

Through the Chesapeake Bay Watershed Agreement, the Chesapeake Bay Program has committed to...



Goal: *Stream Health*

Outcome:

Continually improve stream health and function through the watershed. Improve health and function of ten percent of stream miles above the 2008 baseline for the watershed

What we've done

Strategy Review System

- Incorporated Chessie BIBI First Interval (2012–2017) Dataset and Analysis
- Continue work to identify additional non-biological metrics to provide more immediate feedback regarding management actions and complement the Chessie BIBI
- Updated Management Strategy to encourage greater consideration for ecological uplift, resource tradeoffs, and the maintenance of high quality resources

What we're doing now

Data Review and Development of Multi-Metric Stream Health Indicators– Physicochemical Metric Analysis

This project (Phase 3B) will continue to address the question: Following the implementation of management efforts, how is stream health changing, and how can we better characterize the response through non-biological metrics?

- 2024 GIT Funded Project
- Scope of Work was developed and Request for Proposals closes 10/21/24
- Focused on physicochemical metrics that will be added to the existing matrix from Phase 3A

What we're doing now

Literature Review: Building Climate Resilience in Stream Restoration Practices

This literature review seeks to answer the questions:

How do common stream restoration techniques perform when faced with climate change?

What is the long-term resiliency of stream restoration practices?

- 2022 GIT Funded Project
- Stroud Water Research Center will be completing this project
- QAPP has been developed and the kickoff meeting was held in February

What we're doing now

Cross GIT Coordination

- SHWG Co-Chairs met with CRWG and HWGIT chairs to discuss and plan a joint meeting focusing on the science and data informing our outcomes

Possible topics include stream health indicators, stream temperature status and trends, and the effects of landuse/landcover changes on streamflow events.

What we will be doing

Development of Chessie BIBI Second Interval (2018–2023) Dataset and Analysis

- Data call will be issued in late 2024
- Data will be used to further evaluate methods to better synthesize observed and modeled Chessie BIBI results