.
- The Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management practices that exceed the minimum requirements of the NFIP. In CRS communities, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community's efforts that address the three goals of the program, which are to reduce and avoid flood damage to insurable property; strengthen and support the insurance aspects of the National Flood Insurance Program; and foster comprehensive floodplain management.
- Mr. Varga has made it his mission to keep improving the County's rating to achieve increasingly higher discounts for county property owners. He reviewed the measures in place in Carroll County that have allowed the County to achieve a CRS rating of Class 5, effective October 2024. This rating will result in a 25% discount. Carroll is one of only three counties in Maryland that have achieved Class 5, with only 25 communities in the country having a higher rating.

Action Items:

- n/a

Reference/Attachment(s):

- *Presentation: [FEMA, The National Flood Insurance Program, and The Community Rating System](#)*

5. BUSINESS IN PROGRESS -

a. 2023 Environmental Action Awards

Discussion:

- Four nominations have been received thus far. The deadline is September 30.
- Ms. Dinne reviewed the evaluation criteria and how to fill out the ranking sheets. The EAC will receive all the nominations at one time. Members will review the nominations, fill out the ranking sheets, and return them to Ms. Dinne within a week to ensure winners can be notified in time for the awards presentation at the 2023 Environmental Symposium on October 28.

Action Items:

- All EAC Members
- Review nomination packets, complete ranking sheets, return to Ms. Dinne by October 6.

Reference/Attachment(s):

- *Webpage: [EAC Environmental Action Awards](#)*

6. OTHER -

Motions	Action Items	Attachments
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a. Report on Commissioner Briefing re: 2023 Environmental Stewardship Booklet

- On September 14, 2023, Chair Paskoski briefed the Board on the updated Environmental Stewardship booklet, as well as the Invasive Plants & Noxious Weeds public outreach piece. Feedback was positive. The publications will be distributed. The Environmental Stewardship booklet will be sent to the county's State Delegation, as well as our U.S. Congressional representatives.

Reference/Attachment(s):

- *Webpage: Environmental Stewardship in Carroll County; www.carrollcountymd.gov/government/boards-commissions/environmental-advisory-council/environmental-stewardship-in-carroll-county/*
- *Document: Preventing, Managing, & Eradicating Invasive Plants & Noxious Weeds in Carroll County; www.carrollcountymd.gov/media/zpmdq4bd/invasive-plants-noxious-weeds-po-final-2023-jul-12.pdf*

b. Upcoming Public Outreach Events

- 2023 Annual Environmental Symposium: The event will be held at the Ag Center this year from 9:00 AM to 12:00 PM. The same set up for the EAC table will be used. EAC members will sign up for a shift to ensure the full time is covered.

Action Items:

- n/a

7. PUBLIC COMMENTS & CONCERNS –

- None.

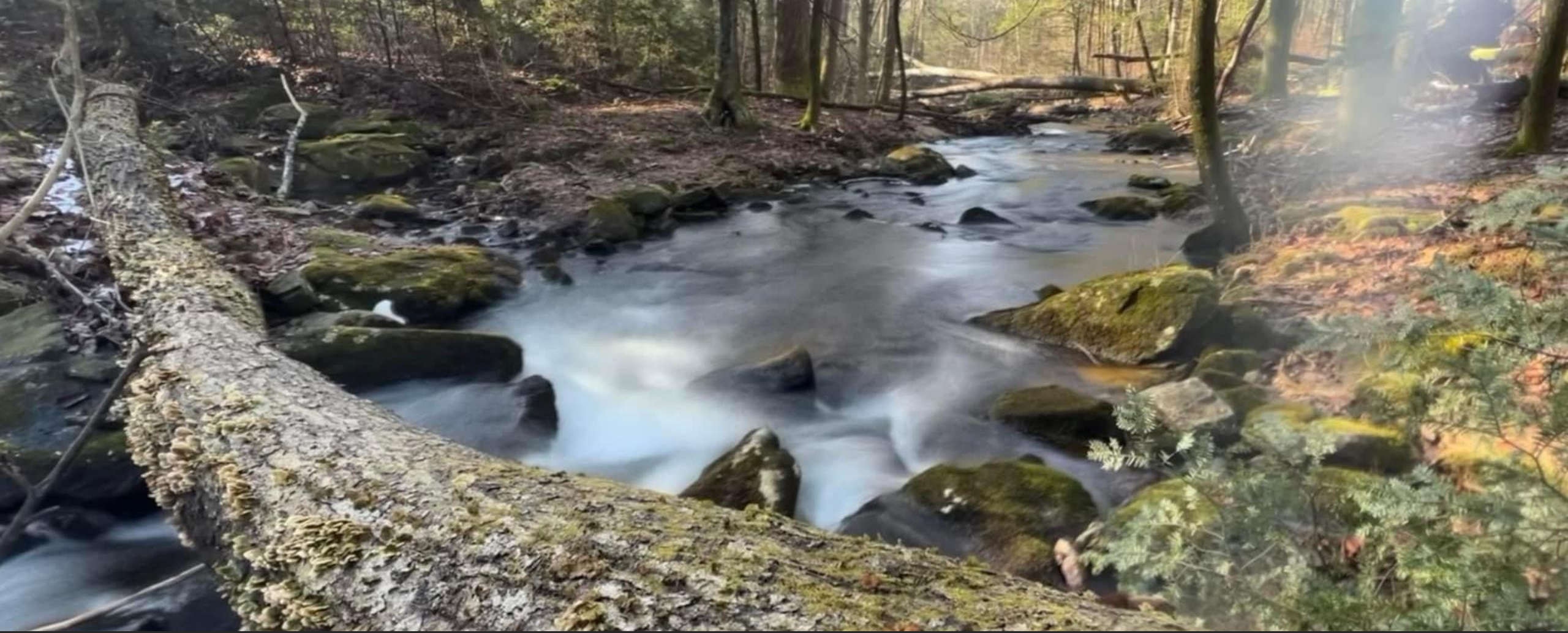
8. ADJOURN REGULAR MEETING –

- The meeting adjourned at 4:40 PM. The next monthly meeting is scheduled for Wednesday, November 15, 2023, at 3:00 PM in Room 204 of the County Office Building.

MEETING ADJOURNMENT – MOTION 455-23: Motion was made by Kathleen Marasco and seconded by Monica Blumberg to adjourn the October 18, 2023, meeting. Motion carried.

Upcoming Meetings:

- ☐ *Regular Monthly Meeting – Wednesday, November 15, 2023 @ 3:00 PM, Room 204, County Office Building*



Healthy Watersheds

BYRON MADIGAN

WATER RESOURCES
SUPERVISOR

CARROLL COUNTY
GOVERNMENT

Hydrologist

Hydrology - The science that encompasses the occurrence, distribution, movement and properties of the waters of the earth and their relationship with the environment.

CHALLENGE:

RESTORING WATERSHED
HEALTH.



Buzzard Rocks – Passage Creek Watershed





Key Staff

Water Resources Engineer

Hydrogeologist

Water Resource Specialist

Water Resource Technician

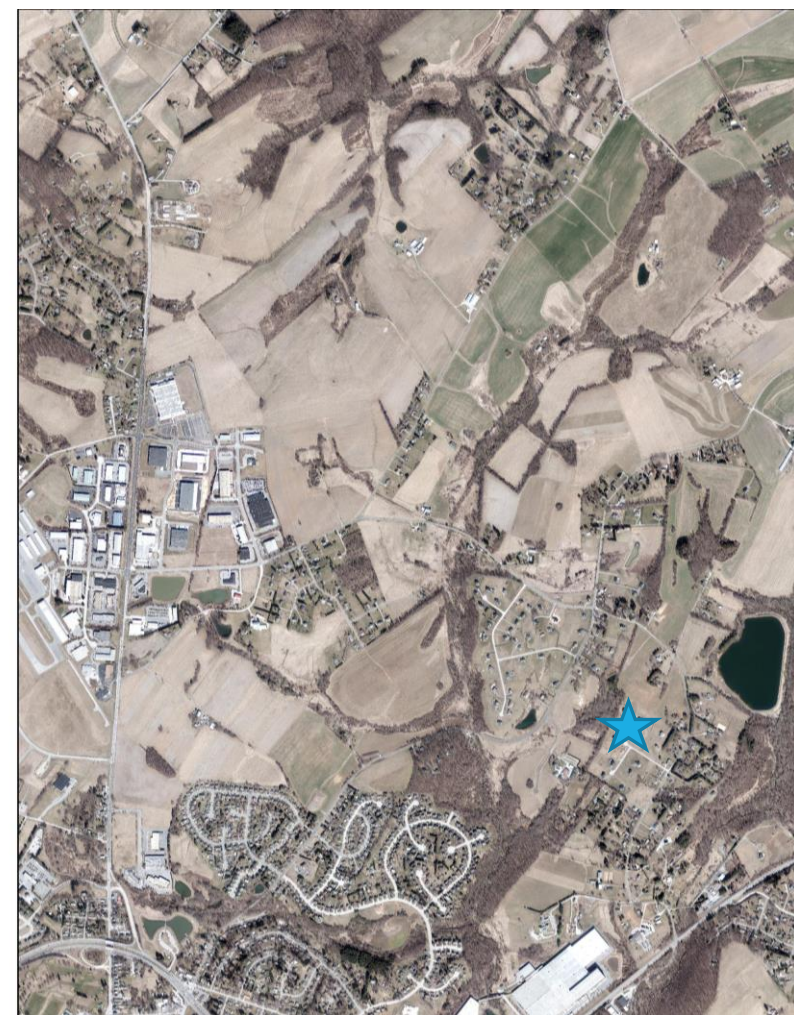
Water Resource Intern



1980



2000

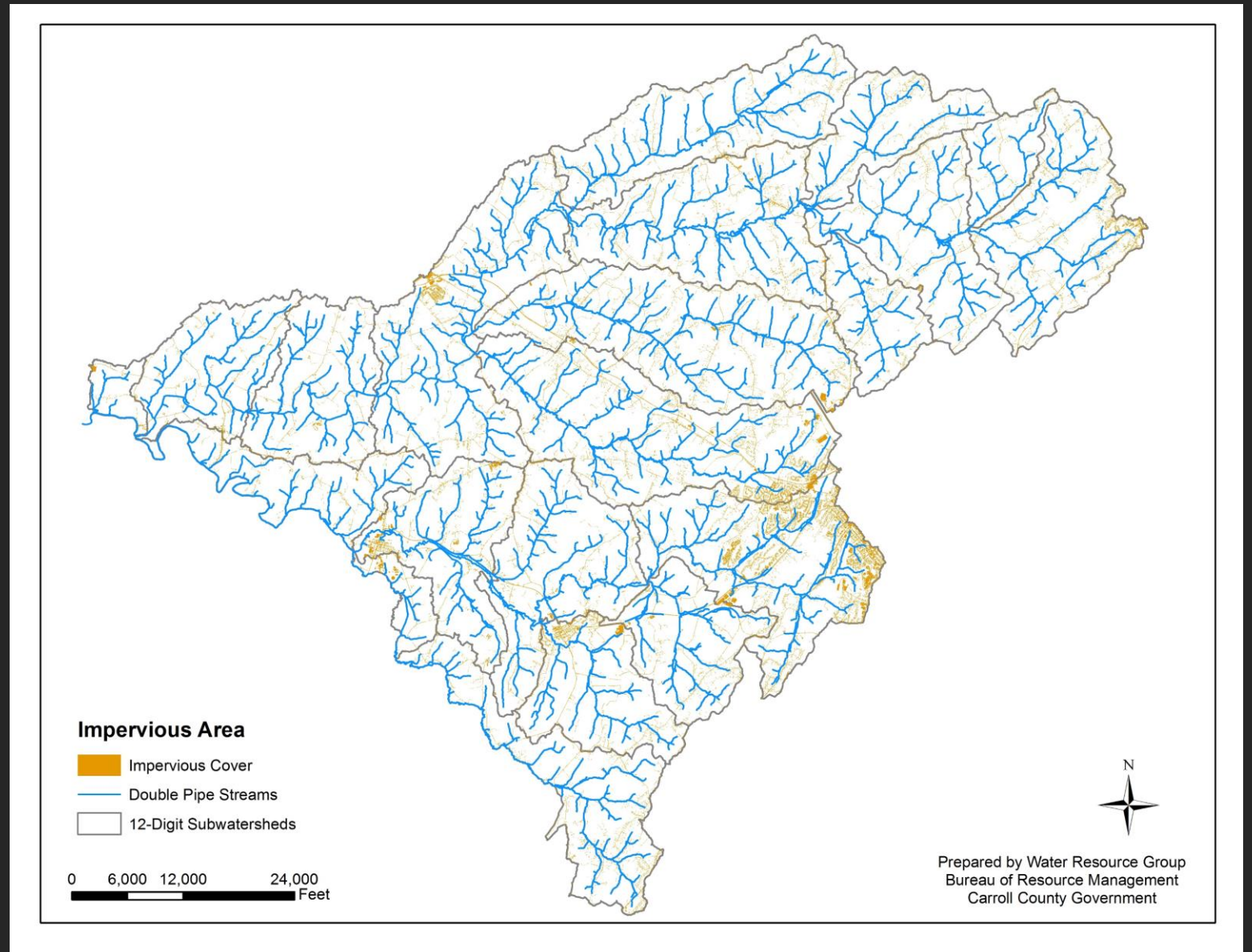


2020

Land Use Change

Impervious Surfaces

- Buildings, Parking Lots and Rooftops
- Roads, Driveways and Sidewalks



Erosion



A photograph of a stream bed in winter. The stream bed is composed of reddish-brown soil and gravel, with a large, weathered log lying across it. Patches of snow are scattered throughout the scene, particularly on the right side and in the foreground. The background shows a dense forest of trees, some with snow on their branches. The overall scene suggests a natural, undisturbed stream environment.

Stream Corridor Assessments



Stream Corridor Assessments



Restoring Watersheds |

An aerial photograph of a residential neighborhood. A central area is highlighted, showing a large, irregularly shaped wetland area with a mix of green grass and brownish soil. This area is surrounded by several houses with dark roofs and green lawns. A paved road curves around the wetland area. In the bottom left corner, the text "Submerged Gravel Wetland" is overlaid in a white serif font, followed by a vertical line.

Submerged Gravel Wetland



Submerged Gravel Wetland





Sep 9, 2021 at 12:06:26 PM
911 Meadowgreen Dr
Mount Airy MD 21771
United States

Submerged Gravel Wetland

Northern
Leopard
Frog





Stream Restoration



Willow Project – Stream Restoration



Willow Project – Stream Restoration



Willow Project Stream Restoration (Before)



Willow Project Stream
Restoration (After)



Mayberry Project
Stream Restoration



Mayberry Project – Stream Restoration



Mayberry Project – Stream Restoration



Mayberry Project – Stream Restoration



Mayberry Project – Stream Restoration





Tree Plantings

Stream Shading or Cooling

Flood Control

Streambank Stabilization

Nutrient Uptake

Wildlife Corridors and Food Source





Water Quality Monitoring



Water Quality Monitoring Parameters

Chemical Monitoring

- Nutrients/Pollutants in Stream
- Chloride (salt), Nitrogen, Phosphorus, Sediment, Bacteria

Geomorphological Monitoring

- Stream Movement
- Measures Erosion

Biological Monitoring

- Living Stream Life
- Macro-invertebrates and Fish

Chemical Monitoring



Chemical Monitoring

Collect Water Sample

- Nitrogen, Phosphorus, Sediment

Physical Measurements

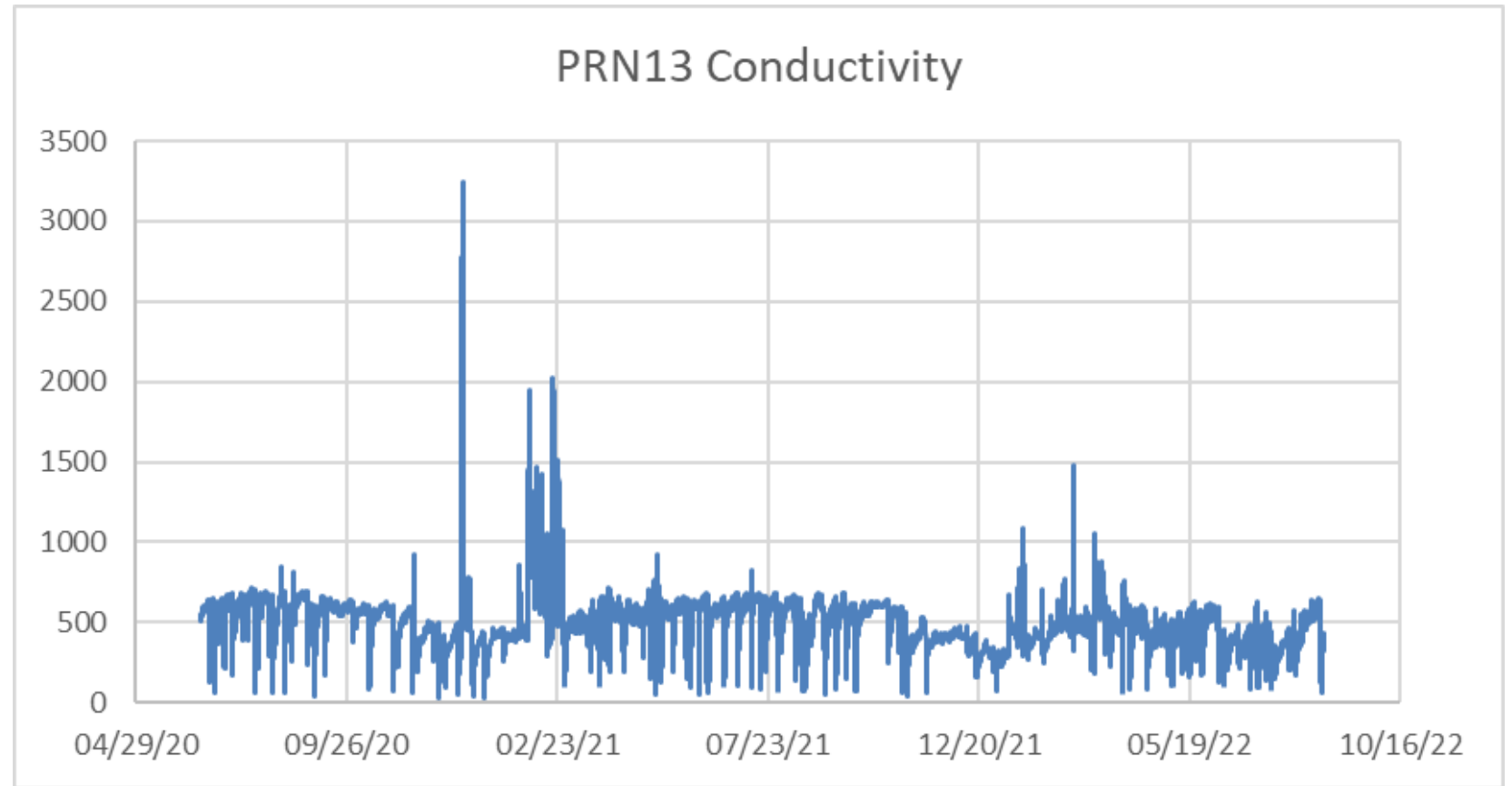
- pH (6.5-8.5)
- Dissolved Oxygen (>5.5 mg/L)
- Temperature (<68F Brook Trout)

Measure Stream Flow



Chemical Monitoring





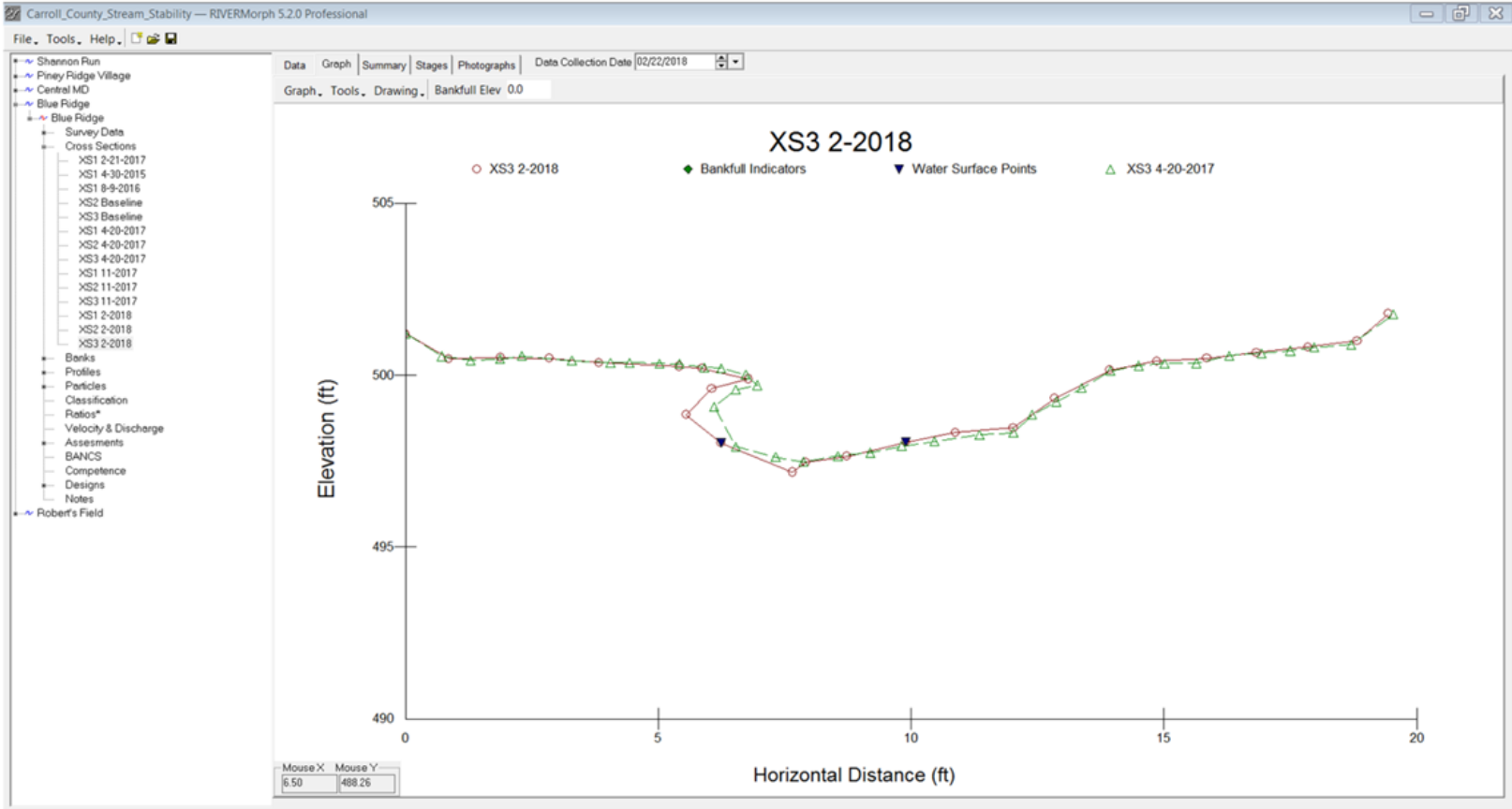
Stream Conductivity (Salt)



Geomorphology Monitoring



Measuring Erosion-Elevation Surveys



Measuring Erosion



Biological Monitoring |



Caddisflies



Stonefly



Stream Sampler

Macro-Invertebrates



Macro-Invertebrates



Summer Fish Sampling

Summer Fish - Streams





Summer Fish – Streams



Summer Fish - Reservoir



Summer Fish - Reservoir



Source Water Protection

PINEY RUN



Source Water Protection – Piney Run

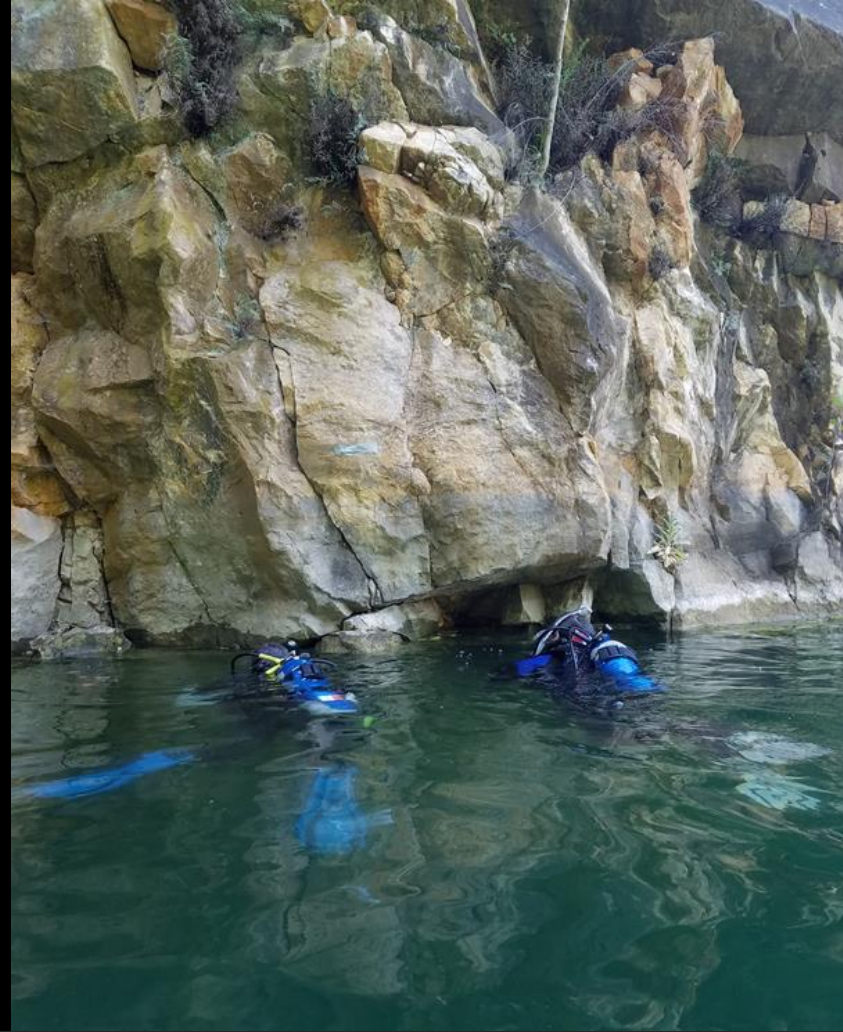


Source Water Protection

HYDE'S QUARRY

Invasive Species – Zebra & Quagga Mussels





Pool Party



Goodbye Invasives!!



Success!!



Grant Funded Research and Innovative Monitoring

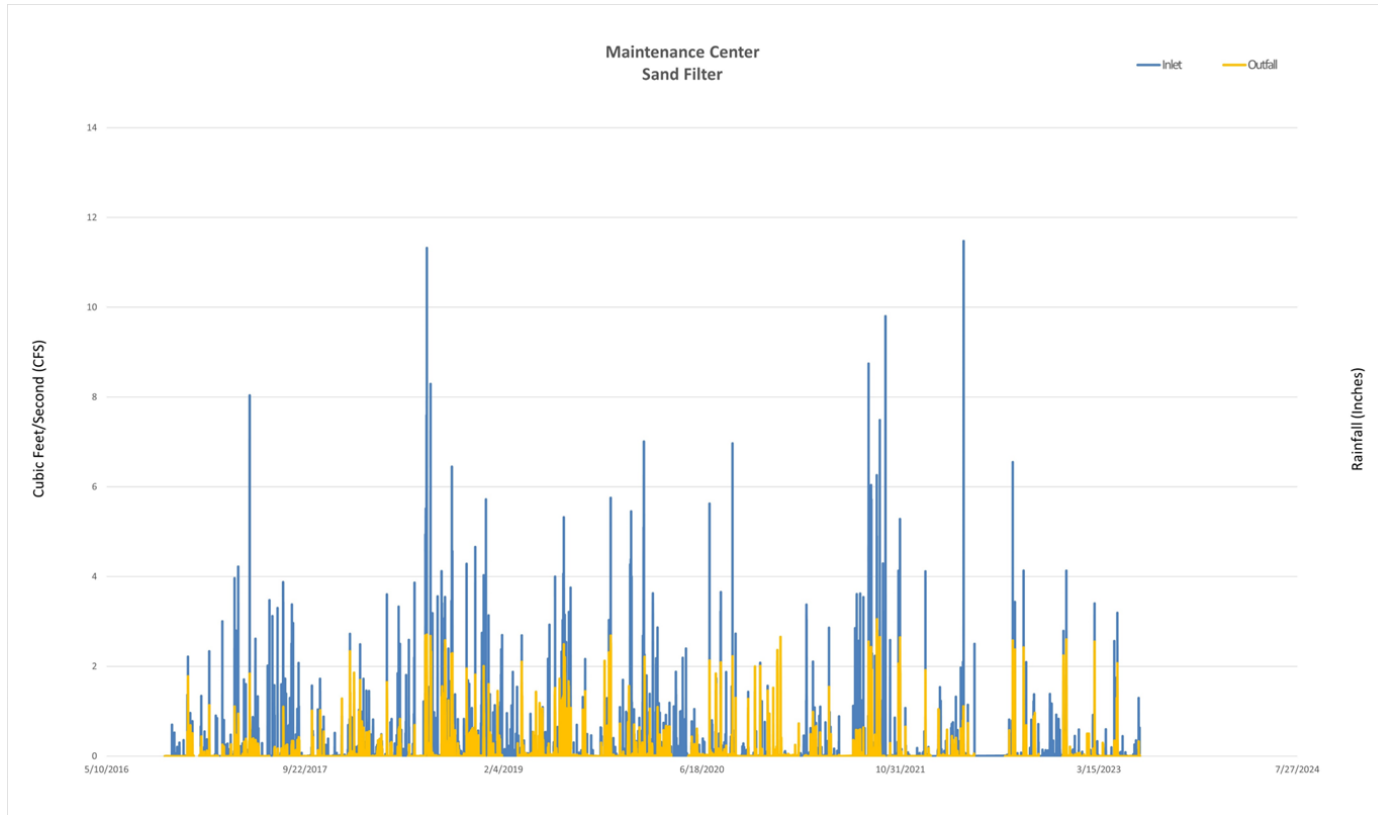
Research Grants and Internal Studies

- Chesapeake Bay Trust Restoration Research
 - Self-Recovery of Urban Streams in Headwater Watersheds
- National Fish and Wildlife Foundation – Innovative Nutrient Sediment Reduction
 - Total Phosphorus mass removal using performance enhancing filter media
- Gravel Lens Thermal Study

Chesapeake Bay Trust Restoration Research



2016



2023



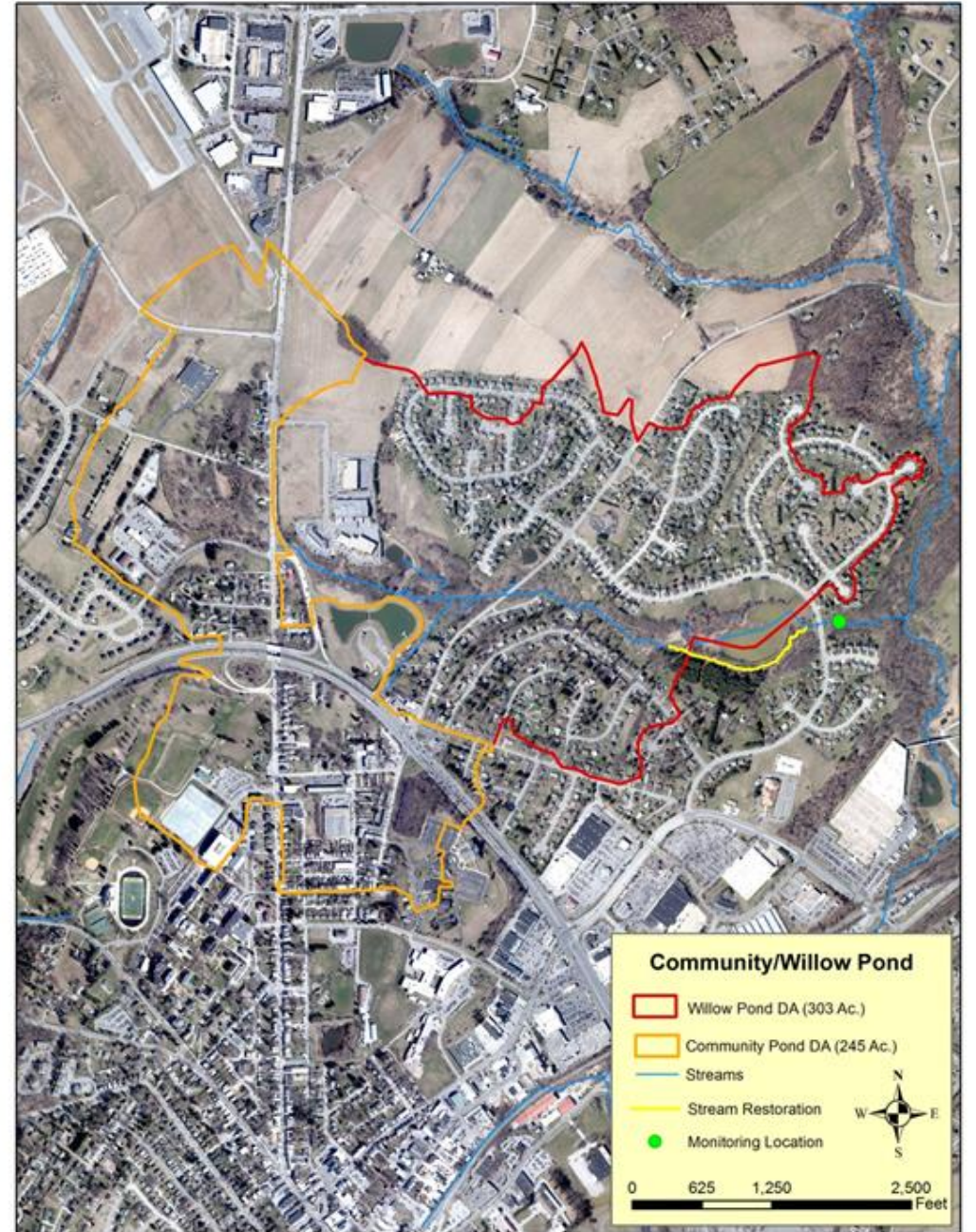
National Fish and Wildlife Foundation – Innovative Nutrient Sediment Reduction

Legend

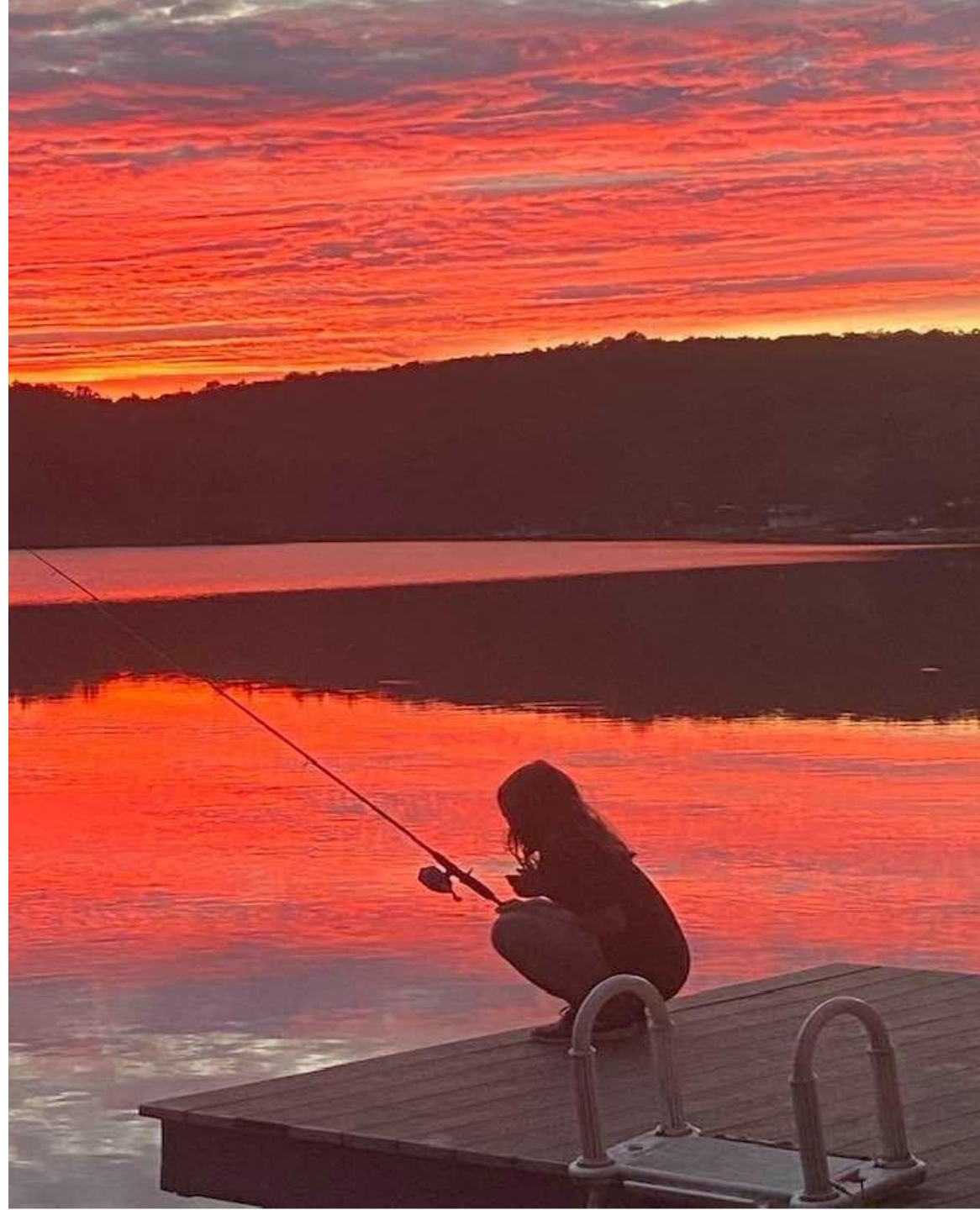
Gravel Lens Thermal Study

- Control Vs. Treatment
- Bottom withdraw Vs. Gravel substrate ("gravel lens")
- Thermal Response?
- 2-year design storm

2007 Aerial Photo



Thank You!





Carroll County Environmental Advisory Council

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Westminster, MD 21157-5194
Telephone: 410-386-2140

Craig Paskoski, Chair
Curtis Barrett, Vice Chair

CarrollCountyMD.gov/EAC ♦ EAC@CarrollCountyMD.gov

*Brenda Dinne,
Staff Liaison/Secretary
Department of Planning
& Land Management*

Meeting Summary for November 15, 2023

Members

- Curtis Barrett
- Monica Blumberg
- Craig Connell
- Neal Goldberg
- Kathleen Marasco
- Charlene Norris
- Craig Paskoski
- Tom Scanlan
- Tamara Strobel

County Government

- Brenda Dinne, Special Projects Coordinator/ EAC Staff Liaison/Secretary
- Denise Mathias, EAC Admin Support

Guest Speaker(s)

▪

Other Attendees

▪

1. CALL TO ORDER –

- Mr. Paskoski, Chair, officially called the November 15, 2023, meeting of the Environmental Advisory Council (EAC) to order at 6:35 PM via GoToMeeting.

2. APPROVAL OF MEETING MINUTES –

a. October 18, 2023

Discussion/Decision:

- Approval of the October minutes was discussed. No revisions were made.

APPROVAL OF MINUTES – Motion 456-23: Motion was made by Charlene Norris and seconded by Tom Scanlan to approve the October 18, 2023, meeting minutes as amended. Motion carried.

Reference/Attachment(s):

- www.carrollcountymd.gov/government/boards-commissions/environmental-advisory-council/meetings/

3. STAFF LIAISON REPORT –

Discussion/Decision:

- There will be no December meeting. The next meeting will be held on Wednesday, January 17, 2024, at 3:00 PM in Room 204 of the County Office Building. Cliff Engle, Chief of Solid Waste, will provide an update on the Solid Waste Mater Plan. The 2024 Proposed Work Plan will be on the agenda for approval.
- Terms will be expiring on January 31, 2024, for Charlene Norris and Tamara Strobel. Ms. Dinne will notify the Commissioners' office.
- Ms. Dinne will request the afternoon of Thursday, January 25, 2024, for the annual joint meeting with the Board of County Commissioners.

4. NEW BUSINESS -

a. None

Discussion:

-

Action Items:

- n/a

Reference/Attachment(s):

- N/A

5. BUSINESS IN PROGRESS -

a. 2024 Work Plan - Discussion

Discussion:

- Proposed projects in the draft included a public outreach piece on reducing food waste and an outreach piece to help build a rapport with local scout troops and support their initiatives that demonstrate environmental best management practices (BMPs) and assist with projects that help meet the mission of the Department of Planning & Land Management (PLM) and its NPDES MS4 permit.
- Mr. Paskoski proposed adding an outreach piece related to water conservation since the county is currently under a drought warning status. Ms. Dinne will check first to ensure PLM staff haven't already developed something similar. If not, it will be added to the draft.
- The revised draft will be on the January 17, 2024, agenda for review and approval.

Action Items:

- Ms. Dinne • Add water conservation outreach piece.

Reference/Attachment(s):

- N/A

b. 2023 Annual Report - Discussion

Discussion:

- The draft report was reviewed and discussed. A few changes are to be made:
 - Add the Master Gardeners' 2023 Earth Day event under the Public Education section.
 - Under the Public Education section, change "first" annual Environmental Symposium to "second" annual.

APPROVAL OF MINUTES - Motion 457-23: Motion was made by Tom Scanlan and seconded by Neal Goldberg to approve the 2023 Annual Report as amended with changes discussed. Motion carried.

Action Items:

- Ms. Dinne • Revised and finalize document; prepare copies for annual joint meeting with Board of County Commissioners.

Reference/Attachment(s):

- N/A

Motions	Action Items	Attachments
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c. 2023 Environmental Action Awards - Discussion

Discussion:

- The EAC members discussed the positives and potential improvements to the 2023 awards process.
- Integrating the awards presentation to the Environmental Symposium worked well in terms of attendance and raising the level of awareness of environmental stewardship in the community.
- A sponsorship agreement will be developed for the next awards cycle to assist in communication and commitments between those local companies that are sponsoring/donating an award and the EAC/PLM.
- Increased communication with the press may be needed to ensure these awards are covered in addition to the recycled art awards.

Action Items:

-
-

Reference/Attachment(s):

- N/A

d. 2023 Environmental Symposium - Discussion

Discussion:

- The EAC participated in the 2023 Environmental Symposium as exhibitors and to present the 2023 Environmental Action Awards. Positives and potential improvements were discussed.
- Suggestions to consider for the future included:
 - offering a short bird-watching tour,
 - including a demo by McDaniel students, possibly related to the Environmental Center,
 - increasing the number of demonstrations,
 - incorporating scout troops via demos or exhibits,
 - integrating more kid-friendly activities,
 - combining the event with other activities, such as trainings offered by other groups, and
 - pushing the date into November to minimize sports and weather conflicts.

Action Items:

-
-

Reference/Attachment(s):

- N/A

6. OTHER -

a. Upcoming Public Outreach Events

- None at this time. Most volunteer opportunities are offered in the spring or fall.

Action Items:

- n/a

7. PUBLIC COMMENTS & CONCERNS -

- None.

8. ADJOURN REGULAR MEETING -

- The meeting adjourned at 7:21 PM. The next monthly meeting is scheduled for Wednesday, January 17, 2024, at 3:00 PM in Room 204 of the County Office Building.

MEETING ADJOURNMENT - MOTION 458-23: Motion was made by Tamara Strobel and seconded by Tom Scanlan to adjourn the November 15, 2023, meeting. Motion carried.

Upcoming Meetings:

- Regular Monthly Meeting - Wednesday, January 17, 2024 @ 3:00 PM, Room 204, County Office Building