Carroll County Water Resource Coordination Council

Hampstead * Manchester * Mt. Airy * New Windsor
Carroll County Health Department

* Sykesville * Taneytown * Union Bridge * Westminster
Carroll County Government

WRCC Meeting Summary

February 26, 2025

Attendees:

Municipalities:
☒Kevin Hann, Chair, Hampstead
☒Jim Wieprecht, Vice Chair, Taneytown
☐Zac Amoss, Westminster
☐Gary Dye, New Windsor
☒Delbert Green, Manchester
☐Greg Howell, Westminster
☐Mayor Perry Jones, Union Bridge
☒Rodney Kuhns, Manchester
☒Matt Leister, Manchester
☐Mark Mellendick, Westminster
☒Steve Miller, Manchester
☐Mike Rawlings, Westminster
☐Jim Roark, Hampstead
☒Kevin Rubenstein, Sykesville
☐Kevin Smeak, Taneytown
☐Vance Summerhill, Westminster
☒Dick Swanson, Mount Airy

CC PLM:
☒Brenda Dinne
☒Glenn Edwards
☒Tiffany Fossett
☒Andrew Gray
☒Chris Heyn, PLM Director
☒Claire Hirt
☒Byron Madigan
☒Mitch Masser
☒Denise Mathias
☐Zach Neal
☐Janet O'Meara

Health Department:
☐Richard Brace
☒Nicole Bowman

CCG Others:
☐Andy Watcher, CC DPW
☐Bryan Bokey, CC DPW
☐Hanley Allen, CC M&B

Guest Speakers:
☒Dan Barrie, NOAA (via Teams)

1. Opening Statement

Chair

Mr. Hann opened the meeting at 2:30 pm. He thanked Steve Miller for filling in for him at the January meeting.

Vice Chair

Nothing additional.

2. Approval of Meeting Summary – January 22, 2024

Approval of the January meeting summary was discussed. No changes were made.

APPROVAL OF MINUTES: Motion was made by Dick Swanson and seconded by Rodney Kuhns to approve the January 22, 2024, meeting summary. Motion carried.

3. Climate Change Impacts in Carroll County – Dan Barrie, NOAA

- Mr. Barrie gave an overview of the functions of NOAA, of the various agencies within the US Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), which includes, among others, the National Weather Service, National Marine Fisheries, and Oceanic and Atmospheric Research. He also touched on his responsibilities within the Office of Atmospheric Research where he works.
- Mr. Barrie provided information on climate and climate change and how energy, greenhouse gases, and other factors may affect weather and climate. He shared trends in temperatures and precipitation globally, nationally, and locally.
- Some of the miscellaneous climate change information he noted includes:
  - The long-term trend of carbon dioxide in the atmosphere has increased significantly, and the rate of increase goes up each year as well.
  - Nighttime temperatures are increasing at a greater rate that daytime temperatures.
  - Moving from agricultural-based uses in Carroll County to more urban uses will affect temperature changes.
  - Rain events of greater than two inches have increased from one or more per year in the 1960s to two to three times per year now.
  - The growing season has gotten longer.
  - The annual snowfall has fallen from about 40 inches per year to about 25 inches. This is not necessarily due to a change in meteorological systems, but rather exceeding temperature conditions needed to generate snow.
- NOAA is starting to update ATLAS to ATLAS 15, which provides precipitation frequency information for the U.S.

*Reference/**Attachment:***

- PowerPoint: *Presentation to Carroll County Water Resources Coordination Council*, February 25, 2025

4. Maryland Green Teams – Byron Madigan and Tiffany Fossett

- Mr. Madigan shared purpose, background, and activities regarding the Monocacy Scenic River Advisory Board (MSRAB). He gave an overview of the Monocacy Scenic River Study & Management Plan. The original plan was updated in 2018 and adopted by the Board of County Commissioners.
- Mr. Madigan noted that there are additional opportunities for collaboration with the municipalities and others through the Maryland Green Teams.
- Ms. Fossett followed up by explaining that Maryland Green Teams is a certification program for municipalities in Maryland that want to go green, save money, and take steps to sustain their quality of life over the long term. It is a collaborative effort between the University of Maryland Environmental Finance Center and the Maryland Municipal League.
- She is working with the MSRAB to discuss how to attain the plan goal of identifying incentives and cooperative approaches for stewardship and how to work with Sustainable Maryland to accomplish this.
- Hampstead and Mount Airy have registered with Green Teams and were awarded funds last year at a bronze certification. Sykesville, Taneytown, Union Bridge, and Westminster have also registered. Certification is achieved by completing certain actions. Participation requires a municipality to create a Green Team and develop an action plan.
- The MSRAB goa involves collaboration. The MSRAB could act as a liaison between the County and the municipalities to organize and assist with events and help spread the word.

*Reference/**Attachment:***

- PowerPoint: *Monocacy Scenic River Advisory Board* and *MD Green Teams*

5. Water Resources Element (WRE 2024) Update – Brenda Dinne

- Ms. Dinne went over the revised plan review and adoption process and timeline.
- She mentioned that the initial draft plan was sent to the Technical Team and the WRCC representatives for review on February 10. She asked that feedback from the municipalities, particularly on their own sections, be provided by February 28 in order to stay on track with the review and adoption process timeline.

Reference/Attachment:

- *n/a*

6. Municipal Stormwater Projects Update – Janet O'Meara

- Ms. Hirt provided an update on changes to the status of the municipal stormwater restoration projects.

*Reference/**Attachment:***

- *Municipal Project Status, February 2025*

7. Legislative Update – Brenda Dinne

- Ms. Dinne provided a summary of the water- and/or environment-related bills introduced to date in the Maryland General Assembly that may impact the municipalities or the NPDES MS4 permit work.

*Reference/**Attachment:***

- *WRCC Legislative Update, February 26, 2025*

8. PFAS Discussion

- Mr. Madigan updated the group on the Maryland Water Monitoring Council (MWMC) PFAS Workshop that took place on January 21. Presenters included representatives from EPA, MDE, academia, and the municipal perspective. Toby and Tom from Hampstead presented. Ms. Dinne will send a link to some of the presentations.
- Mr. Hann shared that the Town will be meeting with New Terra, and engineering consultant. The PFAS treatment community will need to get ramped up, as there has not yet been a lot of real-world experience from which to draw.

Reference/Attachment:

- *n/a*

9. Other

- March Meeting: The next meeting will be held on March 26, 2025.
- New Manchester Town Administrator: Mr. Miller introduced Matt Leister, who has taken over the position of Town Administrator. Mr. Leister worked in Frederick County for the past 14 years. Mr. Miller will be retiring a second time in a few weeks.
- ProjectDox (or "PDox"): Mr. Heyn shared that the County is in the process of implementing ProjectDox. PDox will be used to assist in managing the development review process. It allows digital submissions. Comment letters will not need to be sent anymore, as communication between the County agencies and the engineer will be through an online spreadsheet. Collaboration will take place in that environment. This process includes the municipalities, the Health Department, and the Soil Conservation District. Since the jurisdictions around us are already using it, the development community is already familiar with this platform. Staff will reach out to the municipalities to get them involved when it's ready, although there is not yet a timeline available. It will be able to track certain milestones. Accela will not go away.

- Lead and Copper Rule Improvements (LCRI): Ms. Dinne will share an article she recently read regarding the status. Mr. Kuhns indicated that Manchester did hear back from the State when they submitted their inventory. Hampstead did not.
- NPDES Good Housekeeping Plans (GHPs): Mr. Masser stated that the GHP template is currently about two pages. Mr. Edwards is working on scheduling time with each municipality to look at the sites with municipal staff by April. About two to three properties in each municipality will need it.
- Carroll County 2035 Open House: Mr. Gray invited attendees to attend an open house. The next open house is scheduled for February 28 at the North Carroll Branch Library.
- Water & Sewer Master Plan, Spring 2025 Amendments: Mr. Gray noted that there will be one amendment in the Freedom/Sykesville area where two properties are changing Service Areas. Hampstead has an amendment to address PFAS treatment. New Windsor is proposing an update to Tables 15 and 32. Union Bridge is updating several properties as a result of the Town adopting an update to its comprehensive plan. Taneytown has an amendment for a property on Harney Road.
- Salt Management Plans (SMP): Mr. Edwards indicated that four municipalities already have a salt management plan. The permit requires the salt management plans to be completed by June 30, 2025; they will need to be submitted with the fall annual report. He will discuss next steps with municipalities that need them when he meets with them regarding the GHPs.
- First Temperature TMDL in Maryland: Ms. Hirt pointed out that the State released the first temperature TMDL, which was for Gwynns Falls in Baltimore County. County staff reviewed it, and the Maryland Municipal Stormwater Association (MAMSA) also reviewed it. Both provided comments. She anticipates that the Prettyboy watershed may be the next one released. Baltimore County estimated it would cost them $98 million to meet the TMDL.

Reference/Attachment:

- *n/a*

10. Adjournment

The meeting adjourned at 4:13 PM.

MEETING ADJOURNMENT: Motion was made by Dick Swanson and seconded by Jim Wieprecht to adjourn the February 26, 2025, meeting. Motion carried.

Upcoming Meetings:

☐ *Regular Monthly Meeting – Wednesday, March 26, 2025*

Presentation to Carroll County Water Resources Coordination Council

Wednesday, February 26, 2025

Dan Barrie
Program Manager
Modeling, Analysis, Predictions, and Projections Program
Climate Program Office
Office of Atmospheric and Oceanic Research
National Oceanic and Atmospheric Administration
Department of Commerce

National Marine Fisheries Service

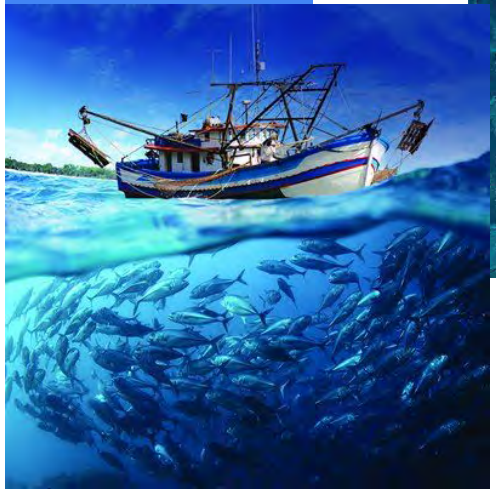
National Ocean Service

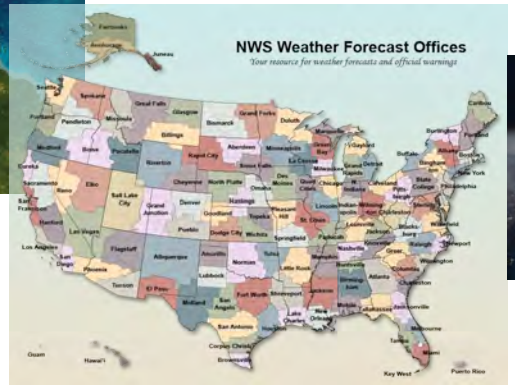
Oceanic and Atmospheric Research

National Weather Service

Office of Marine and Aviation Operations & NOAA Corps

National Environmental Satellite, Data, and Information Service





Laboratories

Oceanic and Atmospheric Research

Cooperative Institutes

OCEAN EXPLORATION

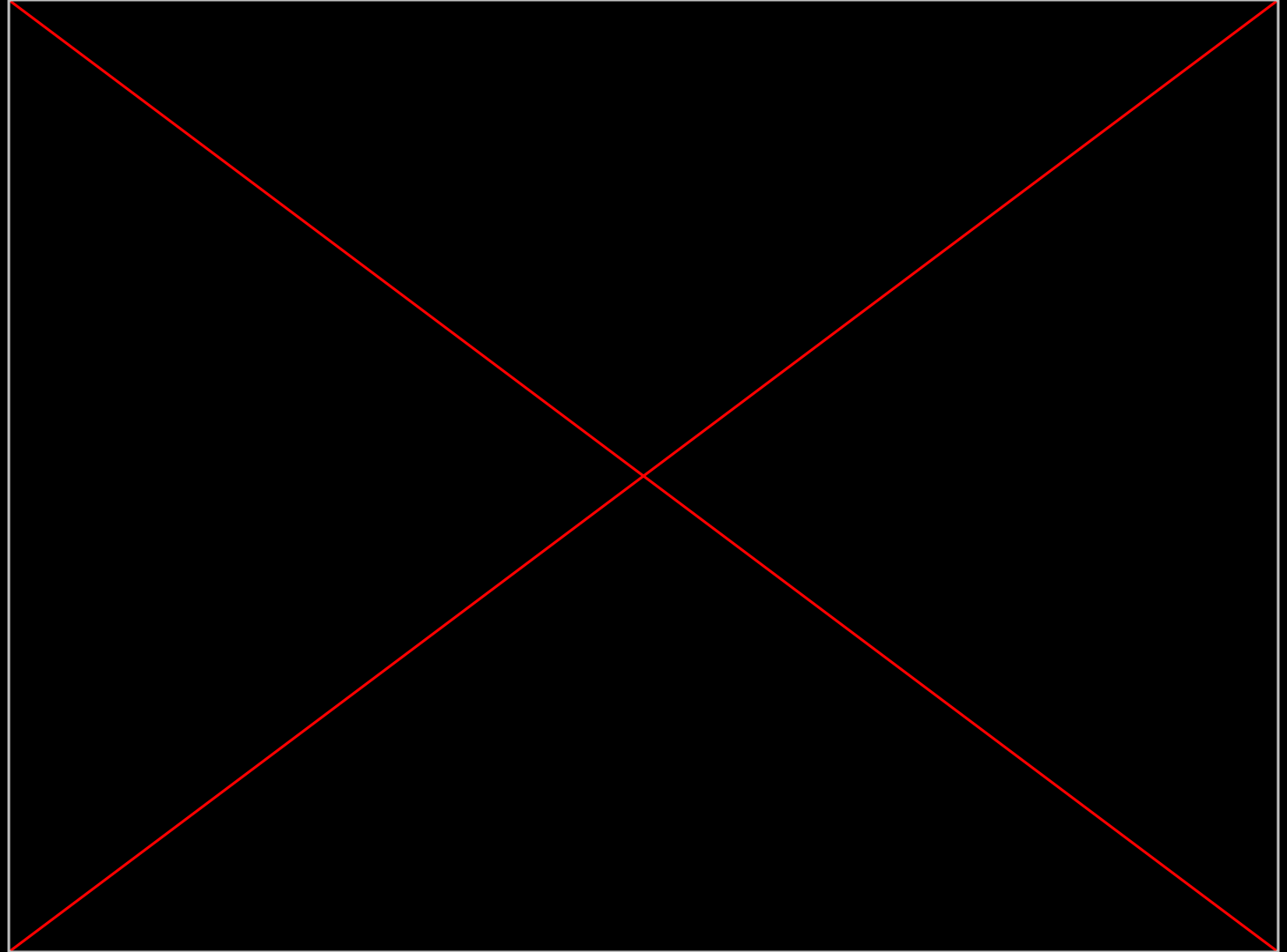
CLIMATE PROGRAM OFFICE

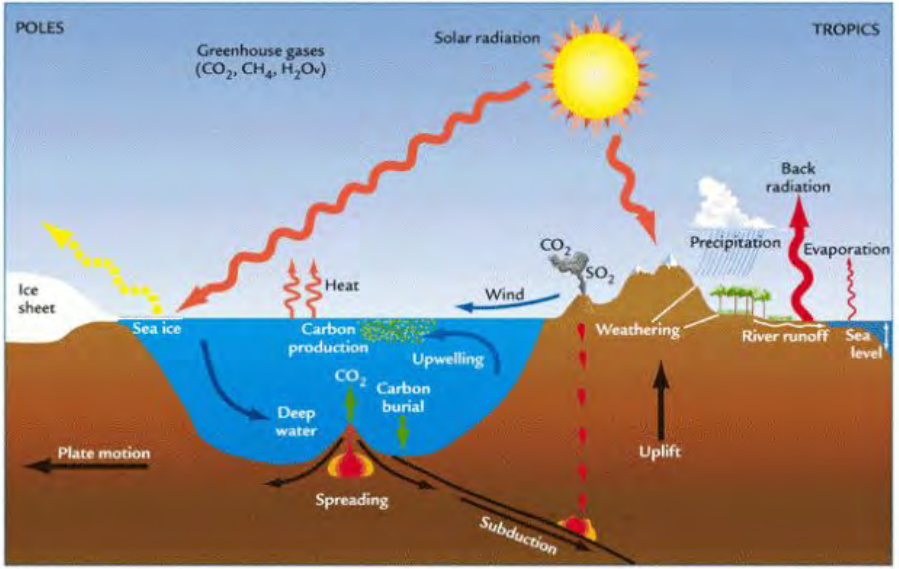
Sea Grant

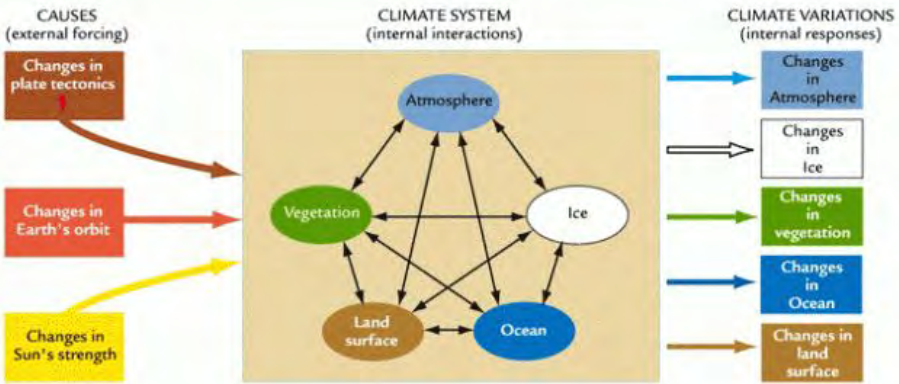
Programs

OAP
NOAA OCEAN ACIDIFICATION PROGRAM

NOAA WEATHER PROGRAM OFFICE



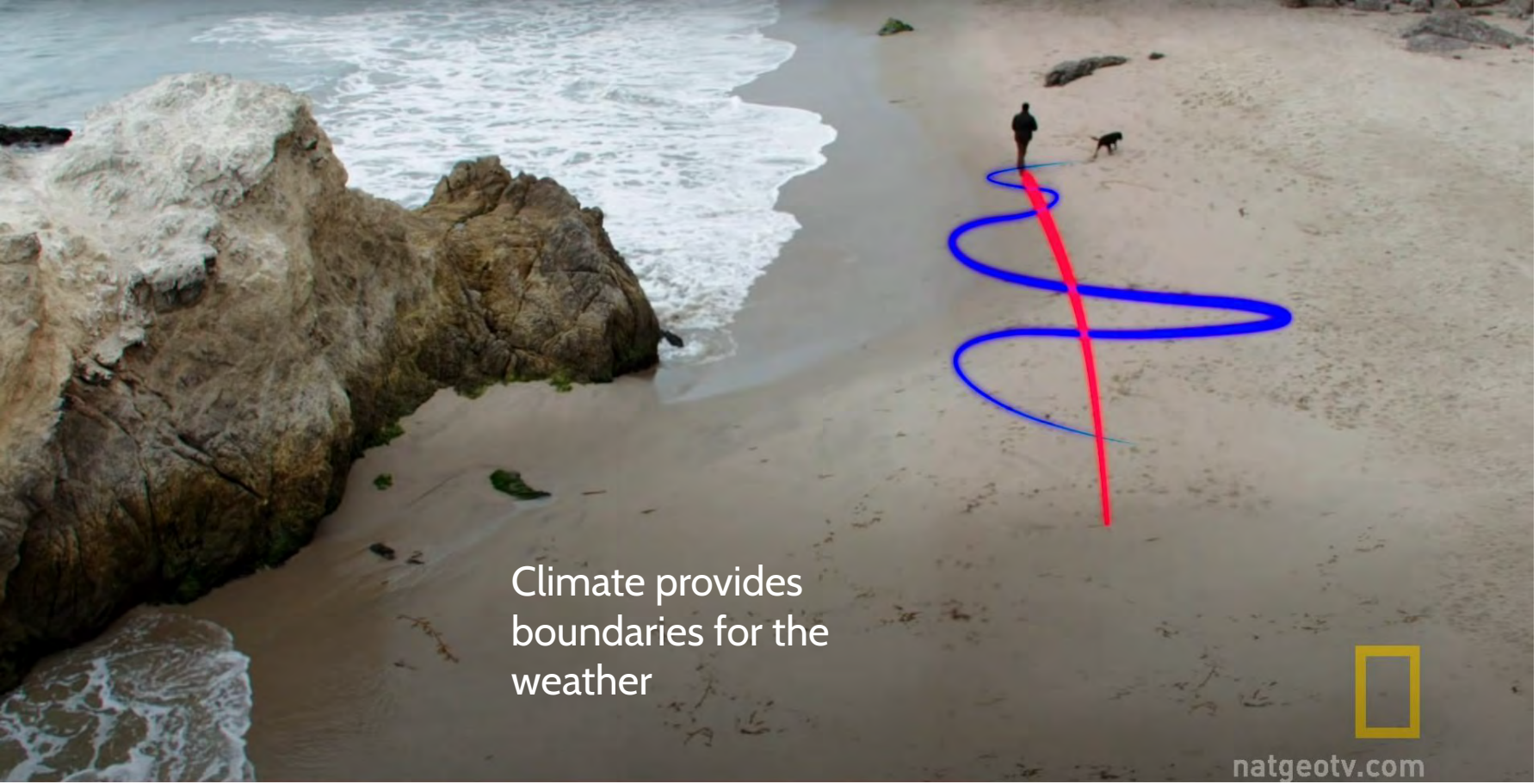




The Climate System:

Interactions between the “fast”-moving systems of the Earth

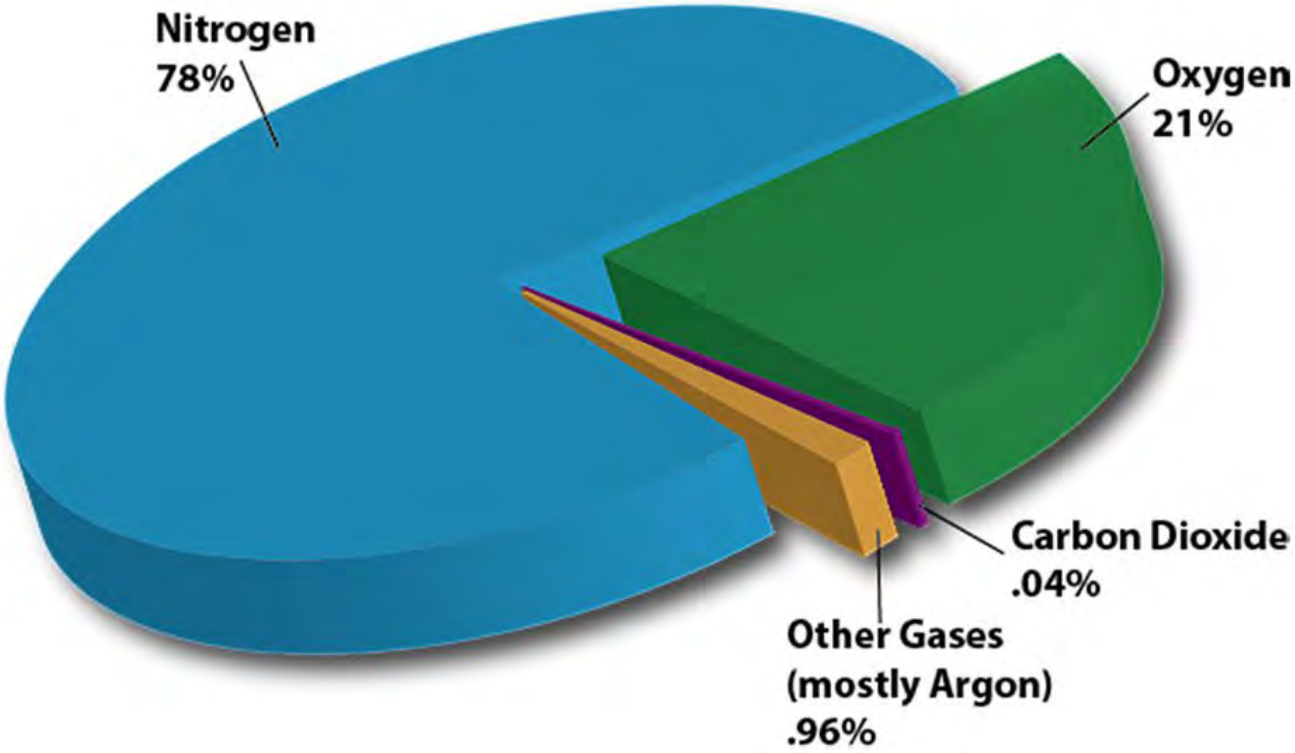
http://www.ncdc.noaa.gov/paleo/ctl/about1a.html



"Keep your eye on the dog walker, not the dog"

https://www.youtube.com/watch?v=cBdxDFpDp_k

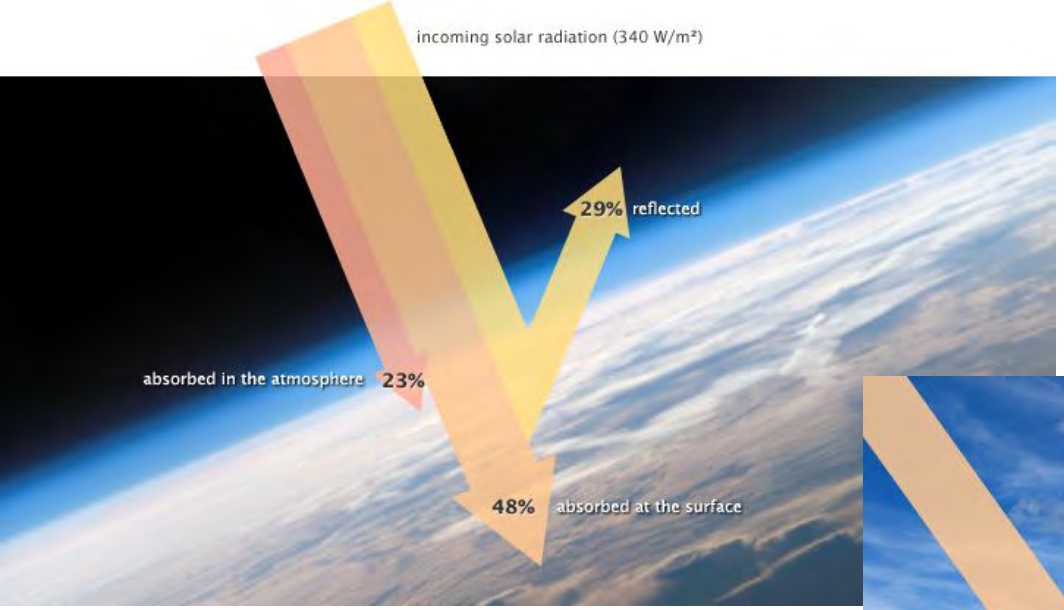
https://www.nasa.gov/multimedia/imagegallery/image_feature_1529.html



A very small portion of the atmosphere is greenhouse gases

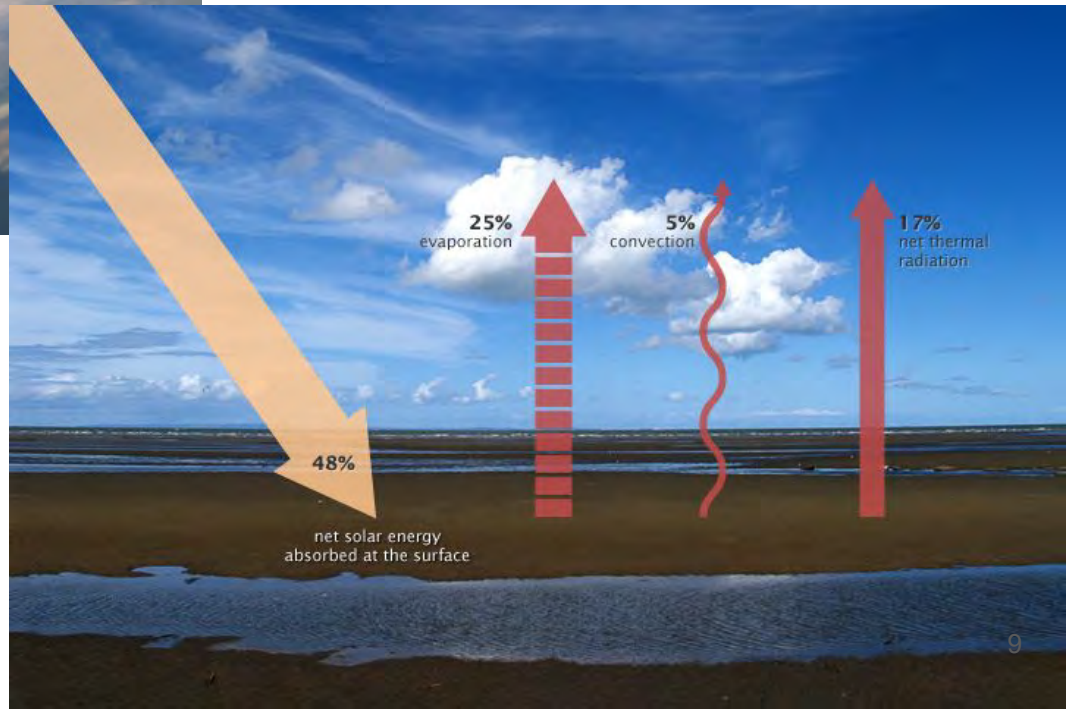
But those gases have a particular affinity for absorbing energy

https://scied.ucar.edu/image/gases-earths-atmosphere



About half of the sun's energy reaches the Earth's surface

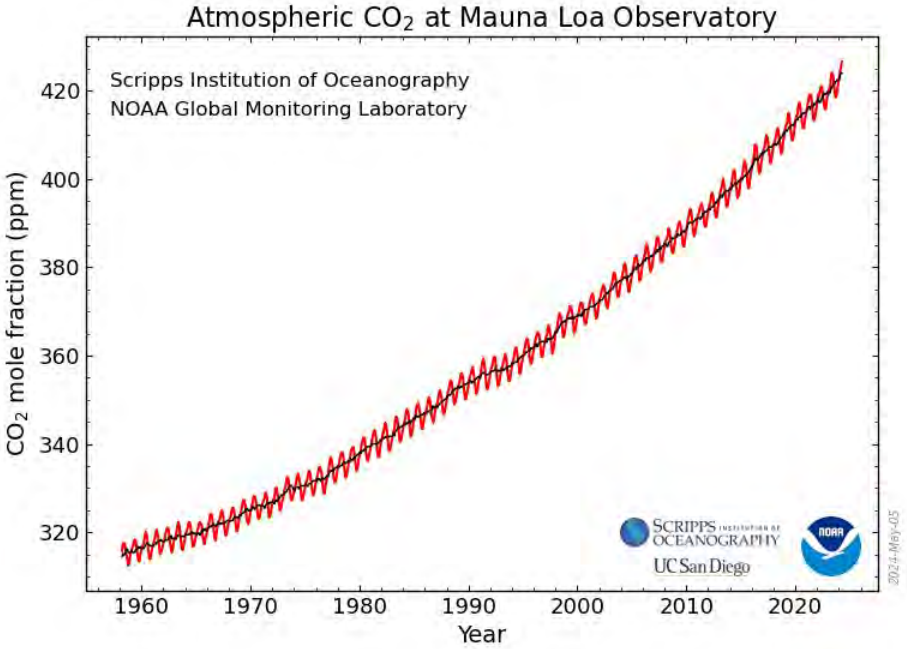
A lot of that energy goes into evaporating water



Some energy is emitted from the surface

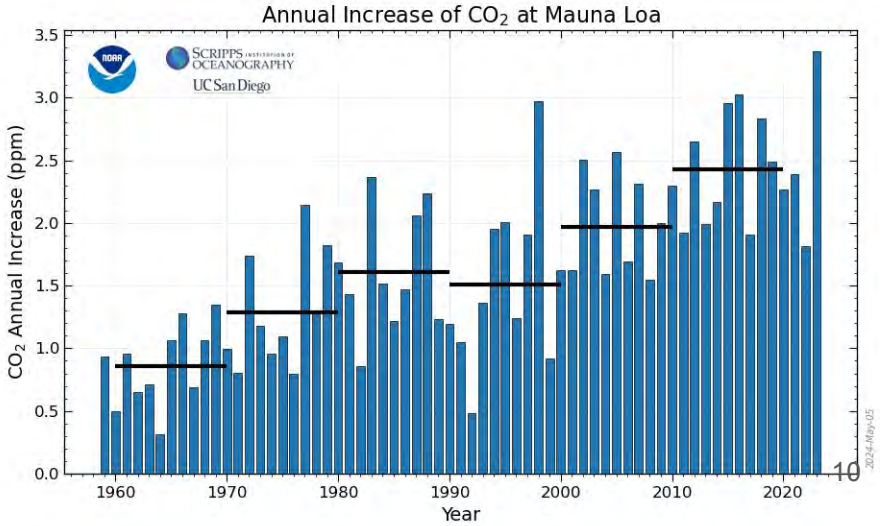
The portion of that energy absorbed by the atmosphere goes into the greenhouse effect

https://earthobservatory.nasa.gov/features/EnergyBalance



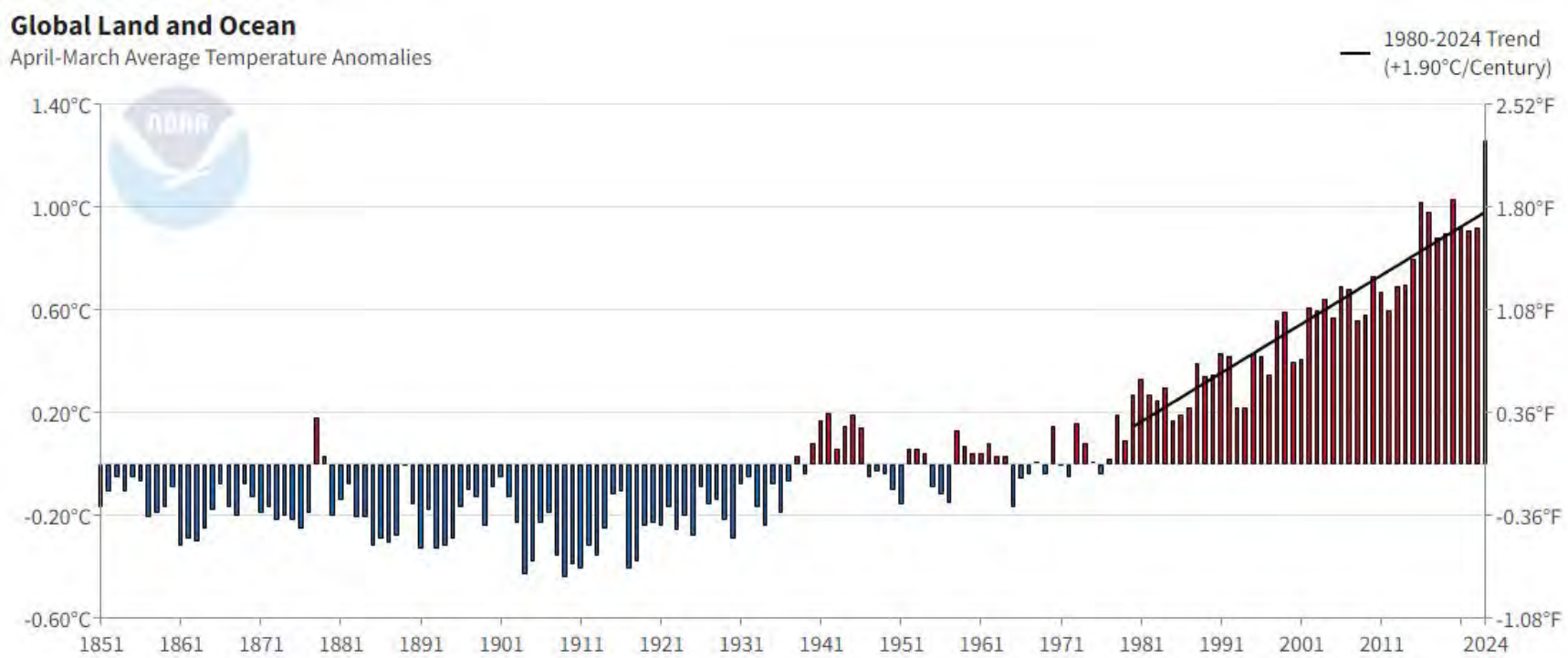
Carbon Dioxide has been increasing since roughly the mid 1800s

The rate of increase since 1980 (~2.01 ppm/year) is nearly four times that of the rate from 1900-1980 (~0.54 ppm/year)



The following figures focus on climate changes since 1980

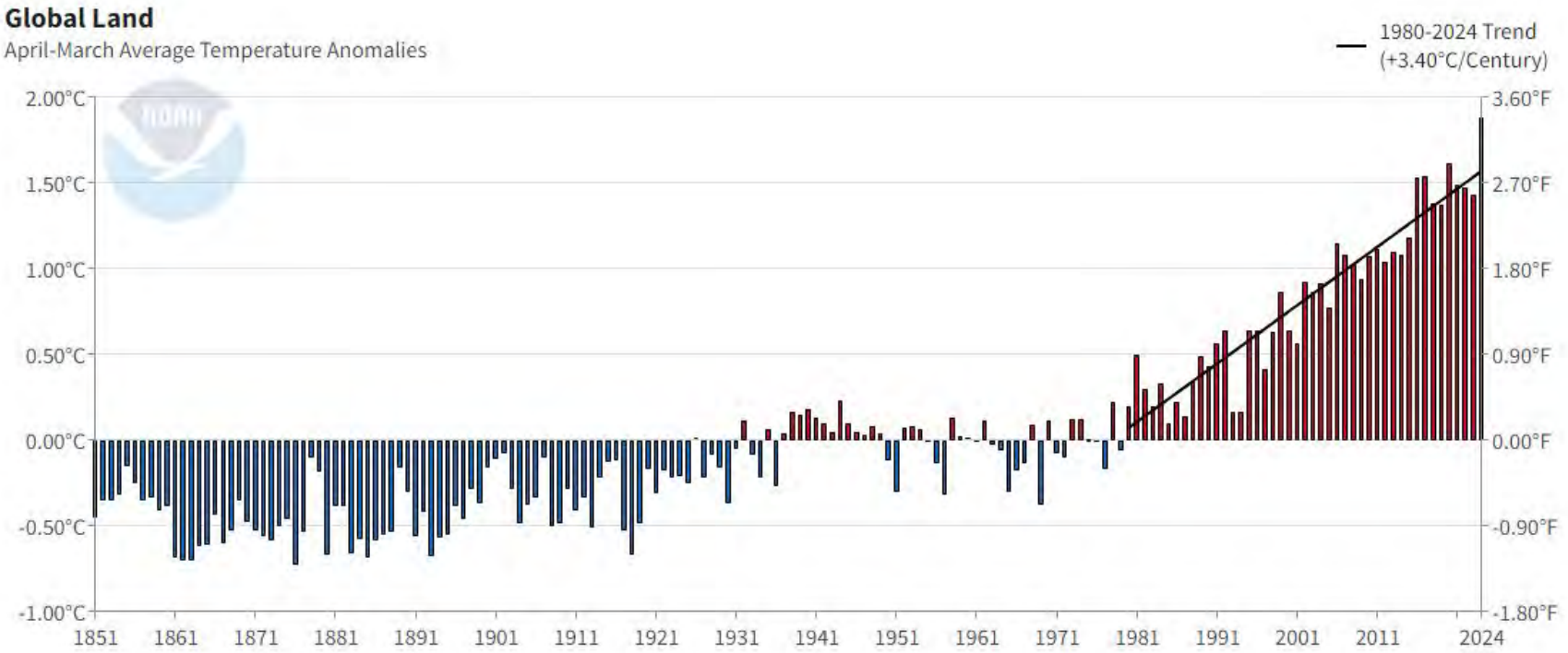
https://gml.noaa.gov/ccgg/trends/gl_trend.html



Global temperatures have increased about 1.2 °c (2.2 °F) over the past century.

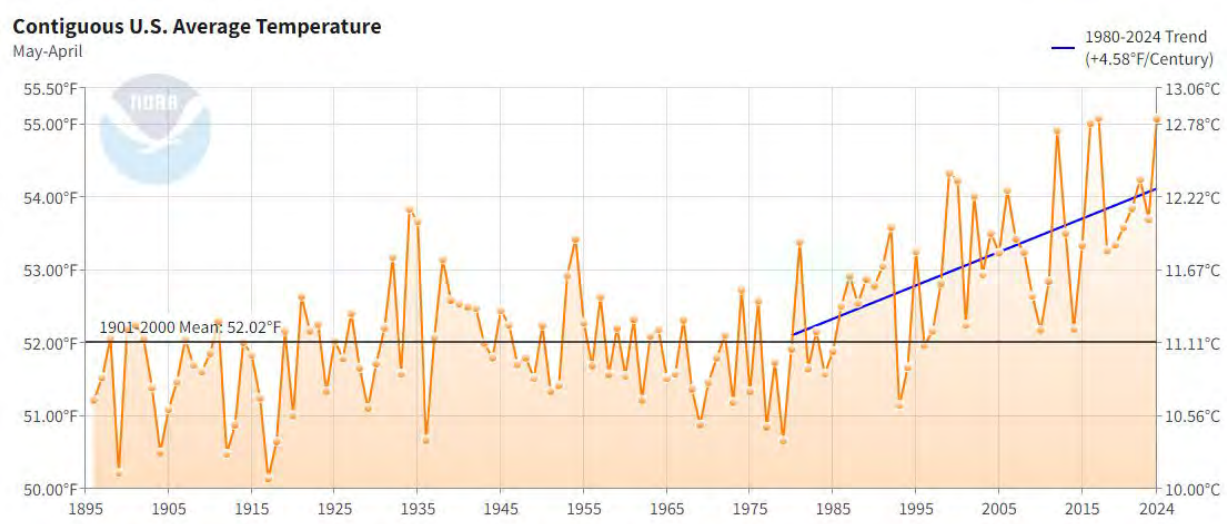
The rate of change since 1980 is closer to 1.9 °c (3.4 °F) per century.

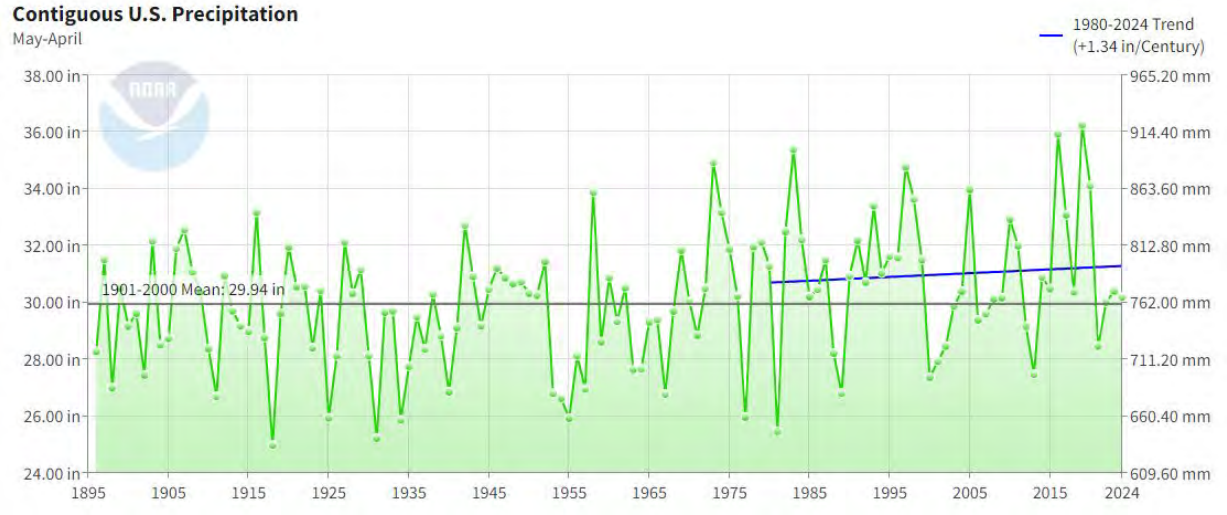
https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/



The rate at which temperatures are changing over land (3.4 °c or 6.1 °F per century) is much higher than the global rate including oceans (1.9°c/3.4°F)

https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/

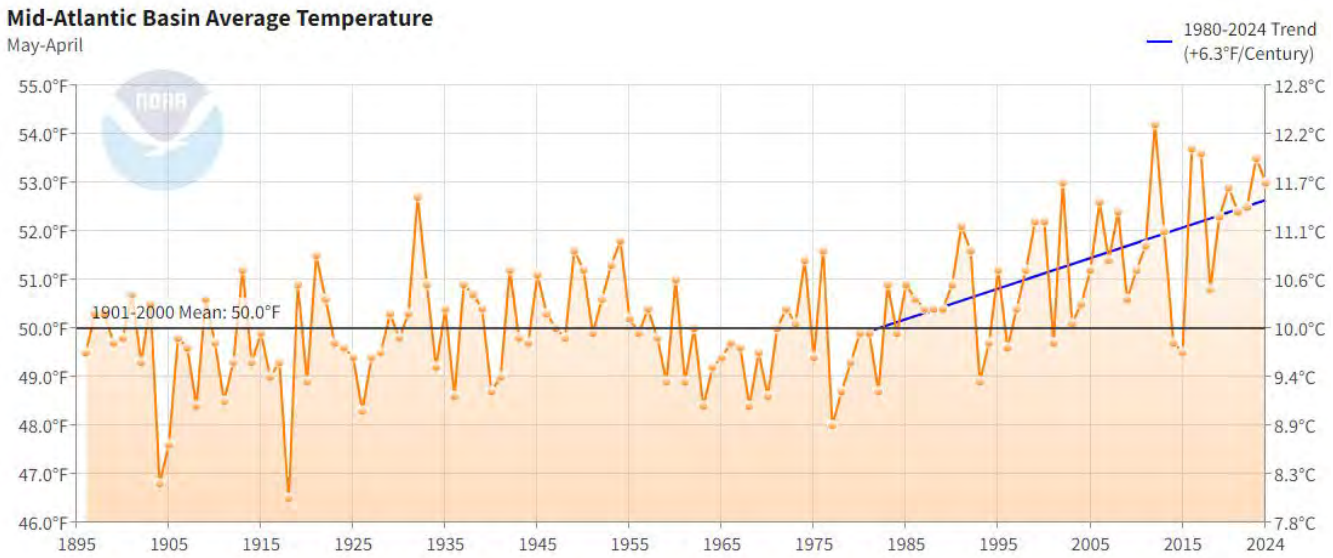




The rate of change (~4.6° F/century) in the Contiguous US is a bit lower than the rate of change over the global land surface.

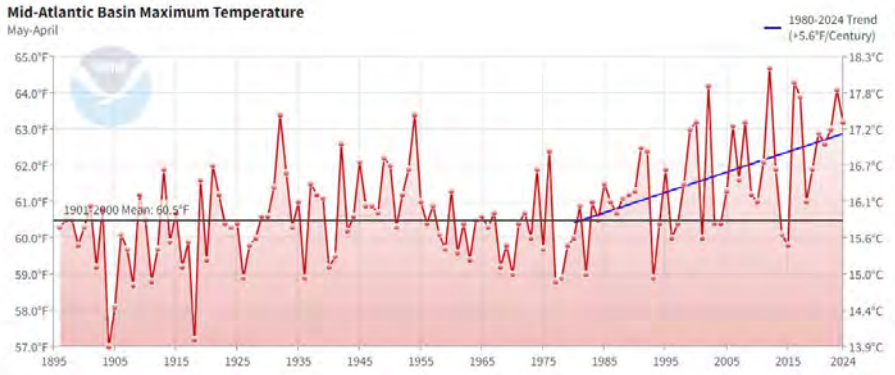
Precipitation has increased a marginal amount over the Contiguous US

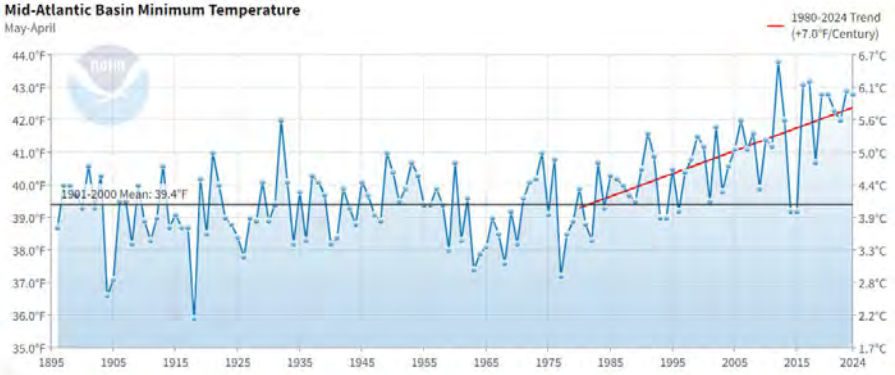
https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/



In the Mid-Atlantic, the rate of temperature increase is closer to the global temperature increase.

Minimum daily temperatures have increased faster than Maximum daily temperatures





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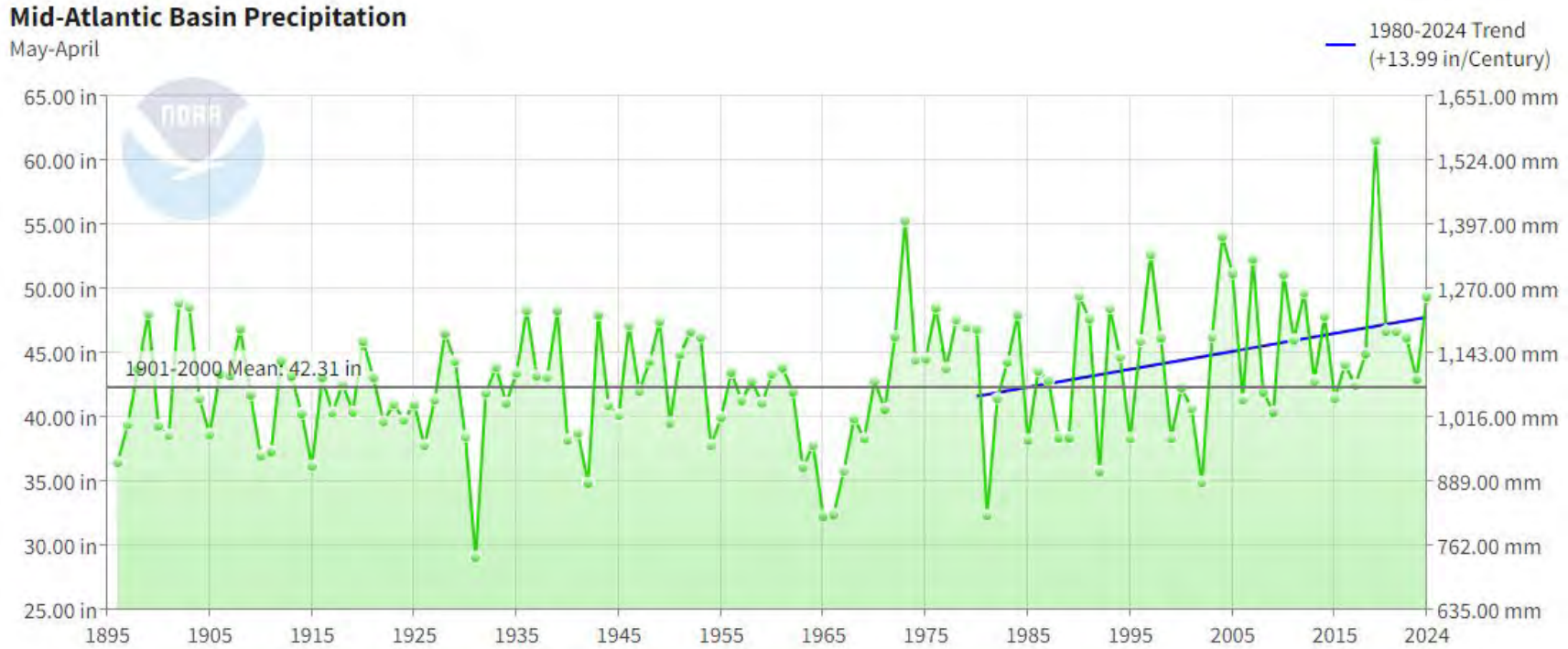
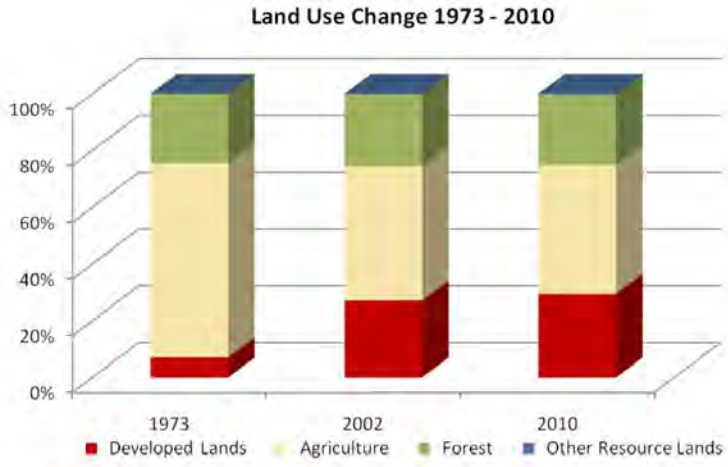


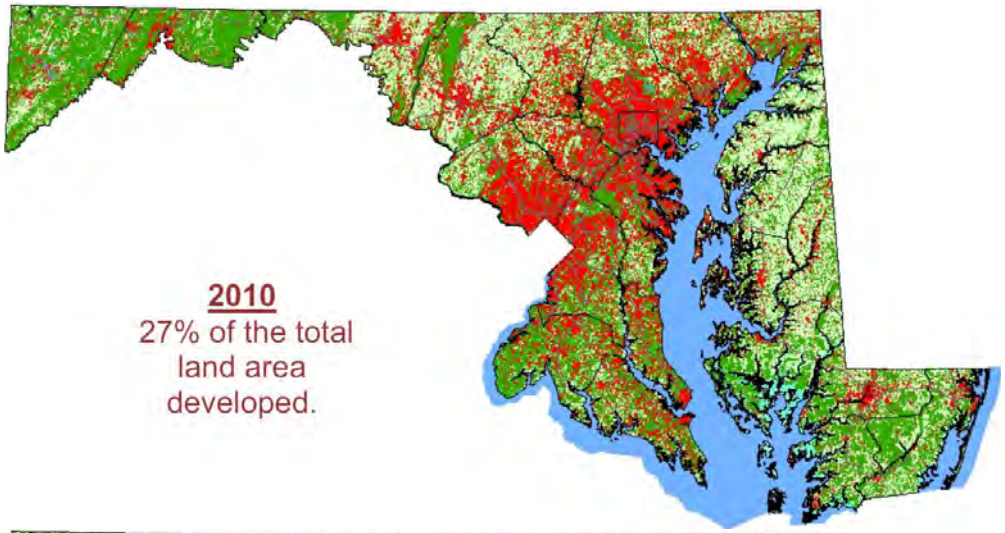
Annual total precipitation has generally increased in the Mid-Atlantic region

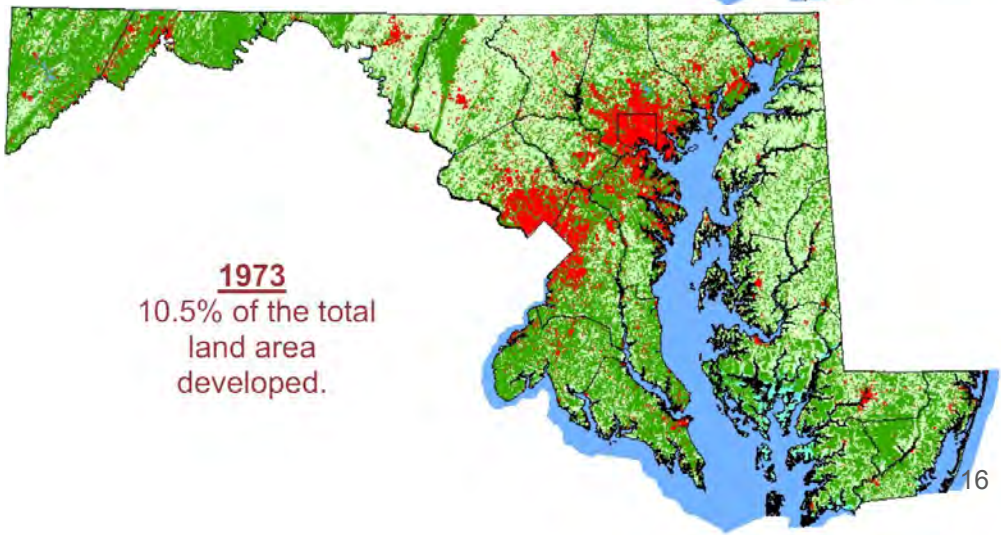
https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/

Carroll County Population:

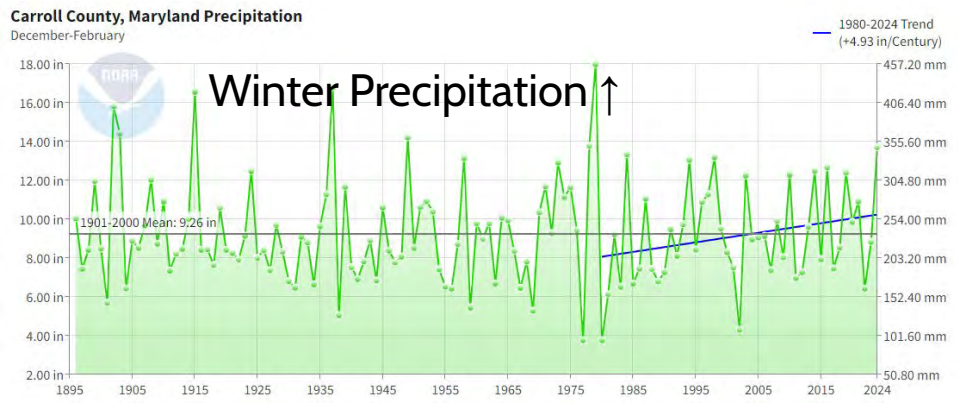
1970	69,006	30.7%
1980	96,356	39.6%
1990	123,372	28.0%
2000	150,897	22.3%
2010	167,134	10.8%
2020	172,891	3.4%

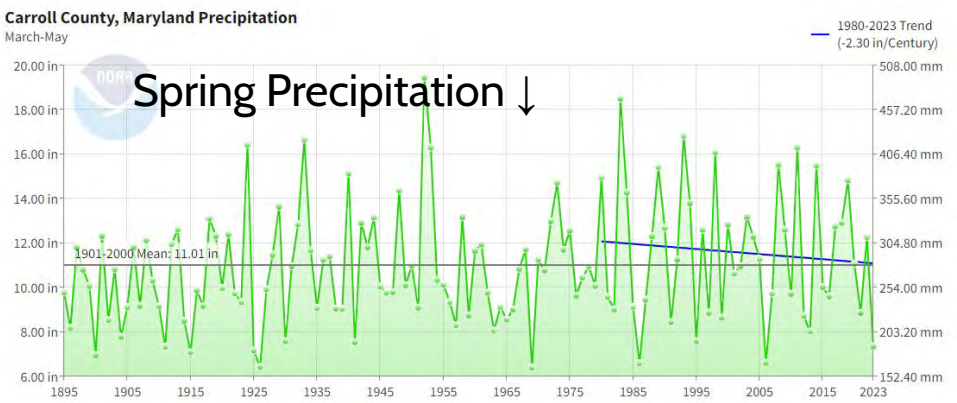




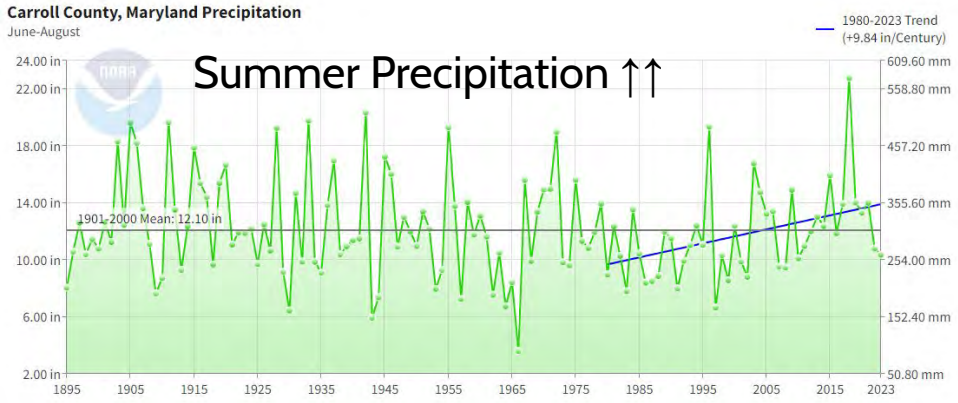


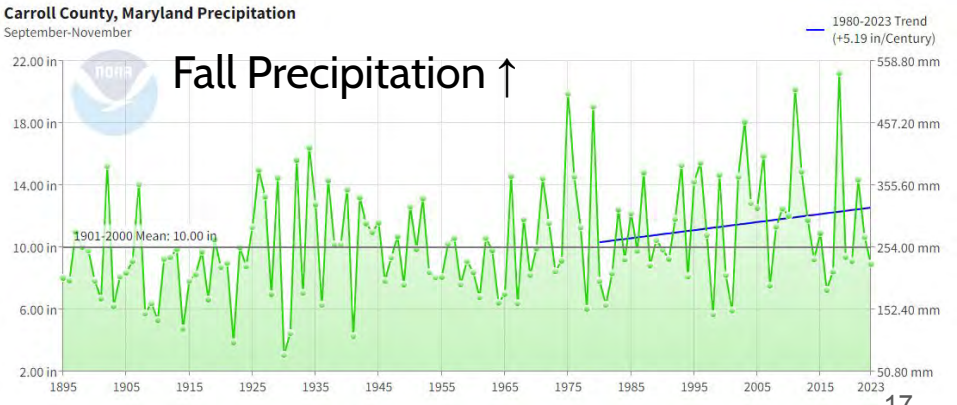
https://planning.maryland.gov/Documents/OurProducts/landuse/Carroll.pdf
https://planning.maryland.gov/Documents/OurProducts/landuse/MDP2010_LU_Summary.pdf





Precipitation in Carroll County is highly variable from year to year,
but there are some significant trends the past few decades.





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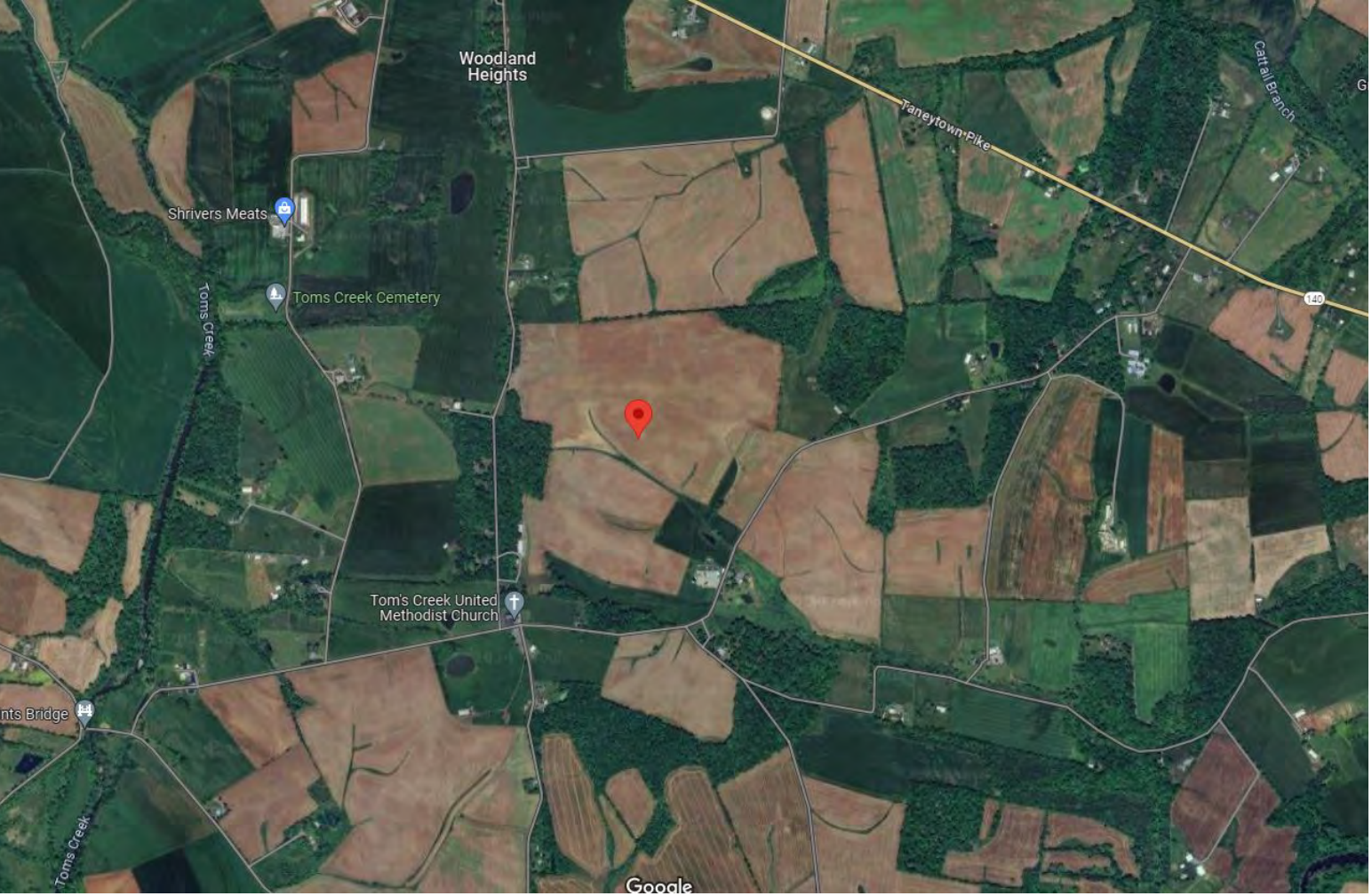
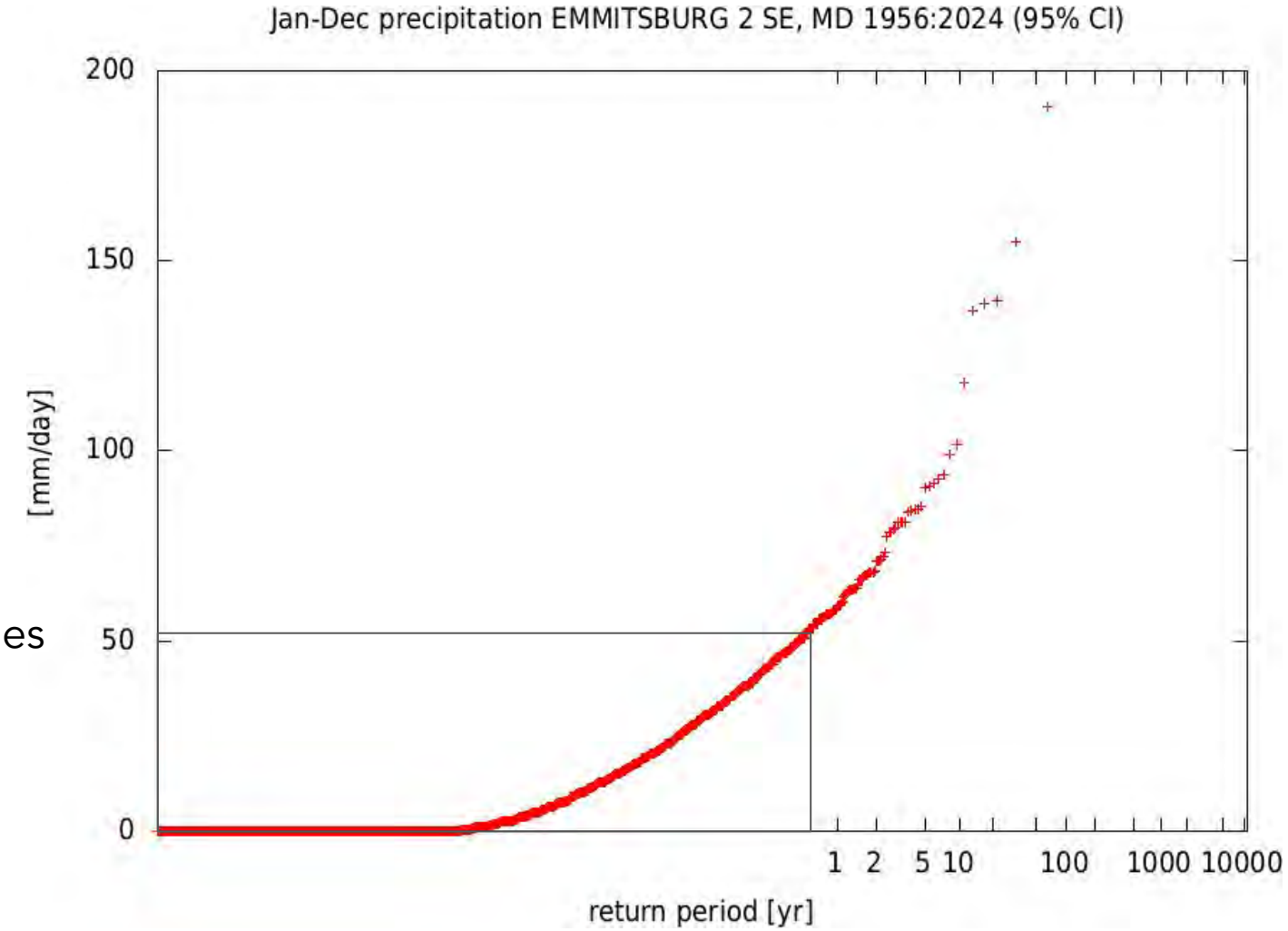


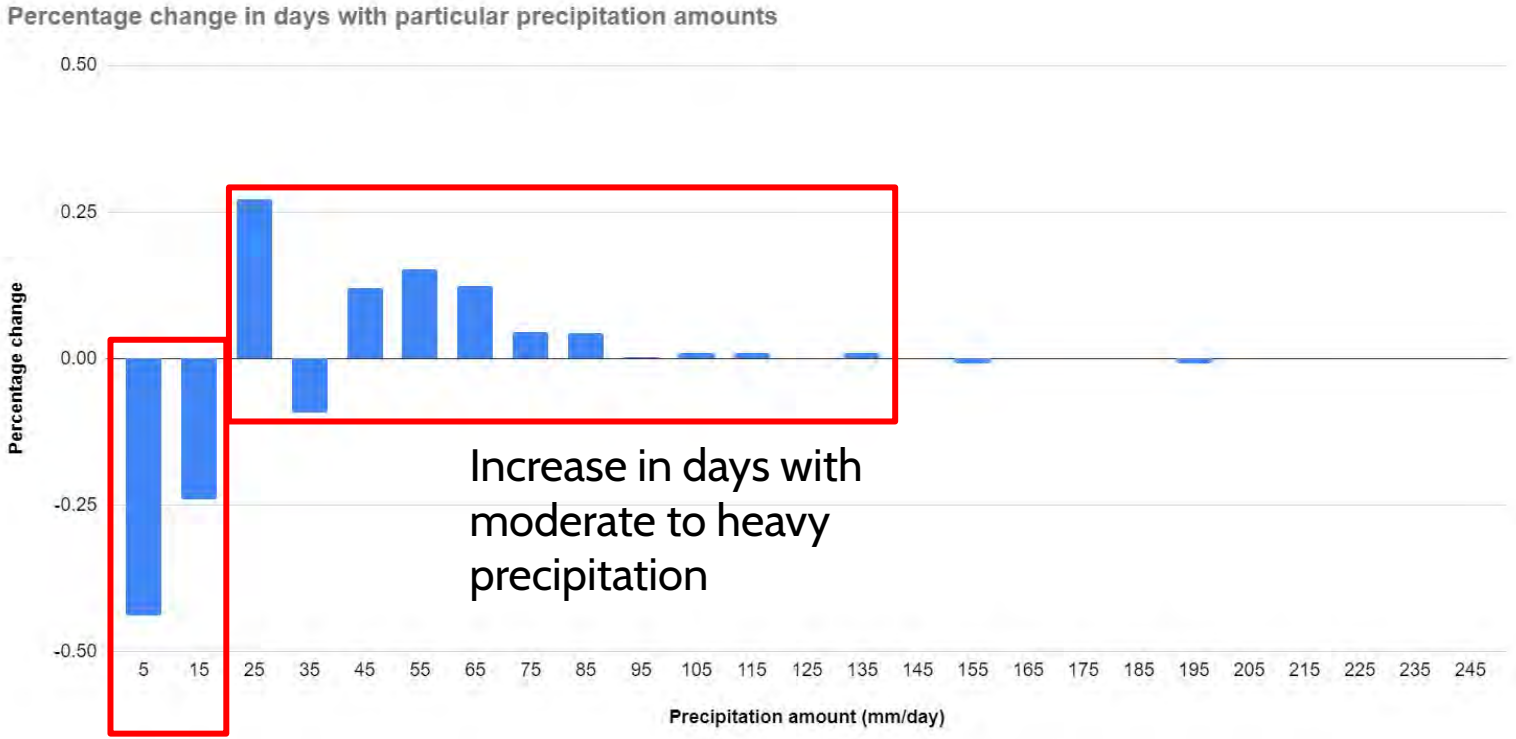
The following graphs are based on weather data from the nearest weather station to Carroll County, in Emmitsburg, MD.

The station is about 16 miles northwest of Westminster and has data from 1956 through 2024.



2 inches

This graph shows how frequently (horizontal axis) precipitation events of a certain magnitude (vertical axis) happen

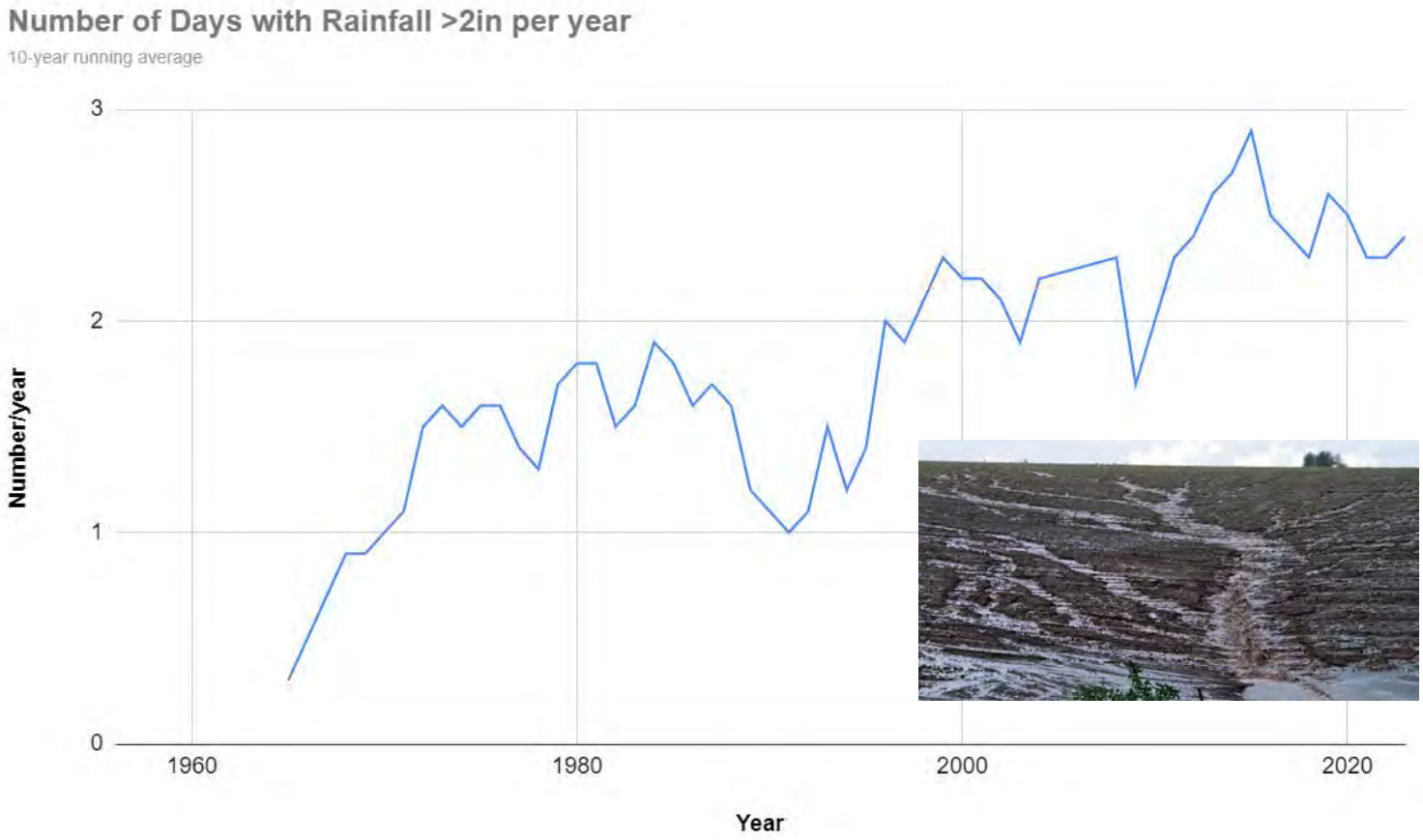


Increase in days with moderate to heavy precipitation

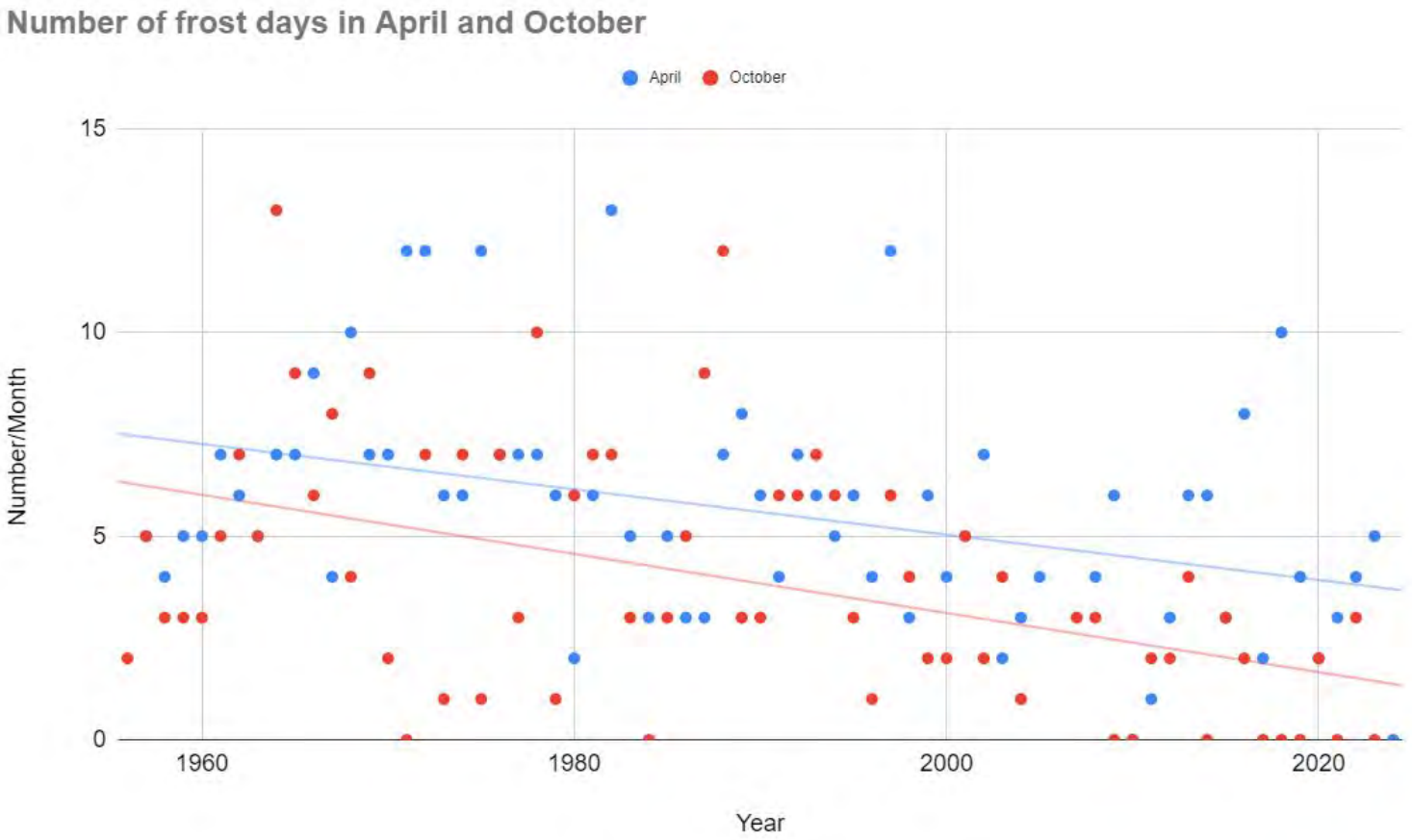
Decrease in days with light or no precipitation

Fewer days with light or no precipitation

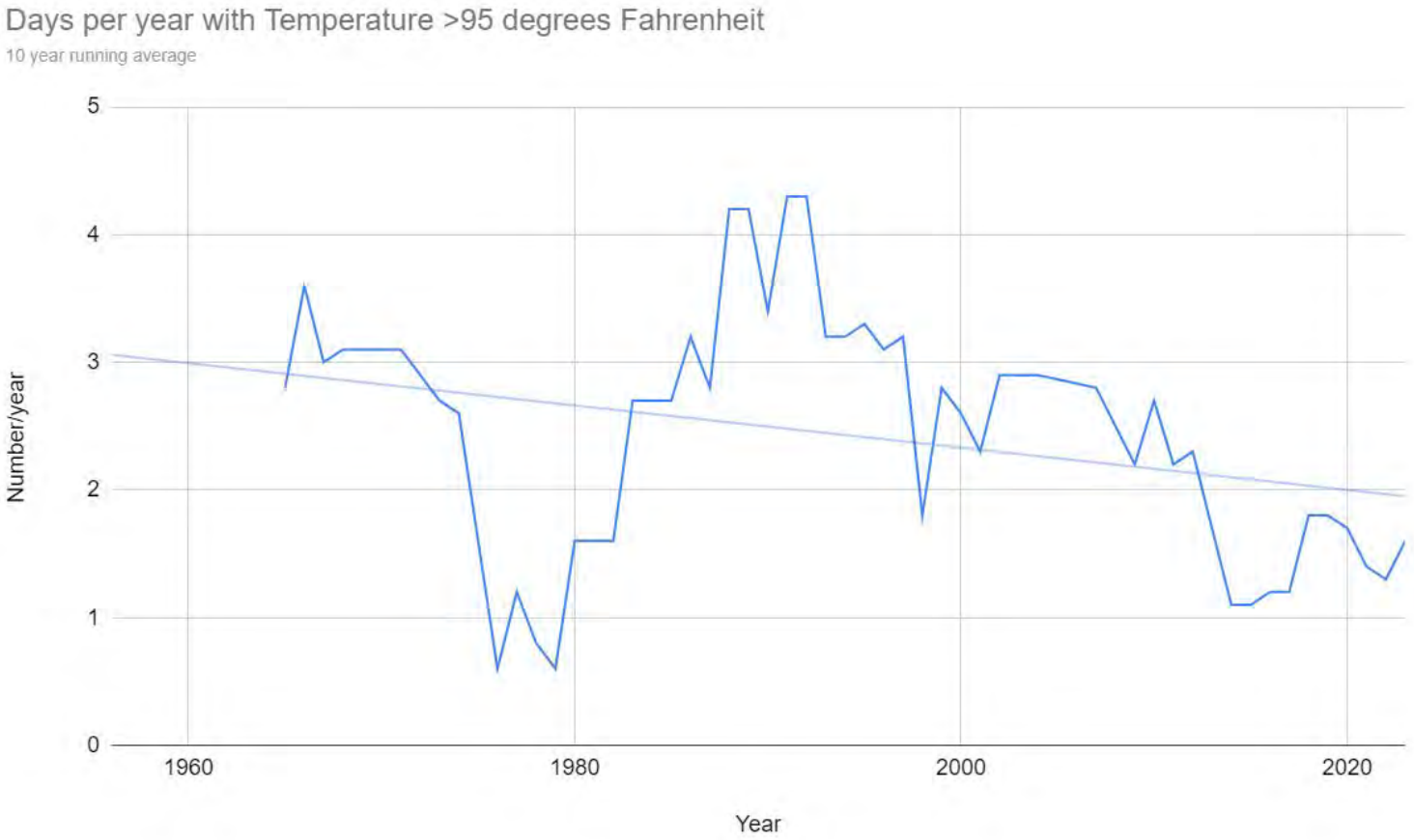
More days with heavier precipitation



The number of days with rainfall >2 inches per year has gone from about 1 to 2-3

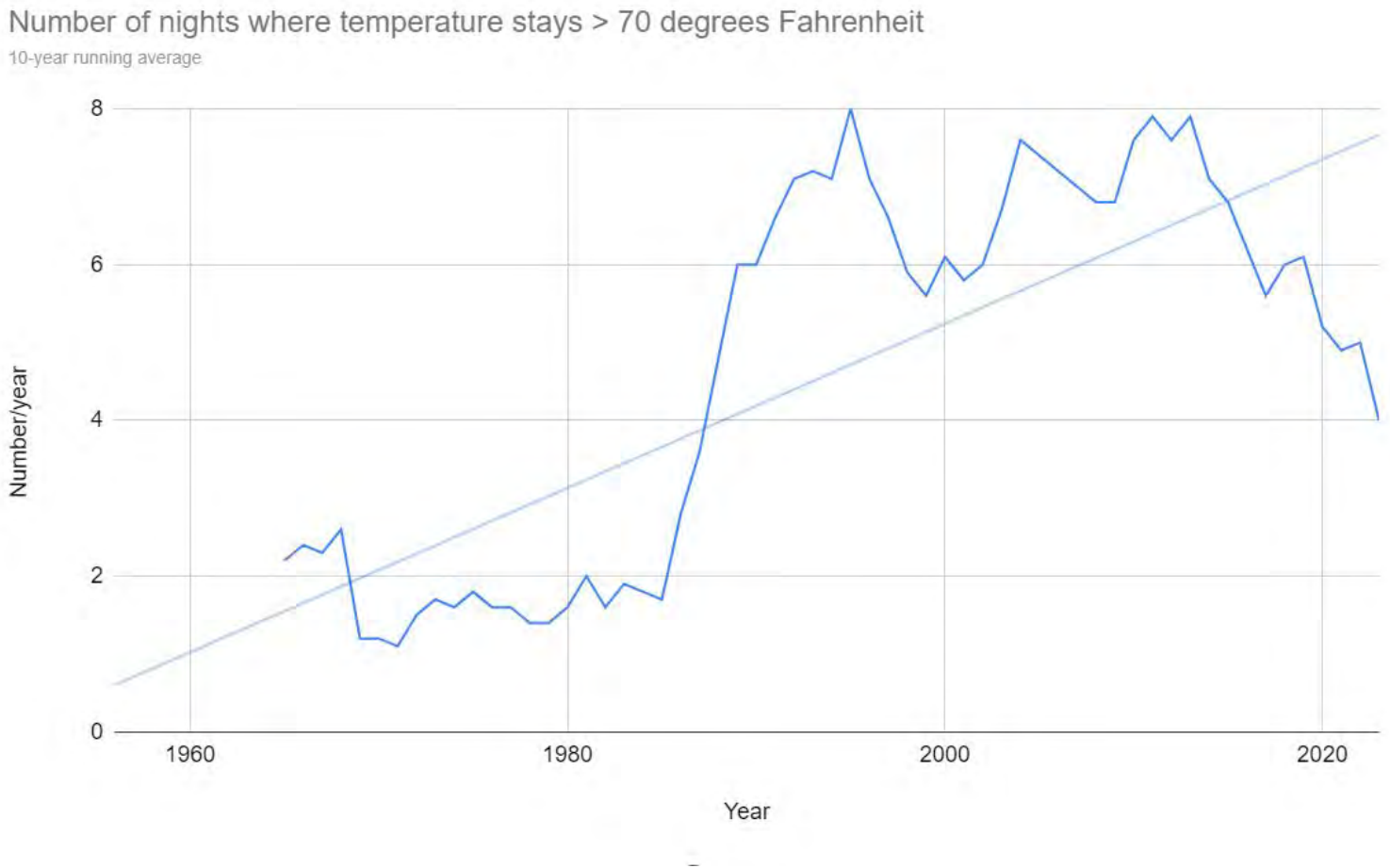


The number of frost days during the beginning and end of the growing season has decreased



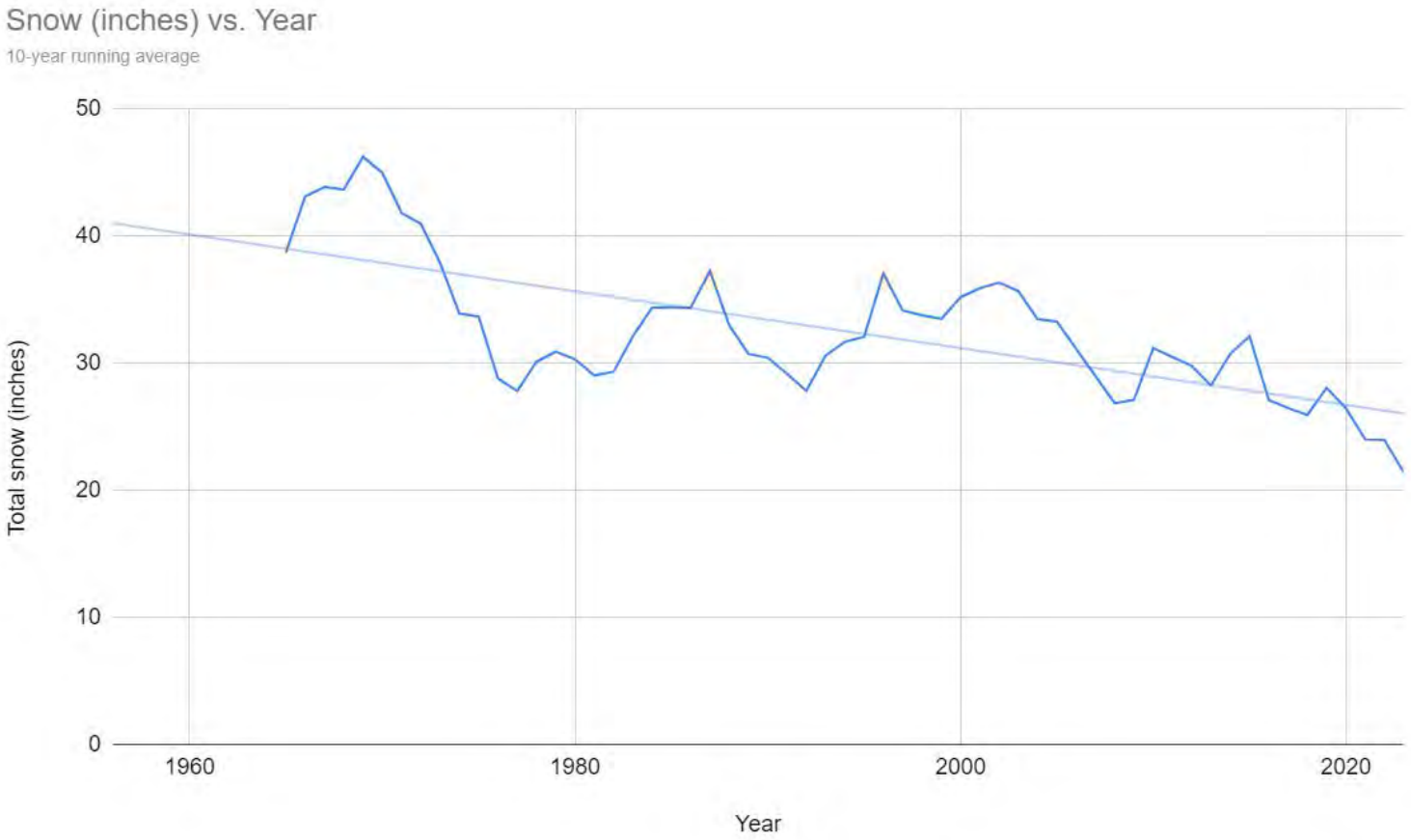
The number of days where the high temperature spikes about 95 °F has decreased

This is likely due to the increase in precipitation over the region

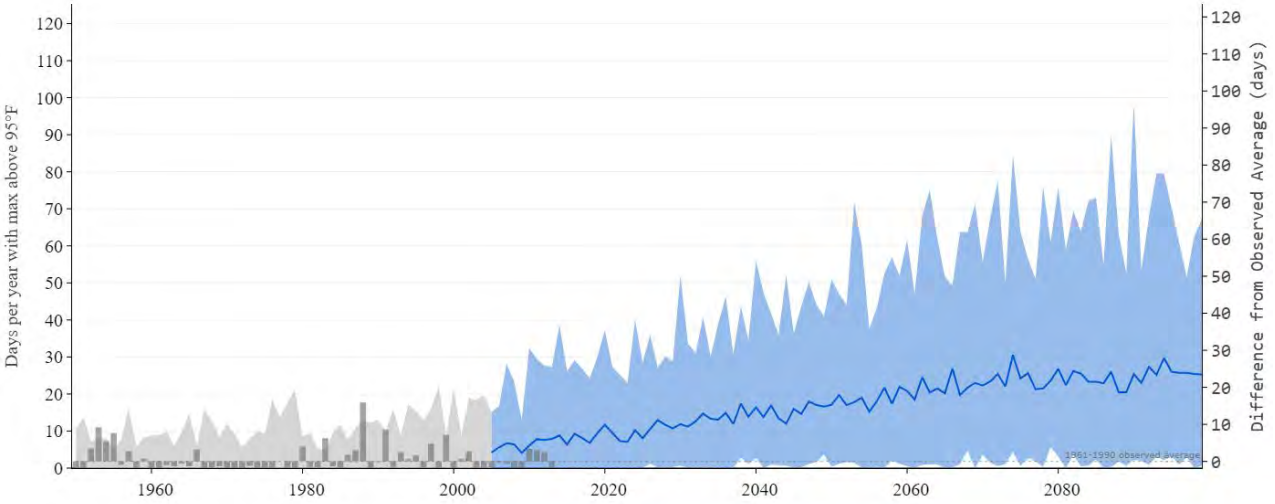


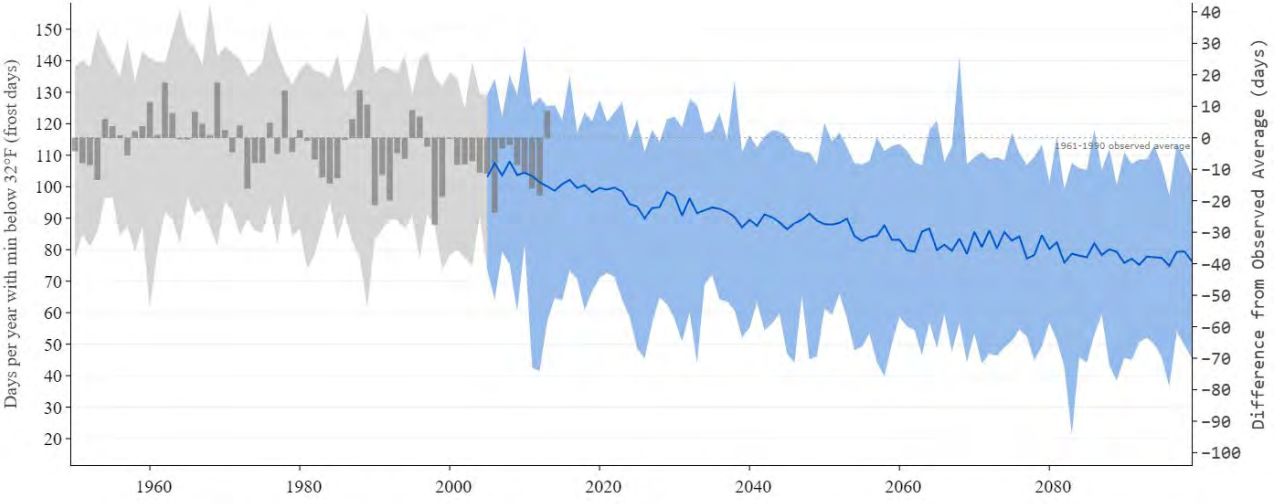
The number of nights where the temperature fails to fall below 70°F has increased from 1-2 to 5-7.

This is due to the increase in greenhouse gases (including water vapor) which prevent nighttime cooling



Annual snowfall has fallen from ~40 inches to ~25 inches.

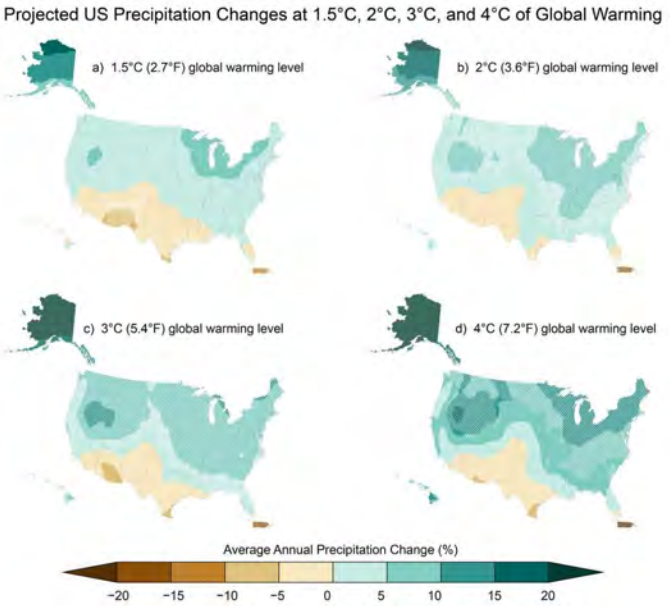


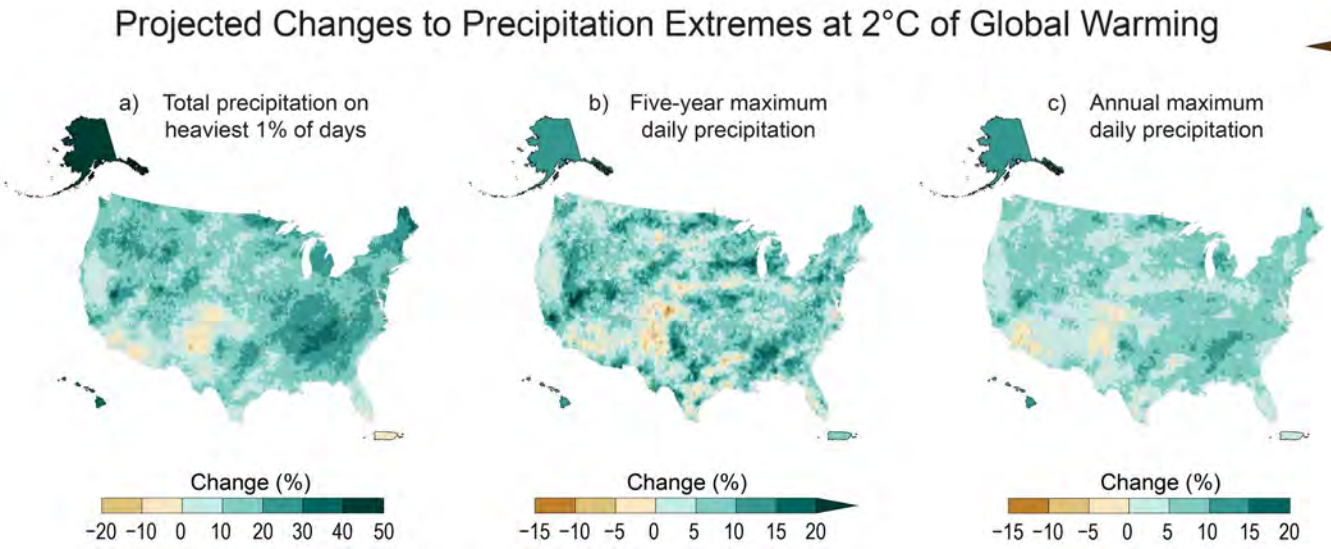


The number of days with temperatures above 95 °F is projected to increase to 20-25 (top left)

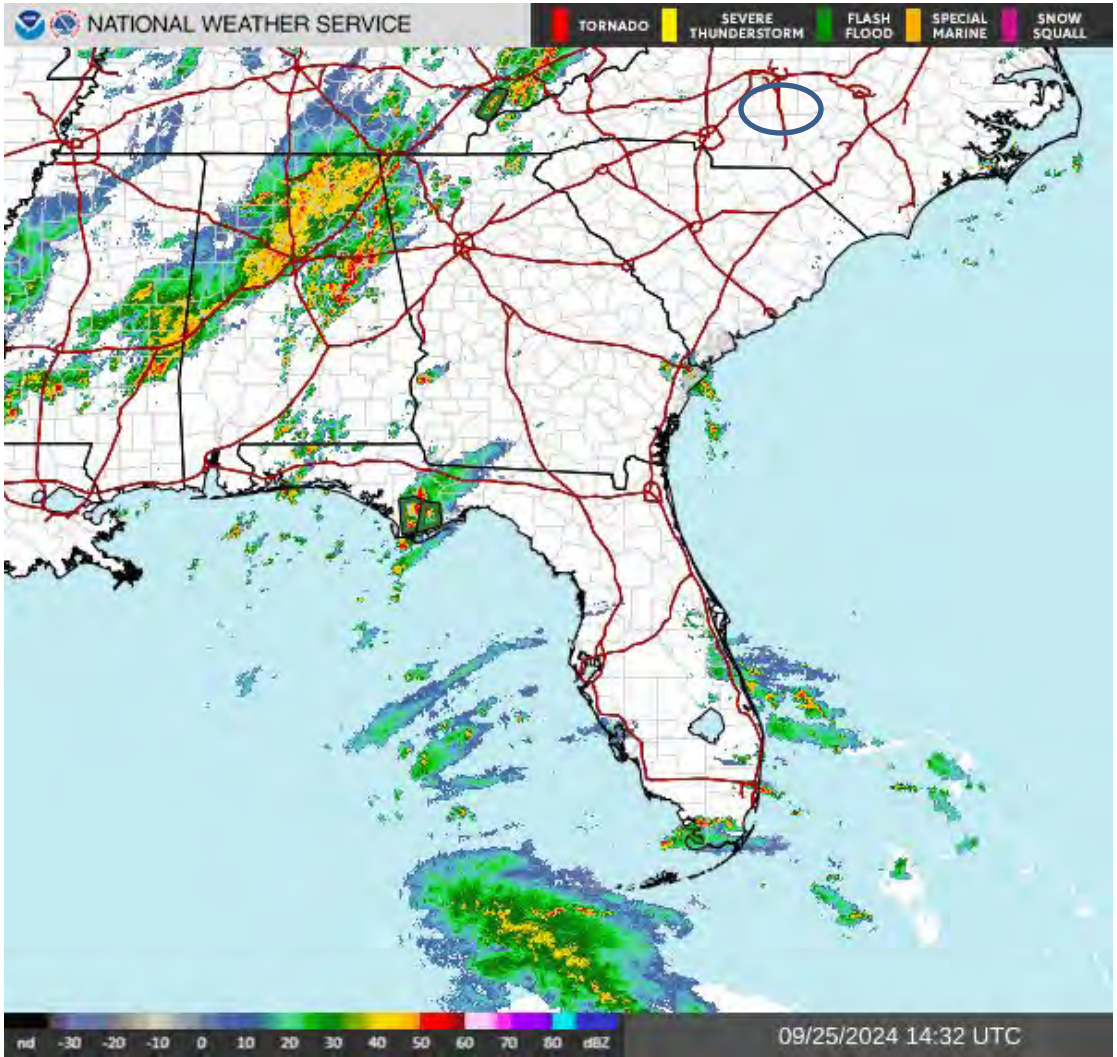
The number of frost days is projected to decrease from around 115 to 80 (bottom left)

Precipitation is expected to continue to increase in the mid-Atlantic (right) including extremes measured in a variety of ways (bottom).





Fifth National Climate Assessment, 2023, Figures 2.10 and 2.12



Slide Courtesy:
David Easterling
(NOAA/NCEI)

NWS radar loop for Helene and predecessor frontal and convective systems,
Sept. 25-27, 2024

Asheville, NC is circled, underneath Tornado at the top.

NOAA Atlas 14 Sample Product: Mountain Home, NC

PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.374 (0.337-0.415)	0.445 (0.402-0.493)	0.532 (0.479-0.589)	0.598 (0.538-0.662)	0.685 (0.612-0.758)	0.751 (0.667-0.830)	0.817 (0.722-0.905)	0.883 (0.775-0.981)	0.969 (0.841-1.08)	1.04 (0.892-1.17)
10-min	0.597 (0.539-0.662)	0.711 (0.642-0.788)	0.852 (0.768-0.944)	0.957 (0.860-1.06)	1.09 (0.976-1.21)	1.20 (1.06-1.32)	1.30 (1.15-1.44)	1.40 (1.23-1.56)	1.53 (1.33-1.71)	1.64 (1.40-1.84)
15-min	0.746 (0.673-0.828)	0.894 (0.807-0.991)	1.08 (0.971-1.19)	1.21 (1.09-1.34)	1.38 (1.24-1.53)	1.51 (1.34-1.67)	1.64 (1.45-1.82)	1.77 (1.55-1.96)	1.93 (1.67-2.15)	2.05 (1.76-2.31)
30-min	1.02 (0.923-1.14)	1.24 (1.12-1.37)	1.53 (1.38-1.70)	1.75 (1.58-1.94)	2.05 (1.83-2.27)	2.28 (2.02-2.52)	2.51 (2.22-2.78)	2.75 (2.41-3.05)	3.07 (2.66-3.43)	3.32 (2.86-3.73)
60-min	1.28 (1.15-1.42)	1.55 (1.40-1.72)	1.96 (1.77-2.18)	2.28 (2.05-2.53)	2.73 (2.44-3.02)	3.09 (2.74-3.42)	3.46 (3.06-3.83)	3.86 (3.39-4.28)	4.40 (3.82-4.92)	4.85 (4.17-5.45)
2-hr	1.50 (1.35-1.66)	1.82 (1.64-2.01)	2.29 (2.06-2.53)	2.67 (2.40-2.95)	3.20 (2.86-3.54)	3.64 (3.22-4.02)	4.10 (3.60-4.54)	4.59 (4.00-5.09)	5.29 (4.55-5.90)	5.86 (4.99-6.56)
3-hr	1.62 (1.46-1.80)	1.95 (1.76-2.16)	2.44 (2.20-2.70)	2.84 (2.55-3.15)	3.44 (3.06-3.81)	3.93 (3.48-4.36)	4.46 (3.91-4.95)	5.04 (4.37-5.61)	5.88 (5.02-6.59)	6.58 (5.56-7.41)
6-hr	2.09 (1.91-2.30)	2.50 (2.28-2.75)	3.08 (2.81-3.38)	3.58 (3.25-3.93)	4.30 (3.87-4.73)	4.92 (4.40-5.41)	5.60 (4.95-6.17)	6.34 (5.54-7.01)	7.44 (6.38-8.26)	8.37 (7.09-9.36)
12-hr	2.64 (2.42-2.89)	3.16 (2.90-3.45)	3.88 (3.55-4.24)	4.46 (4.07-4.87)	5.27 (4.79-5.76)	5.94 (5.37-6.50)	6.64 (5.97-7.28)	7.39 (6.58-8.13)	8.45 (7.44-9.36)	9.32 (8.12-10.4)
24-hr	3.17 (2.94-3.43)	3.80 (3.53-4.12)	4.68 (4.33-5.06)	5.37 (4.96-5.80)	6.33 (5.83-6.84)	7.11 (6.52-7.68)	7.92 (7.23-8.54)	8.75 (7.95-9.46)	9.92 (8.93-10.7)	10.9 (9.85-11.8)
2-day	3.77 (3.52-4.05)	4.50 (4.19-4.84)	5.49 (5.11-5.90)	6.27 (5.82-6.73)	7.35 (6.80-7.89)	8.21 (7.58-8.82)	9.11 (8.37-9.80)	10.0 (9.17-10.8)	11.3 (10.3-12.2)	12.3 (11.1-13.4)
3-day	4.02 (3.76-4.31)	4.79 (4.48-5.14)	5.79 (5.40-6.20)	6.58 (6.13-7.04)	7.66 (7.11-8.20)	8.51 (7.88-9.11)	9.38 (8.65-10.1)	10.3 (9.43-11.0)	11.5 (10.5-12.4)	12.5 (11.3-13.5)
4-day	4.28 (4.00-4.56)	5.09 (4.76-5.43)	6.10 (5.70-6.51)	6.89 (6.44-7.36)	7.96 (7.42-8.50)	8.80 (8.18-9.41)	9.66 (8.93-10.3)	10.5 (9.69-11.3)	11.7 (10.7-12.6)	12.6 (11.5-13.6)
7-day	4.99 (4.67-5.33)	5.92 (5.55-6.34)	7.09 (6.64-7.59)	8.02 (7.50-8.59)	9.29 (8.66-9.94)	10.3 (9.57-11.0)	11.3 (10.5-12.1)	12.4 (11.4-13.3)	13.8 (12.6-14.9)	15.0 (13.6-16.1)
10-day	5.71 (5.39-6.06)	6.75 (6.37-7.18)	8.01 (7.56-8.51)	9.00 (8.48-9.56)	10.4 (9.72-11.0)	11.4 (10.7-12.1)	12.5 (11.7-13.3)	13.6 (12.6-14.5)	15.1 (13.9-16.1)	16.2 (14.9-17.4)
20-day	7.73 (7.33-8.15)	9.09 (8.62-9.60)	10.6 (10.0-11.1)	11.7 (11.1-12.3)	13.2 (12.4-13.9)	14.3 (13.5-15.1)	15.4 (14.5-16.2)	16.4 (15.4-17.4)	17.8 (16.6-18.9)	18.8 (17.5-20.0)
30-day	9.46 (8.99-9.96)	11.1 (10.5-11.7)	12.7 (12.1-13.4)	13.9 (13.2-14.6)	15.4 (14.6-16.2)	16.5 (15.6-17.4)	17.6 (16.6-18.5)	18.6 (17.5-19.6)	19.8 (18.6-21.0)	20.8 (19.4-22.0)
45-day	12.0 (11.5-12.6)	14.0 (13.4-14.7)	15.8 (15.1-16.6)	17.1 (16.3-18.0)	18.7 (17.8-19.6)	19.8 (18.8-20.8)	20.8 (19.8-21.9)	21.7 (20.6-22.9)	22.8 (21.6-24.1)	23.6 (22.3-24.9)
60-day	14.4 (13.7-15.1)	16.7 (16.0-17.6)	18.7 (17.9-19.6)	20.1 (19.2-21.1)	21.8 (20.8-22.9)	23.0 (21.9-24.1)	24.0 (22.9-25.2)	25.0 (23.7-26.3)	26.1 (24.7-27.4)	26.8 (25.4-28.3)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Slide Courtesy: David Easterling (NOAA/NCEI)

I had 15 inches of rainfall Sept. 26-27, exceeded the 48h 1 in 100 year amount by 6 inches and the 48h 1 in 1000 year amount by 3 inches

NOAA Atlas 14 Sample Product: Brevard, NC

PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.398 (0.361-0.442)	0.475 (0.430-0.527)	0.565 (0.511-0.626)	0.635 (0.572-0.703)	0.725 (0.649-0.802)	0.793 (0.706-0.879)	0.863 (0.763-0.958)	0.932 (0.818-1.04)	1.02 (0.887-1.14)	1.10 (0.941-1.23)
10-min	0.636 (0.576-0.706)	0.759 (0.688-0.842)	0.905 (0.819-1.00)	1.02 (0.915-1.12)	1.16 (1.03-1.28)	1.26 (1.12-1.40)	1.37 (1.21-1.52)	1.48 (1.30-1.64)	1.62 (1.40-1.81)	1.72 (1.48-1.94)
15-min	0.795 (0.720-0.883)	0.954 (0.864-1.06)	1.14 (1.04-1.27)	1.28 (1.16-1.42)	1.46 (1.31-1.62)	1.60 (1.42-1.77)	1.73 (1.53-1.92)	1.86 (1.64-2.08)	2.04 (1.77-2.28)	2.17 (1.86-2.44)
30-min	1.09 (0.987-1.21)	1.32 (1.19-1.46)	1.63 (1.47-1.80)	1.86 (1.68-2.06)	2.17 (1.94-2.40)	2.41 (2.14-2.67)	2.66 (2.35-2.95)	2.90 (2.55-3.23)	3.24 (2.81-3.63)	3.51 (3.01-3.95)
60-min	1.36 (1.23-1.51)	1.65 (1.50-1.84)	2.09 (1.89-2.31)	2.42 (2.18-2.68)	2.89 (2.58-3.20)	3.26 (2.90-3.62)	3.66 (3.23-4.06)	4.07 (3.57-4.53)	4.65 (4.03-5.20)	5.12 (4.40-5.77)
2-hr	1.59 (1.44-1.76)	1.93 (1.75-2.13)	2.43 (2.20-2.68)	2.82 (2.54-3.11)	3.38 (3.02-3.72)	3.83 (3.41-4.23)	4.31 (3.80-4.77)	4.82 (4.23-5.35)	5.55 (4.80-6.18)	6.14 (5.26-6.88)
3-hr	1.74 (1.58-1.94)	2.10 (1.90-2.34)	2.63 (2.37-2.92)	3.06 (2.76-3.40)	3.69 (3.29-4.09)	4.22 (3.73-4.68)	4.78 (4.19-5.31)	5.40 (4.68-6.01)	6.29 (5.38-7.05)	7.05 (5.95-7.94)
6-hr	2.35 (2.15-2.59)	2.81 (2.57-3.10)	3.46 (3.15-3.82)	4.01 (3.64-4.42)	4.82 (4.34-5.32)	5.51 (4.92-6.08)	6.26 (5.53-6.93)	7.09 (6.19-7.87)	8.32 (7.13-9.28)	9.36 (7.91-10.5)
12-hr	3.09 (2.84-3.38)	3.71 (3.40-4.05)	4.55 (4.17-4.97)	5.23 (4.78-5.71)	6.18 (5.62-6.76)	6.98 (6.31-7.63)	7.80 (7.00-8.56)	8.69 (7.73-9.56)	9.96 (8.74-11.0)	11.0 (9.56-12.3)
24-hr	3.88 (3.59-4.19)	4.64 (4.31-5.02)	5.70 (5.28-6.16)	6.54 (6.05-7.06)	7.70 (7.10-8.30)	8.64 (7.94-9.31)	9.61 (8.80-10.3)	10.6 (9.67-11.4)	12.0 (10.8-12.9)	13.1 (11.7-14.1)
2-day	4.66 (4.34-5.03)	5.56 (5.18-6.00)	6.76 (6.28-7.28)	7.72 (7.16-8.31)	9.03 (8.36-9.72)	10.1 (9.31-10.9)	11.2 (10.3-12.0)	12.3 (11.2-13.2)	13.8 (12.6-14.9)	15.0 (13.6-16.2)
3-day	4.99 (4.66-5.35)	5.93 (5.54-6.36)	7.15 (6.67-7.67)	8.12 (7.57-8.70)	9.43 (8.77-10.1)	10.5 (9.71-11.2)	11.5 (10.7-12.4)	12.6 (11.6-13.5)	14.1 (12.8-15.1)	15.2 (13.8-16.4)
4-day	5.31 (4.98-5.66)	6.31 (5.91-6.73)	7.54 (7.07-8.05)	8.52 (7.97-9.09)	9.83 (9.18-10.5)	10.9 (10.1-11.6)	11.9 (11.0-12.7)	12.9 (12.0-13.8)	14.3 (13.1-15.3)	15.4 (14.1-16.5)
7-day	6.25 (5.86-6.70)	7.42 (6.95-7.95)	8.88 (8.31-9.51)	10.0 (9.37-10.7)	11.6 (10.8-12.4)	12.9 (11.9-13.8)	14.1 (13.1-15.1)	15.4 (14.2-16.5)	17.2 (15.7-18.4)	18.5 (16.9-19.9)
10-day	7.20 (6.77-7.69)	8.52 (8.01-9.09)	10.1 (9.48-10.8)	11.4 (10.6-12.1)	13.0 (12.2-13.9)	14.4 (13.4-15.3)	15.7 (14.6-16.8)	17.1 (15.8-18.2)	18.9 (17.4-20.2)	20.3 (18.6-21.8)
20-day	9.74 (9.23-10.3)	11.4 (10.9-12.1)	13.3 (12.6-14.0)	14.7 (13.9-15.5)	16.5 (15.6-17.5)	17.9 (16.9-19.0)	19.3 (18.1-20.4)	20.6 (19.3-21.8)	22.3 (20.8-23.7)	23.5 (21.9-25.0)
30-day	11.9 (11.3-12.5)	13.9 (13.2-14.7)	15.9 (15.1-16.8)	17.4 (16.5-18.4)	19.4 (18.3-20.4)	20.8 (19.6-21.9)	22.1 (20.8-23.3)	23.3 (22.0-24.6)	24.8 (23.3-26.3)	25.9 (24.3-27.5)
45-day	15.1 (14.4-15.9)	17.7 (16.8-18.5)	19.9 (19.0-20.9)	21.5 (20.5-22.5)	23.5 (22.3-24.6)	24.8 (23.6-26.1)	26.1 (24.8-27.4)	27.2 (25.8-28.6)	28.5 (27.0-30.0)	29.4 (27.8-31.0)
60-day	18.0 (17.3-18.9)	21.0 (20.1-22.0)	23.5 (22.4-24.5)	25.2 (24.1-26.4)	27.3 (26.1-28.6)	28.8 (27.5-30.1)	30.1 (28.7-31.5)	31.2 (29.7-32.7)	32.5 (30.9-34.1)	33.4 (31.7-35.0)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

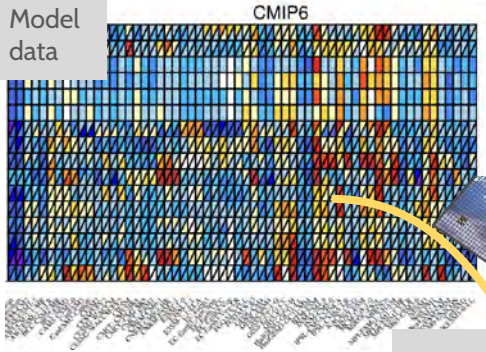
Please refer to NOAA Atlas 14 document for more information.

Slide Courtesy: David Easterling (NOAA/NCEI)

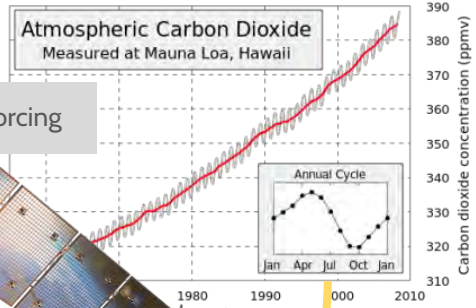
I had 15 inches of rainfall Sept. 26-27, exceeded the 48h 1 in 100 year amount by 6 inches and the 48h 1 in 1000 year amount by 3 inches

A station near Brevard, NC had 25.81 inches, almost 1.5 times their 1 in a 1000 year amount.

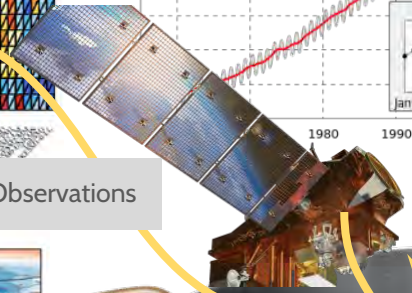
Model data



Forcing

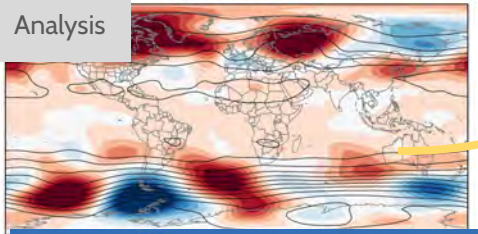


Observations

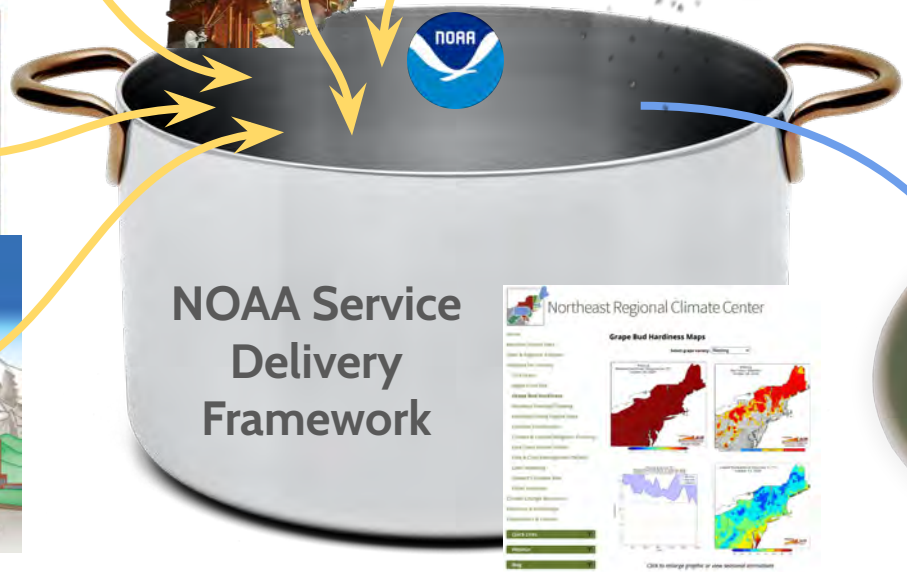


Feedback/ Engagement

Analysis



Understanding



Service Delivery Framework:

Build relationships
Gather needs
Translate (capacity)
Review and prioritize
Respond
Deliver
Evaluate

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

Tools and Further Information

https://nca2023.globalchange.gov/

CMRA https://resilience.climate.gov/

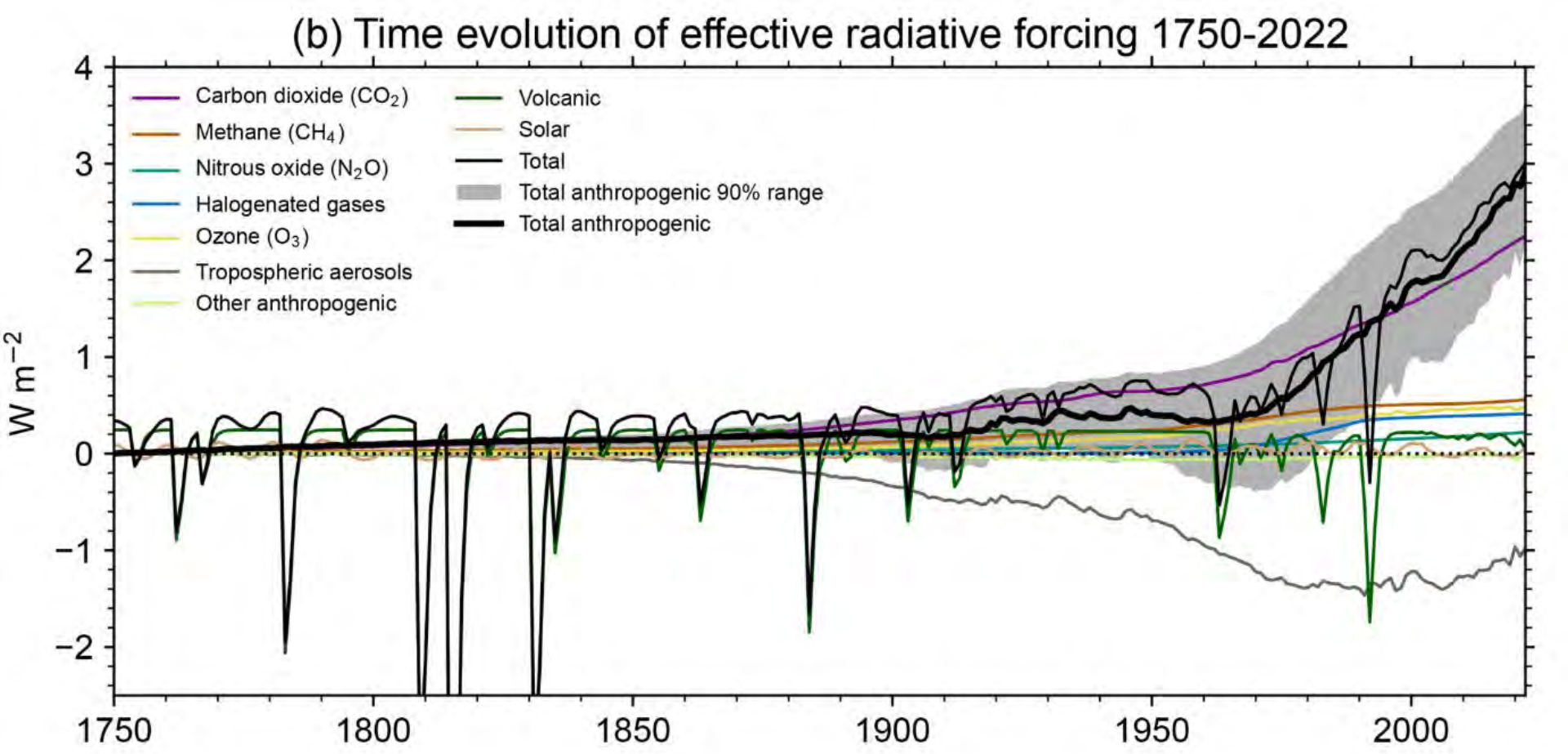
NIHHIS https://www.heat.gov/

https://www.climate.gov/

Climate and Economic Justice Screening Tool https://screeningtool.geoplatform.gov

NIDIS https://www.drought.gov/

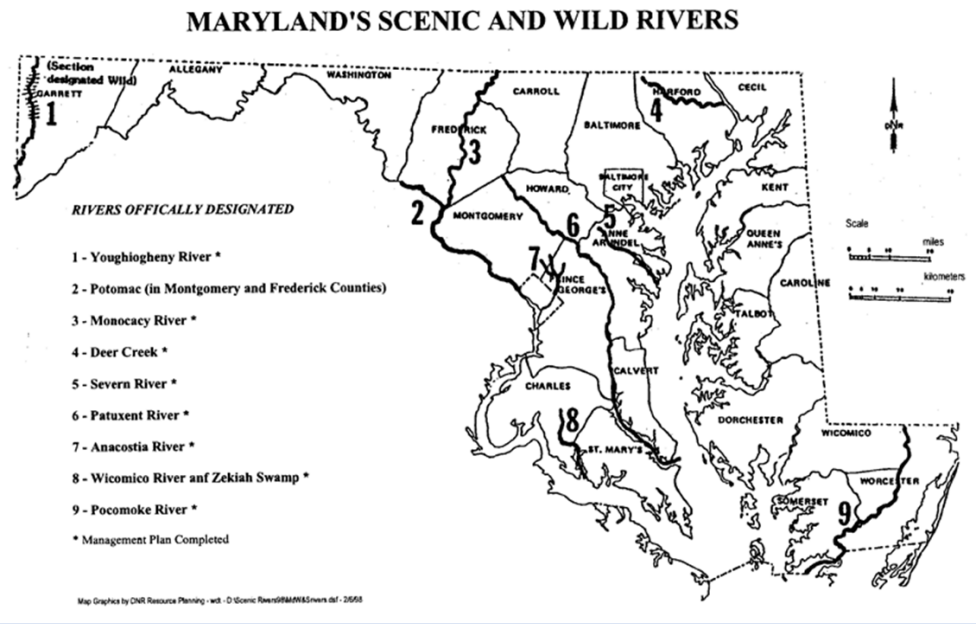
https://toolkit.climate.gov/

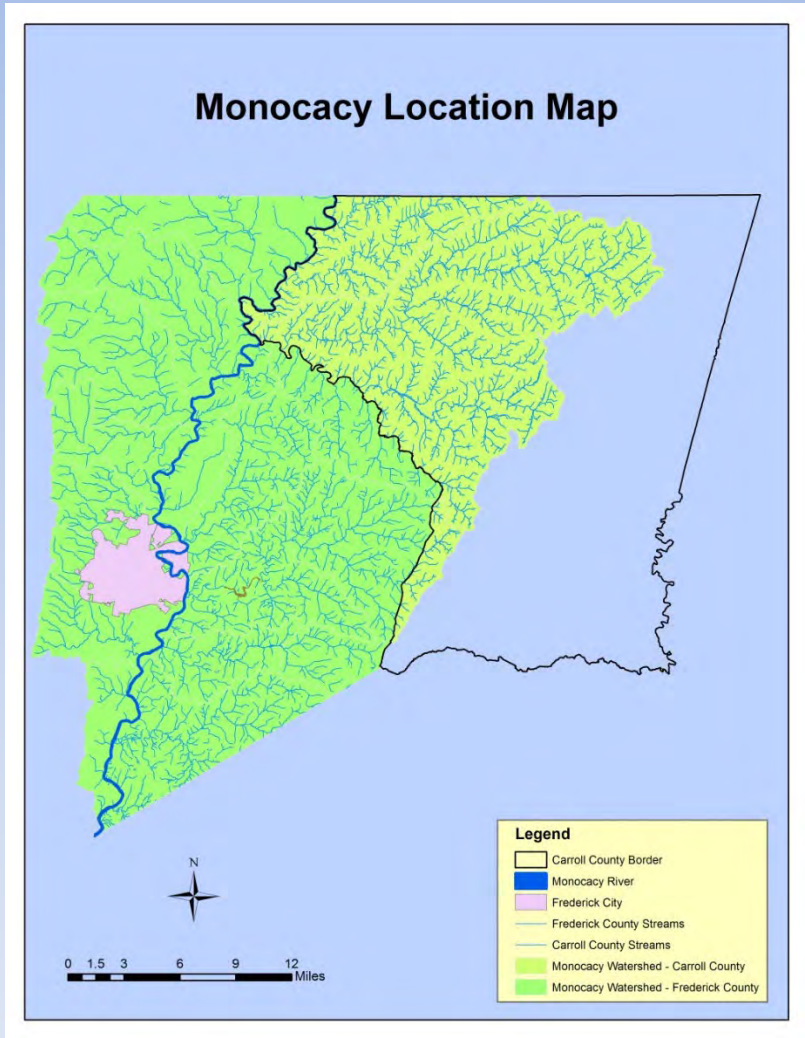


Forster, P.M. et al., Indicators of Global Climate Change 2022: annual update of large-scale indicators of the state of the climate system and human influence, Earth Syst. Sci. Data, 15, 2295–2327, 2023, https://doi.org/10.5194/essd-15-2295-2023

Monocacy Scenic River Advisory Board

- Wild and Scenic River Designation
  - Original Designation (8-401 to 8-411)
    - MD Scenic and Wild Rivers act of 1968
  - 1974 Monocacy Designation

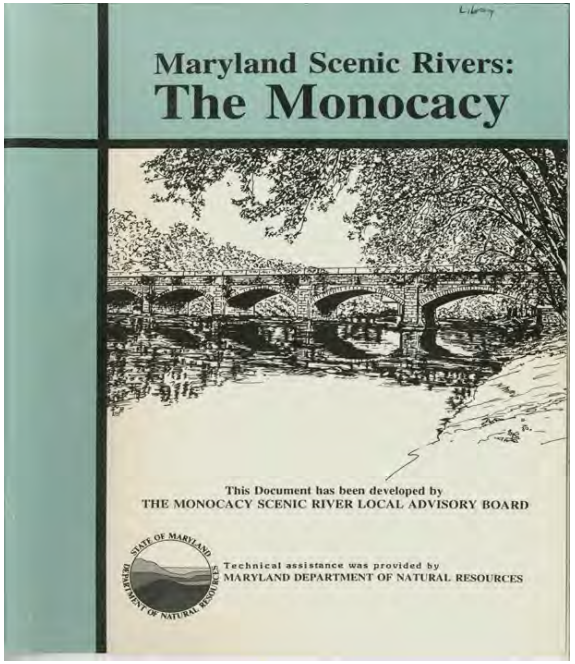


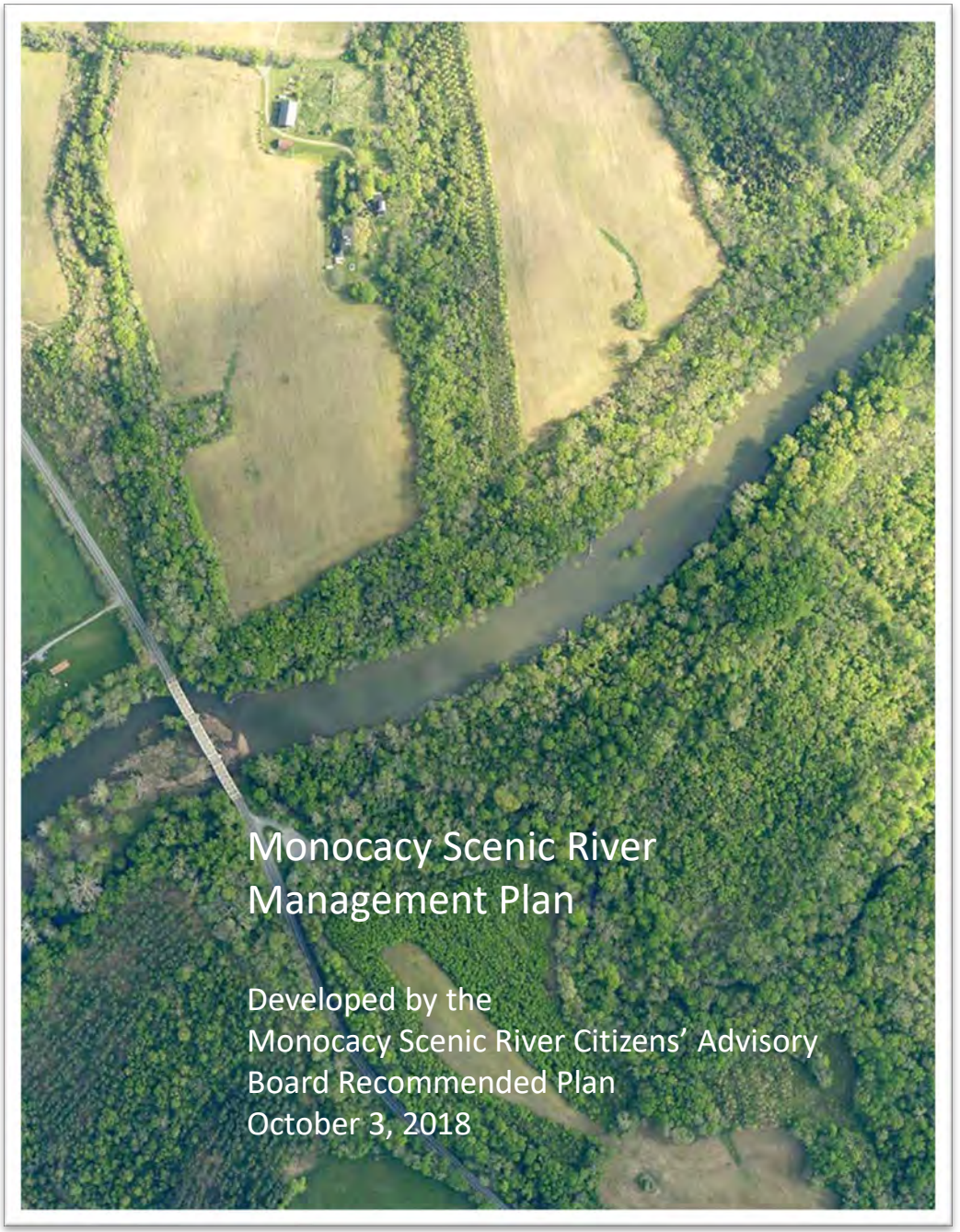



DISCOVERY 158

Monocacy Scenic River Advisory Board

- Monocacy Scenic River Study & Management Plan
  - Plan Approved Locally 1990
  - Maryland Legislative Approval 1991
- 2018 Plan Update
  - Commissioner Approved (11/18)
  - Split ways w/ Frederick County





Monocacy Scenic River Advisory Board

Volunteer Stream Cleanups— Monocacy Watershed

Little Pipe Creek Westminster, MD April, 2024

Dickenson Run, Atlee Ridge Park New Windsor, MD October, 2022

Taneytown Elementary School
Taneytown, MD April, 2023

Little Pipe Creek
Westminster, MD
November, 2021

Monocacy Scenic River Advisory Board

Volunteer
Tree Planting
Maintenance

Monocacy Watershed

Bollinger Park Taneytown, MD November 2022

Memorial Park Taneytown, MD May 2023

Cherry Branch, Union Bridge, MD September 2023

Roberts Mill Park Taneytown, MD April 2022

GOALS OF THE MONOCACY SCENIC RIVER MANAGEMENT PLAN

- Advocate for sustainable land uses, best management practices, and activities that respect the river, while respecting the property rights of landowners along the river.
- Maintain and improve the ecological health and productivity of the Monocacy River.
- Improve the River's water quality
- Promote land use compatibility and attention to environmentally sensitive areas to maximize conservation and sound use of the Monocacy's riparian resources
- Identify incentives and cooperative approaches for stewardship of significant scenic and ecological areas, historic and archaeological sites, and other valued River-related resources
- Provide resource information about the Monocacy River for local, state, and federal governments, elected officials, civic groups, environmental organizations, and the residents of Carroll and Frederick counties
- Develop multi-jurisdictional cooperation and coordination for the management and protection of the Monocacy River.
- Increase public awareness about important Monocacy River resource values through outreach and environmental education
- Pursue the vision for the Monocacy River, articulated by Maryland's Wild & Scenic River Act
- Implementation of the plan's recommendations should not stop development or impede agricultural activities and other initiatives

MD Green Teams

sustainablemaryland.com

Sustainable Maryland is a certification program for municipalities in Maryland that want to go green, save money, and take steps to sustain their quality of life over the long term. Sustainable Maryland is a collaborative effort between the Environmental Finance Center (EFC) at the University of Maryland and the Maryland Municipal League .

Participating Municipalities

- Hampstead – 2024 - $5,000 award – Community Garden
- Mount Airy – 2024 - $20,000 award – Greenhouse & Sustainability Education Hub
- Taneytown
- Union Bridge
- Westminster

Bronze Certification Requirements

- Establishment of **mandatory Green Team and Action Plan**
- Implement **2 of 8 Priority Actions**
- Complete actions in **4 of 8 Categories**
- Total of at least **150 Points**

Silver Certification Requirements

- Establishment of **mandatory Green Team and Action Plan**
- Implement **4 of 8 Priority Actions**
- Complete actions in **6 of 10 Categories**
- Total of at least **400 Points**

MD Green Teams

Green Teams promote a sense of community, are a way for people to get to know each other, gives people something to do, and gives people impactful ways to give back to their community.

Getting Started

- Step 1: Pass a Resolution
- Step 2: Register
- Step 3: Review and Select Actions
- Step 4: Create a Green Team and Action Plan
- Step 5: Submit Application for Certification

Categories

- Community Action
- Community Based Food
- Economic Development
- Energy and Resiliency
- Green Space
- Health & Wellness
- Historic Preservation
- Planning and Land Use
- Purchasing policies and practices
- Stormwater & Watershed
- Transportation
- Waste Reduction

Actions earn points and include things like

- Community gardens/food forests
- Electric vehicles/charging stations
- Climate action planning (climate plans, greenhouse gas inventories, resiliency hubs, flood risk planning)
- Renewable energy (solar panels/solar parking canopies)
- Green infrastructure (rain gardens, bioswale, pervious paving, green roofs)
- Biodiversity (native plantings, pollinator meadows/corridors)
- Energy efficiency (energy audits, LED streetlights, heat pumps, heigh-efficiency HVACs, white roofs)
- Bicycle/Pedestrican infrastructure or planning (bike lanes, bike parking, bike/ped audits, Safe Routes to School, Complete Streets)
- Land preservation and enhancement (parks, trails, easements, tree canopy plans)
- Outreach and education programming

How can the MSRAB help?

Goal From the plan- *Identify incentives and cooperative approaches for stewardship of significant scenic and ecological areas, historic and archaeological sites, and other valued River-related resources*

- Act as liaison between the County and Municipalities
- Organize and/or Assist with events
- Promote and Spread the word

MONOCACY
SCENIC RIVER BOARD

The program provides a free and easy to use framework for municipalities to follow to become more sustainable. Save money; Gain access to training, tools and expert guidance; Get recognized. Promote your town; Conserve valuable resources. Protect the environment. The certification is free and completely voluntary.

sustainablemaryland.com


Questions?
Memorial Park Planting
Maintenance

MUNICIPAL STORMWATER PROJECT STATUS

February 26, 2025

FUTURE PROJECTS:

Michael's Property (Hampstead) – Project is on hold until Town has obtained approval from property owners to move forward.

Hampstead Valley 2/3 (Hampstead) – Hampstead Valley facilities 2 and 3 will be retrofit as a stream restoration project to decommission Sycamore Drive as a roadway embankment. The design will include a stream restoration beginning immediately downstream of the proposed Hampstead Valley 1 facility and continue to Sycamore Drive.

CONCEPT DESIGN:

Hampstead Valley 1 (Hampstead) – Retrofit of existing detention basin to a surface sand filter. Site is located just south of Lower Beckleysville Road near a production well. Concept approval was issued January 22, 2025.

Manchester East (Manchester) – CLSI is working on the concept design of a new stormwater facility north of Manchester Valley High School, adjacent to the WWTP. The concept plan is currently under review by SWM.

Meadow Ridge Basin 2 (Westminster) – Retrofit of existing facility to provide water quality through a surface sand filter. This site is adjacent to the pump station at the edge of the City limits. Century is currently working on a conceptual design. Information for the City's pump station was email to Century this month. We anticipate a submittal very soon.

New Windsor Wetland (New Windsor) - A new wetland facility is proposed adjacent to the Maryland Midland Railroad tracks and Dickenson Run. The proposed improvements include removing the existing inlet adjacent to the intersection of Water St and Church St, replacing it with a diversion structure that will route the 1-year storm discharges to the proposed wetland facility. A concept plan was submitted and review comments were sent back to BAI.

Public Safety Training Center (Westminster Well)- A retrofit for the Public Safety Training Center pond is in progress for the facility design and PFAS remediation. The retrofit and site plan are currently under review by stormwater management.

PRELIMINARY DESIGN:

FINAL DESIGN:

Hampstead Valley 4 (Hampstead) – A new surface sand filter and stream restoration project is proposed between Century Street and Downhill Trail. CLSI is working on a dam breach analysis which is being requested from MDE Dam Safety. The county has emailed Army Corps of Engineers a response to all of their comments. *This project was submitted to DNR Grants Gateway for construction funding, we anticipate hearing if it was selected in June.*

Roberts Field Wet Facility (Hampstead) ***(DNR Grant Award- $1,000,000)–*** Retrofit of wet pond to new hybrid wet pond/submerged gravel wetland. The recent concept submittal was approved with comments from the Town and Stormwater Management. Wallace Montgomery & Associates (WMA) is working on the preliminary plans. Comments were received by MDE Dam Safety, that we are working to address and respond back. The Army Corps of Engineers has issued their permit for this project.

CONSTRUCTION:

TREE PLANTING PROJECTS:

All the municipal plantings have completed their maintenance period and are now the responsibility of the municipalities. Please make sure that these areas are being mowed at least three (3) times per season.

WRCC Legislative Update

2025 General Assembly Proposed Water/Environmental Resource Legislation

Status: As of February 26, 2025

Bill + Description	Status + Position
HB 24 **BAY RESTORATION FUND - AUTHORIZED USES - CONNECTION TO EXISTING MUNICIPAL WASTEWATER FACILITY** Altering the authorized uses of a certain account of the Bay Restoration Fund to include the cost of connecting certain property using an on-site sewage disposal system to an existing municipal wastewater facility under certain circumstances. **Bill**: • **SB**: n/a • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0024F.pdf	➢ **Status:** ◆ **SB**: n/a ◆ **HB**: Hearing canceled ➢ **Other:** Would add OSDS hookup in low-income area to be eligible for BRF $
HB 38 **SCHOOL CONSTRUCTION AND HOUSING - SCHOOL ZONES AND ADEQUATE PUBLIC FACILITIES ORDINANCES** Requiring each county board of education to submit a certain report to the Department of Planning and the Interagency Commission on School Construction each year; repealing the authorization of the Interagency Commission on School Construction to make an enrollment deduction under certain circumstances; prohibiting a county's adequate public facilities ordinance from restricting housing developments after a certain period of time; and generally relating to school zones, school construction, and adequate public facilities ordinances **Bills**: • **SB**: n/a • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0038F.pdf	➢ **Status:** ◆ **SB**: n/a ◆ **HB**: Hearing 2/4 ➢ **Other**: Could potentially impact ability to apply APFO school standards to certain development projects

Bill + Description	Status + Position
SB 149/HB 128 **RESPONDING TO EMERGENCY NEEDS FROM EXTREME WEATHER (RENEW) ACT OF 2025** Establishing the Climate Change Adaptation and Mitigation Payment Program in the Department of the Environment to secure payments from certain businesses that extract fossil fuels or refine petroleum products in order to provide a source of revenue for State efforts to adapt to or mitigate the effects of climate change and to address the health impacts of climate change on vulnerable populations; establishing the Climate Change Adaptation and Mitigation Fund as a special, nonlapsing fund; authorizing the Legislative Auditor to conduct certain audits of the Fund and of the appropriations and expenditures made for the purposes of the Climate Change Adaptation and Mitigation Payment Program; and generally relating to the Climate Change Adaptation and Mitigation Payment Program **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0149F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0128F.pdf	➢ **Status:** ◆ **SB**: Hearing 2/13 ◆ **HB**: Hearing 1/23 ➢ **Other**: Could create additional funding source for climate change mitigation or adaptation projects
SB 245/HB 279 **MUNICIPALITIES - ANNEXATION RESOLUTIONS - SUBMISSION TO DEPARTMENT OF PLANNING** Adding the Department of Planning to the list of entities to which a municipality must send a copy of an annexation resolution with the new municipal boundaries; and generally relating to municipal annexation resolutions **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0245F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0279F.pdf	➢ **Status:** ◆ **SB**: Passed Senate ◆ **HB**: Passed House ➢ **Other**: May create additional step in muni process

Bill + Description	Status + Position
SB 250 **DEPARTMENT OF THE ENVIRONMENT - FEES, PENALTIES, FUNDING, AND REGULATION** …; authorizing MDE to charge a fee for processing and issuing on–site sewage disposal permits and individual well construction permits under certain circumstances and requiring MDE to establish the fees by regulation; authorizing MDE to establish a certain fee for the Responsible Personnel Training Program Certification; requiring MDE to deposit certain fees into the Maryland Clean Water Fund; into the State provide certain information to MDE as a condition precedent to the issuance or renewal of the license; altering certain application fees under the wetlands and waterways program and requiring MDE to issue a public notice of certain adjusted fees in a certain manner; establishing the Private Dam Repair Fund as a special, nonlapsing fund to provide financial assistance for the repair, upgrade, or removal of private dams; authorizing MDE to provide loans from the Private Dam Repair Fund to certain dam owners for certain purposes; requiring the Maryland Water Infrastructure Financing Administration to administer loans from the Private Dam Repair Fund in a certain manner; requiring interest earnings of the Private Dam Repair Fund to be credited to the Fund; requiring certain dam owners to register with MDE; requiring MDE to establish and collect certain registration and permit fees and deposit the fees into the Private Dam Repair Fund; altering certain penalties and requiring penalties for certain dam safety violations to be deposited into the Private Dam Repair Fund; altering certain dam safety requirements; …; altering certain surface mining license and permit fees; and generally relating to fees and penalties assessed, funding provided, and regulation by MDE **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0250F.pdf • **HB**: n/a	➢ **Status:** ◆ **SB**: Hearing 2/11 ◆ **HB**: n/a ➢ **Other**: Would impose annual registration and fees on all dams. Fees go into Private Dam Repair Fund. ◆ **PLM**: Oppose due to 1) increased fees and work for annual dam registration and 2) fees go into fund only available to private dam owners ◆ **MACo**: No position
SB 265/HB 25 **ENVIRONMENT – RESERVOIR AUGMENTATION PERMIT – ESTABLISHMENT** Establishing the Reservoir Augmentation Program in the Department of the Environment; requiring a person to obtain a permit from the Department to perform reservoir augmentation; providing for the issuance, modification, renewal, denial, or revocation of a reservoir augmentation permit under the Program; requiring certain revenues to be used for the operation and oversight of the Program; and generally relating to the establishment of the Reservoir Augmentation Program **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0265F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0025T.pdf	➢ **Status:** ◆ **SB**: Hearing 1/28 ◆ **HB**: Hearing 1/29; passed House w/ amendments ➢ **Other**: Would require for placement of reclaimed water into a surface water reservoir used as a source for a drinking water treatment facility. ◆ Applies to Westminster ◆ *Amendments appear to establish this an official pilot program that would need to be extended in 2029*

Bill + Description	Status + Position
SB 266/HB 286 **LOCAL COMPREHENSIVE PLANNING AND STATE ECONOMIC GROWTH, RESOURCE PROTECTION, AND PLANNING POLICY - PLANNING PRINCIPLES** Altering the planning visions for local comprehensive planning to consist of certain planning principles; altering the State Economic Growth, Resource Protection, and Planning Policy to consist of certain planning principles; requiring the publisher of the Annotated Code of Maryland, in consultation with the Department of Legislative Services, to correct cross–references and terminology in the Code that are rendered incorrect by this Act; and generally relating to local comprehensive planning and the State Economic Growth, Resource Protection, and Planning Policy. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0266T.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0286F.pdf	➢ **Status:** ◆ **SB**: Passed Senate w/ amendments ◆ **HB**: Hearing 2/4 ➢ **Other**: Revises State planning visions for comp plans. ◆ **PLM**: Comp plans will need to incorporate. No red flags but should incorporate ag land preservation/conservation as well due to State goals from 2023 Maryland the Beautiful Act.
SB 290/HB 362 **NATURAL RESOURCES - ROADSIDE TREE REMOVAL PERMIT NOTIFICATION ACT** Requiring an applicant for a roadside tree removal permit to provide certain notice to certain persons in a certain manner; and generally relating to roadside tree removal permits. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0290F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0362F.pdf	➢ **Status:** ◆ **SB**: Withdrawn by sponsor ◆ **HB**: Hearing canceled ➢ **Other**: Requires additional public notification to abutting & adjoining property owners by applicant to permit to cut tree in public ROW. Could create additional costs if done frequently.
HB 340 **CLIMATE CHANGE - ATTORNEY GENERAL ACTIONS, CLIMATE CHANGE RESTITUTION FUND, AND CLIMATE CHANGE RESTITUTION FUND ADVISORY COUNCIL** Authorizing the Attorney General to investigate, commence, and prosecute or defend any suit or action that holds certain entities accountable for tortious or otherwise unlawful conduct that has contributed to climate change; establishing the Climate Change Restitution Fund as a special, nonlapsing fund; establishing the Climate Change Restitution Fund Advisory Council to provide information to the Governor, the Attorney General, and the General Assembly on climate change and the distribution of the Fund; etc. **Bills**: • **SB**: n/a • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0340F.pdf	➢ **Status:** ◆ **SB**: n/a ◆ **HB**: Hearing 2/11 ➢ **Other**: Would create a fund (from penalties for noncompliance by publicly traded coal, oil, or gas entities) to pay for programs that prevent, mitigate, or repair harms caused by climate change. Also, would establish advisory council, which would be required to prepare a report identifying climate change impacts/consequences and how to mitigate them. 1 member from MML. No big red flags.

Bill + Description	Status + Position
SB 430/HB 503 **LAND USE – REGIONAL HOUSING INFRASTRUCTURE GAP (HOUSING FOR JOBS ACT)** Requiring the Department of Housing and Community Development and the Department of Planning to calculate certain regional housing infrastructure gaps; providing for the apportionment of regional housing infrastructure gaps to counties and incorporated municipalities; authorizing local jurisdictions to reduce local housing infrastructure gaps in a certain manner; establishing that certain local jurisdictions have an affirmative obligation to expeditiously approve housing development project applications; etc. **Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit* **Bills:** • **SB:** https://mgaleg.maryland.gov/2025RS/bills/sb/sb0430F.pdf • **HB:** https://mgaleg.maryland.gov/2025RS/bills/hb/hb0503F.pdf	➢ **Status:** ◆ **SB**: Hearing 3/04 ◆ **HB**: Hearing 3/04 ➢ **Other**: Apportions gap in housing units to counties. ◆ Requested by Governor ◆ **PLM**: Concerned w/ metrics for ratio & what they're based on ◆ **MACo**: Support w Amendments ◆ **MML**: Support w Amendments
SB 461 **ENVIRONMENT - MARYLAND WATER QUALITY REVOLVING LOAN FUND - RENAMING AND ALTERATIONS** Renaming the Maryland Water Quality Revolving Loan Fund to be the Maryland Water Quality Improvement Revolving Loan Fund; altering the conditions under which the Maryland Water Quality Improvement Revolving Loan Fund may be used to include supporting certain projects; and requiring the Maryland Water Infrastructure Financing Administration to prioritize certain communities and to use a certain scoring system when creating a certain intended use plan. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0461F.pdf	➢ **Status:** ◆ **SB**: Hearing 3/11 (EEE) ➢ **Other**: Changes name of Fund. Adds types of projects supported. Adds subject to scoring system.
SB 505/HB 532 **LOCAL GOVERNMENT - MUNICIPAL ANNEXATION - PETITION AND REFERENDUM** Allowing a certain redevelopment authority that owns real property in an area to be annexed with fewer than 20 eligible residents to sign a petition for annexation and vote in the annexation referendum. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0505F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0532F.pdf	➢ **Status:** ◆ **SB**: Hearing canceled ◆ **HB**: Hearing 1/30 ➢ **Other**: Applied to charter counties.

Bill + Description	Status + Position
SB 546/HB 768 **MUNICIPAL INCORPORATION - COUNTY COMMISSIONERS OR COUNTY COUNCIL - REQUIRED APPROVAL OF REFERENDUM REQUEST** Requiring a certain organizing committee to make certain determinations and provide a certain report to the county commissioners or county council of a certain county regarding a proposed municipal incorporation; requiring the county commissioners or county council to approve a certain referendum request in a certain manner if a valid petition to incorporate an area as a municipality is presented by at least 40% of the registered voters who are residents of the area proposed to be incorporated; etc. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0546F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0768F.pdf	➢ **Status:** ◆ **SB**: Hearing 2/25 ◆ **HB**: Hearing 2/18 ➢ **Other:** Adds requirements for new municipal incorporation.
SB 732/HB 909 **SEWAGE SLUDGE UTILIZATION PERMITS – PER– AND POLYFLUOROALKYL SUBSTANCES – CONCENTRATION LIMITS** Increasing from $1,000 to $5,000 the maximum amount of a criminal fine or municipal infraction that may be imposed by a municipality to enforce certain ordinances and resolutions enacted by the municipality. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0732F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0909F.pdf	➢ **Status:** ◆ **SB**: Hearing 3/04 ◆ **HB**: Hearing 2/26 ➢ **Other:** Would limit the use of biosolids based on certain PFAS thresholds; would drive up costs significantly. ◆ **MACo**: Letter of Information ◆ **MML**: Oppose ◆ **MAMWA**: Oppose
HB 751 **MUNICIPALITIES - ANNEXED LAND - LAND USE AND DENSITY** Altering the restrictions on a municipality, for a period following an annexation of land, to authorize the development of certain annexed land for certain land uses or certain densities without obtaining the express approval of the county in which the municipality is located; and altering the authority of a municipality to authorize certain land uses or certain densities for certain annexed land with the express approval of the county in which the municipality is located. **Bills**: • **SB**: n/a • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb0751F.pdf	➢ **Status:** ◆ **SB**: n/a ◆ **HB**: Hearing 2/18 ➢ **Other:** Changes basis for BCC waiver of 5-year waiting period to change zoning at certain % difference from zoning to land use designation. ◆ **MML**: Support ◆ **MACo**: Oppose

Bill + Description	Status + Position
SB 820/HB 1506 **MUNICIPALITIES - ENFORCEMENT OF ORDINANCES AND RESOLUTIONS** Increasing from $1,000 to $5,000 the maximum amount of a criminal fine or municipal infraction that may be imposed by a municipality to enforce certain ordinances and resolutions enacted by the municipality. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0820F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb1506F.pdf	➢ **Status:** ◆ **SB**: Hearing 3/04 ◆ **HB**: Rules ➢ **Other:** Increases maximum penalty for municipal infraction from $1,000 to $5,000.
SB 871/HB 1062 **DEPARTMENT OF THE ENVIRONMENT - COMMUNITY WATER AND SEWERAGE SYSTEMS - CYBERSECURITY PLANNING AND ASSESSMENTS** Requiring the Department of the Environment to coordinate, in coordination with the Department of Information Technology and the Maryland Department of Emergency Management, cybersecurity efforts within community water systems and community sewerage systems; establishing the roles and responsibilities of various State agencies with respect to regulating, assessing, and promoting cybersecurity efforts within the water and wastewater sector; etc.* *Bill imposes a local government mandate, which is a directive in a bill requiring a local government unit to perform a task or assume a responsibility that has a discernible fiscal impact on the local government unit* **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0871F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb1062F.pdf	➢ **Status:** ◆ **SB**: Hearing 2/27 ◆ **HB**: Hearing 2/26 ➢ **Other**: Adds cybersecurity awareness components for operators and superintendents. System operator to adopt State cybersecurity standards. Must conduct assessment. Reporting requirements. Require plans to address disruptions. Applies to systems serving >3,300 customers or systems using IT/tech in operation. ◆ **MML**: Oppose ◆ **MACo**: Support w/ Amendments
SB 931/HB 1036 **PUBLIC UTILITIES - GENERATING STATIONS - GENERATION AND SITING (RENEWABLE ENERGY CERTAINTY ACT)** Altering the factors the Public Service Commission must consider before taking final action on a certificate of public convenience and necessity; establishing certain requirements for the construction of a certain solar energy generating station or energy storage device; requiring the Commission to conduct a certain study to establish a process by which the Commission may establish partnerships between electric companies and electricity suppliers for electricity generation projects; etc. **Bills**: • **SB**: https://mgaleg.maryland.gov/2025RS/bills/sb/sb0931F.pdf • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb1036F.pdf	➢ **Status:** ◆ **SB**: Hearing 2/28 ◆ **HB**: Hearing 2/28 ➢ **Other:** Would impose siting standards on locals. Preempts zoning. ◆ **PLM**: Oppose ◆ **MML**: Oppose ◆ **MACo**: Oppose

Bill + Description	Status + Position
HB 1525 **MUNICIPALITIES - ANNEXATION - LIMITATIONS** Prohibiting a municipality from annexing land that is located in a different legislative district than a legislative district in which the municipality is located. **Bills**: • **SB**: n/a • **HB**: https://mgaleg.maryland.gov/2025RS/bills/hb/hb1525F.pdf	➢ **Status:** ◆ **SB**: n/a ◆ **HB**: Rules ➢ **Other:** Prohibits annexing land in a different legislative district.

FYI… *These bills do not appear to either be relevant to or impact the municipalities*:

- **SB 42 ENVIRONMENT - INTERJURISDICTIONAL WATERSHEDS - FLOOD MANAGEMENT**
- **SB 117/HB 131 ENVIRONMENT – BAY RESTORATION FUND – SEPTIC SYSTEM UPGRADE PROGRAM**
- **SB 399 NATURAL RESOURCES - WILDLAND AREAS - OVERHEAD TRANSMISSION LINES**

SB XX XXX **Bills**: • **SB**: XXX • **HB**: XXX	➢ **Status:** ◆ **SB**: ◆ **HB**: ➢ **Other:**
SB XX XXX **Bills**: • **SB**: XXX • **HB**: XXX	➢ **Status:** ◆ **SB**: ◆ **HB**: ➢ **Other:**