

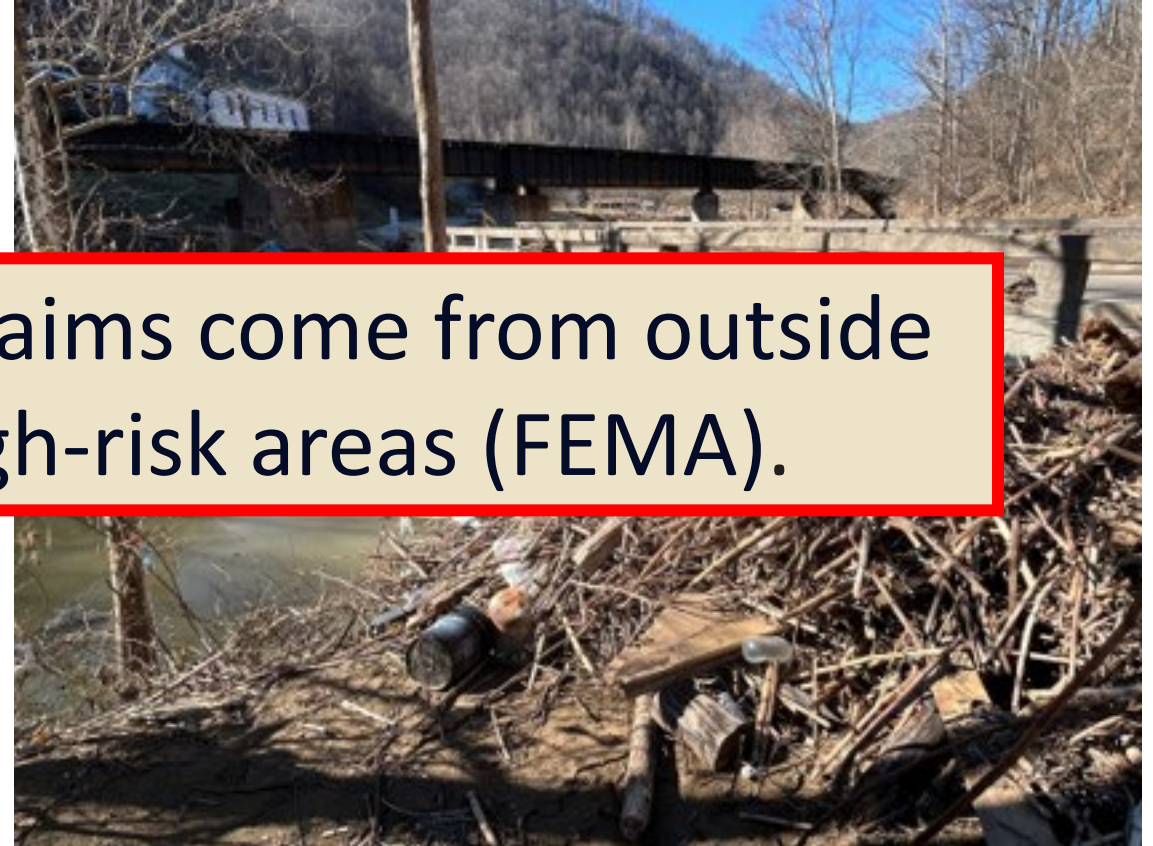
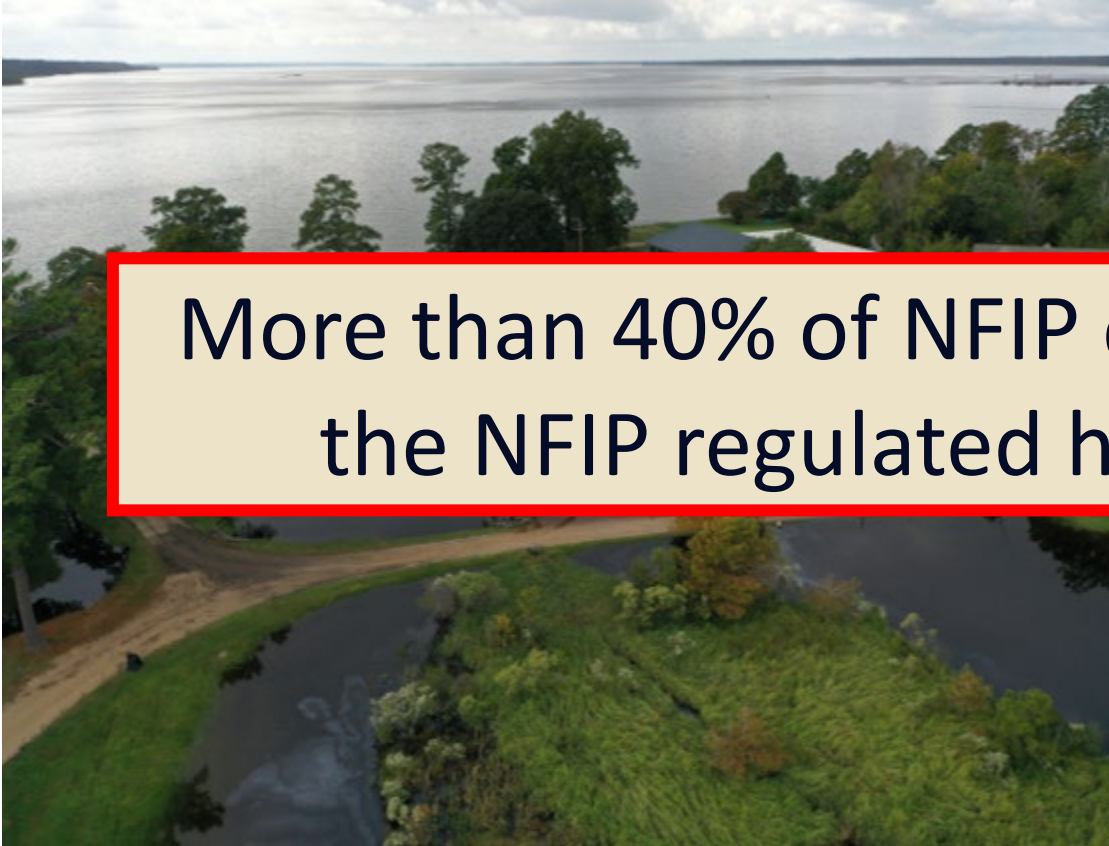
Planning for a Flood-Resilient Future

The Commonwealth's Flood Resilience Master Plans

RVCA Water Infrastructure Working Group Meeting | April 10, 2025



Growing Flood Hazards in Virginia

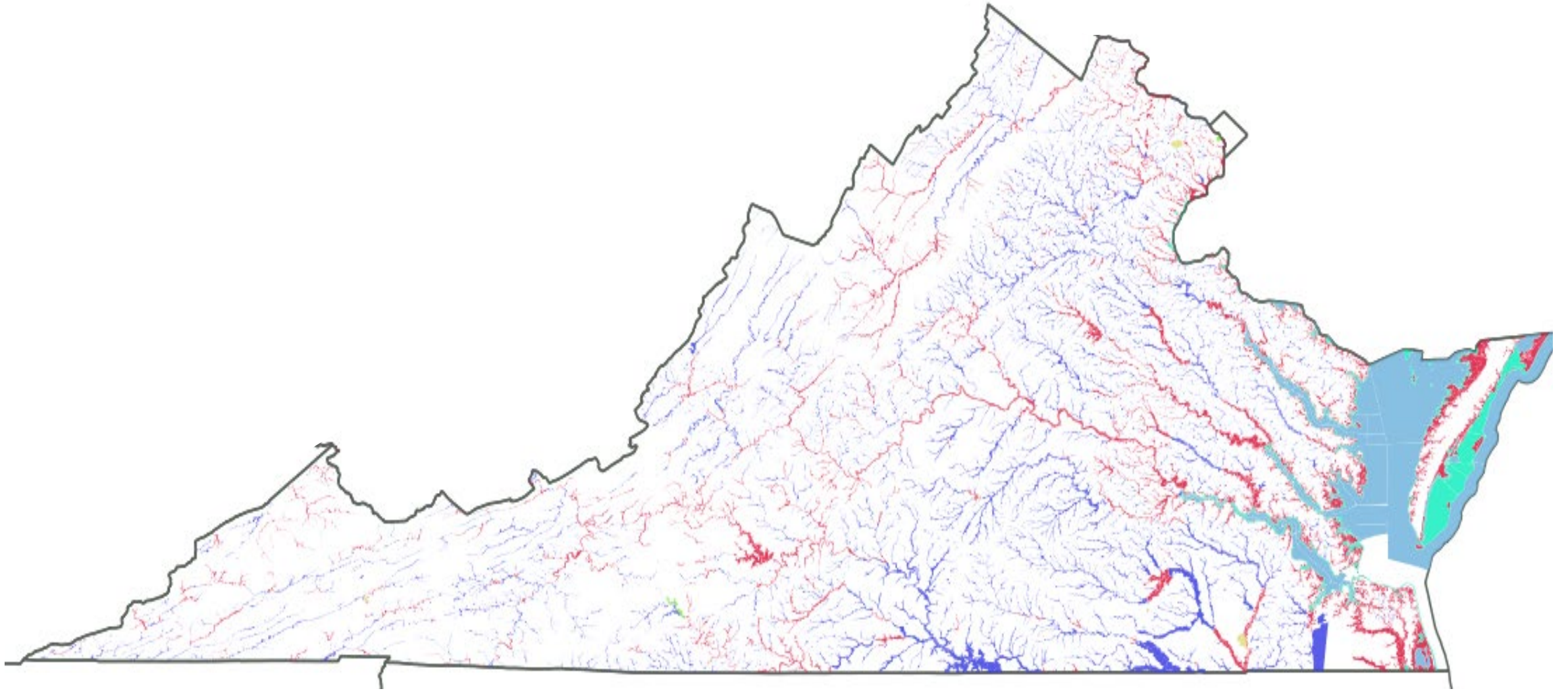


More than 40% of NFIP claims come from outside the NFIP regulated high-risk areas (FEMA).

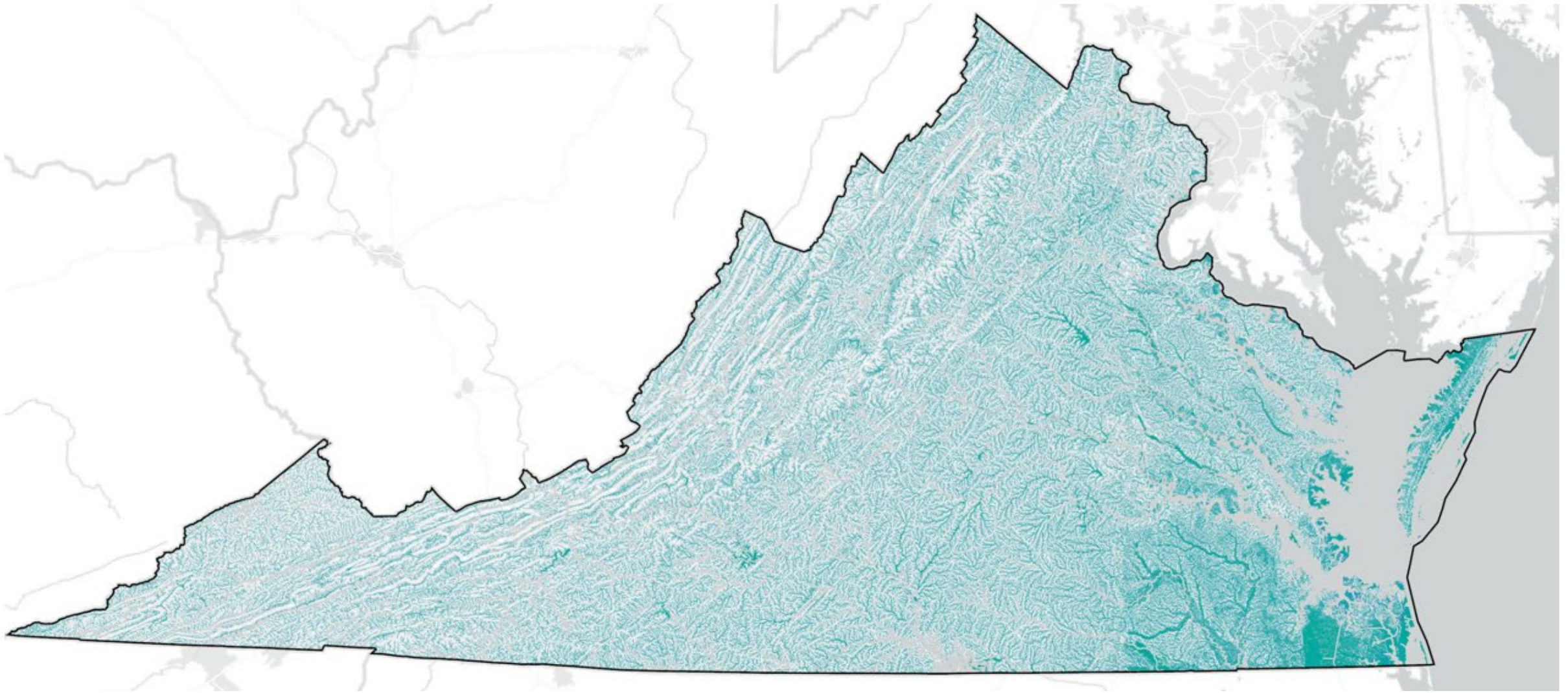
Flooding at Historic Jamestown, Virginia in October 2024 following Hurricane Helene.
Photo by Jamestown Rediscovery Foundation.

Aftermath of 2025 President's Day Weekend flooding in the Town of Hurley, Virginia.
Photo by Virginia DCR.

Regulated Major Flood Extents (1% AEP)



Virginia Flood Protection Master Plan Major Flood Extents (1% AEP)



DCR Office of Resilience Planning

Planning for a flood-resilient future.

What we do: Distribute knowledge and coordinate action to achieve a flood-resilient future for Virginia through informed planning and proactive intergovernmental solutions.

Why we do it: We envision a Virginia where state-led solutions effectively confront present and future flood risks. Through aligned collective action, we will increase resilience and minimize the impacts of flooding statewide.



DCR Office of Resilience Planning

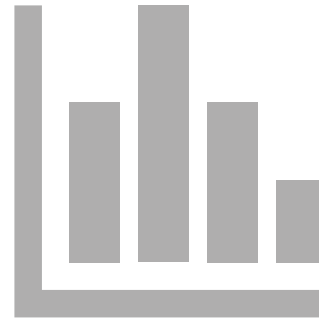
Planning for a flood-resilient future.



**Develop and
Implement
State-led Flood
Resilience Plans**



Coordinate Action



**Supply Data,
Information and
Resources**



**Conduct Outreach
and Engagement**

State-Led Flood Resilience Master Plans

COASTAL RESILIENCE MASTER PLAN

- A trusted resource to assist government entities in making evidence-based decisions to mitigate severe and repetitive flooding.
- Provides a consistent flood hazard analysis.
- Identifies opportunities to prioritize impactful flood resilience solutions.
- Phase I was released in 2021.
- Phase II is in the final stages of development.



VIRGINIA FLOOD PROTECTION MASTER PLAN

- An actionable framework to align and enhance the Commonwealth's policies and programs that mitigate the impacts of flooding on people, the economy, and the environment.
- Identifies strategies informed by a holistic picture of current and future flood impacts across the state, as well as identified gaps in data, resources and capacity.
- Establish flood resilience goals and metrics to track progress toward achieving them.
- In development, target delivery end of 2025.



APPROACH TO STRATEGY DEVELOPMENT

Where we are going

Timeframe: 2025-2045

Vision



Long-term aspirations and desired outcomes for flood risk reduction across Virginia

Goals



Succinct statements of what needs to be accomplished to move towards the Vision

Objectives

Provide the basis for evaluating alternatives and measuring progress towards goals

How we get there

Timeframe: 2025-2030

Strategies

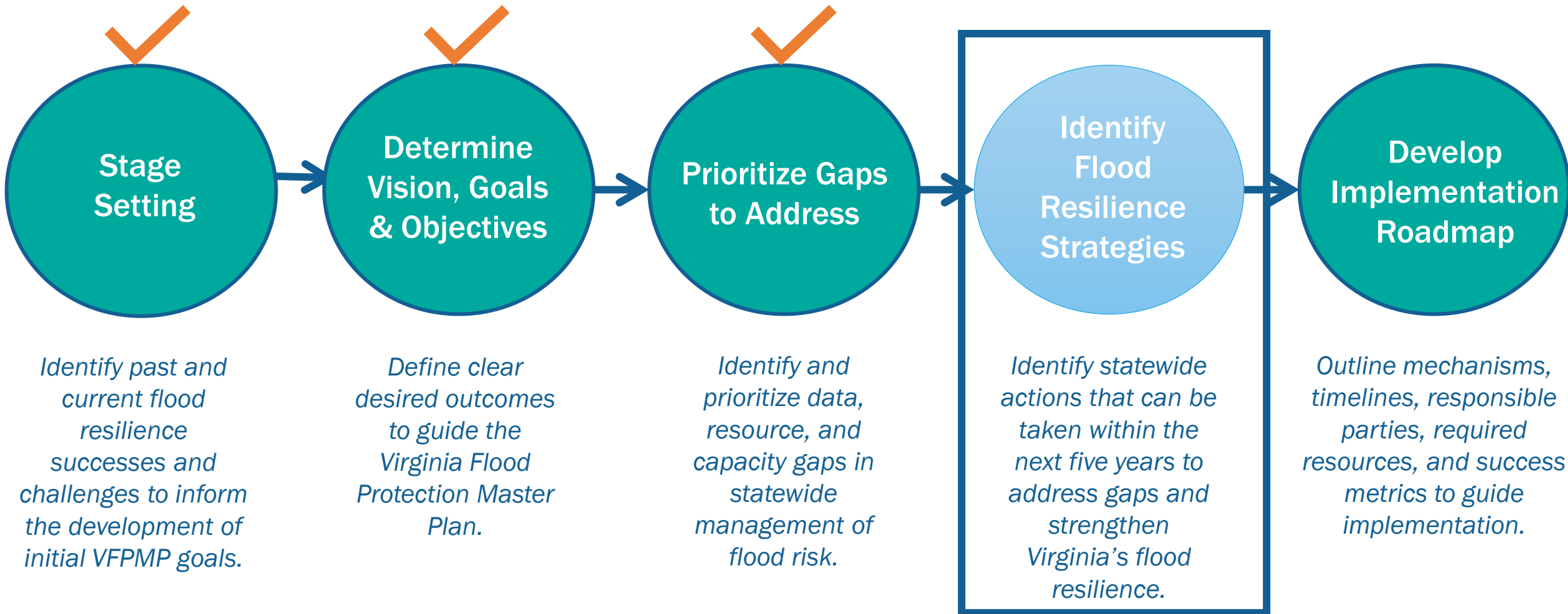


Actionable approaches to address gaps in the current state of practice and advance the plan's goals

Implementation Roadmap

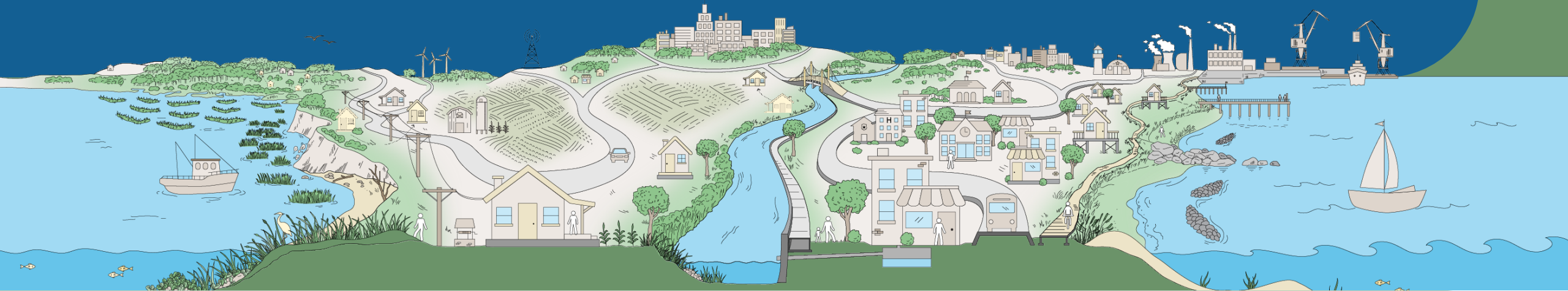
Outline the specific steps and mechanisms to implement the strategies and actions identified

Planning for a Flood Resilient Future in 2025



VISION STATEMENT

A thriving Commonwealth proactively addressing flood risks to further strengthen the resilience of communities, the economy, and the environment now and into the future.



GOALS AND OBJECTIVES



A. Mitigate current and future flood risks statewide.

- A1. Reduce negative effects on human health from flooding.
- A2. Reduce negative impacts to vulnerable populations from flooding.
- A3. Reduce flood damage to buildings and infrastructure.
- A4. Reduce economic disruptions and losses from flooding.
- A5. Reduce negative effects to natural and cultural resources from flooding.



B. Advance lasting and unified strategies to address flood risk.

- B1. Increase understanding of current and potential future flood risks.
- B2. Strengthen the ability to prepare for and manage flood risks.
- B3. Increase the adaptability and effectiveness of flood resilience strategies to potential future conditions and regional interests.
- B4. Increase the return on public investments in flood resilience.
- B5. Increase the accessibility of flood resilience resources, opportunities, and information for all Virginians.



C. Capture additional benefits through flood resilience.

- C1. Improve health and quality of life through flood resilience.
- C2. Boost the economy through flood resilience.
- C3. Enhance the natural environment through flood resilience.

STRATEGIES MUST HELP ADDRESS PRIORITY GAPS

Prioritized Gaps

Coordination among state agencies to streamline flood resilience strategies and reduce redundancies.

Staff capacity and data management resources for coordination between federal, state, and local agencies during events to ensure targeted event response.

Funding resources for long term resilience planning that supports a wide breadth of needs at both the state and local government levels.

Staff capacity and funding resources for additional grant application and management support to local governments.

Access to up-to-date data resources that support long-term flood resilience planning and resource allocation decisions.

Funding resources for asset maintenance.

Community knowledge and capacity to take proactive steps to reduce vulnerability to flooding.

Reliance on non-permanent federal funding posing challenges in sustaining flood resilience programs.

Staff capacity hindering collaboration, technical assistance provision, and funding outreach efforts.

Staff capacity and resources to coordinate technical assistance for funding and program initiatives to address long-term flood resilience goals.

Robust decision-making frameworks and capacities to facilitate long-term planning efforts and resource allocation decisions.

Staff capacity for integration of flood resilience tools.

Staff capacity and resources for interdepartmental data aggregation and coordination for comprehensive flood risk assessments, including those for state-owned assets.

Staff capacity to address and assist with federal and state regulations.

STRATEGY DEVELOPMENT ORGANIZED BY STAKEHOLDER-IDENTIFIED THEMES



Meaningful Coordination

We are actively increasing awareness and understanding of flood resilience efforts across state agencies and programs, leveraging existing coordination bodies to improve flood resilience outcomes.



Enhanced Capacity

We are actively integrating comprehensive staff training and development opportunities with strategic workforce planning to effectively manage and expand flood resilience efforts.



Sustainable Funding

We are actively enhancing flood resilience through strategic financial management of existing and potential funding.



Reliable Data Systems

We are actively acquiring, managing, and sharing flood resilience-related data across agencies to inform decision-making and guide policy and program administration.



Innovative Adaptation

We are actively implementing innovative flood resilience solutions to enhance financial outcomes, adaptively manage both planning and standards, and prioritize Nature-Based Solutions where suitable.



Supported Localities

We are actively enhancing partnerships with localities to preserve assets, expand engagement, provide technical assistance, and develop flood resilience resources and guidance.

Opportunities to Be Involved

- Public Webinars:
 - April 29, 2025: updates on the planning process and draft plan
 - December 2025: updates on the final plan
- Public Survey:
 - May – August 2025
- Public Comment:
 - January 2026
- Sign up for our email list to get updates on these opportunities.
- Learn more at dcr.virginia.gov/VFPMP



www.dcr.virginia.gov/floodstory

Thank you.

Matt Dalon, Program Manager
DCR Office of Resilience Planning



Web

dcr.virginia.gov/resilience-planning

Newsletter

dcr.virginia.gov/signup

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