



Stream Health



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



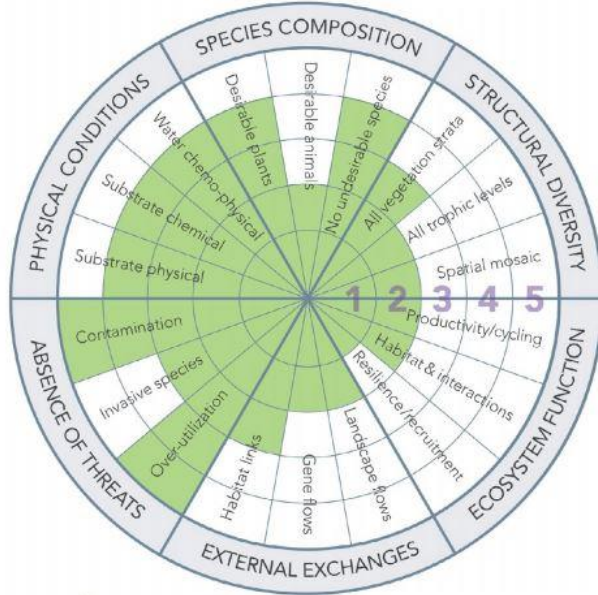
Goal: *Vital Habitats*

Outcome:

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

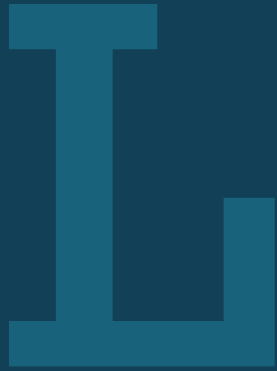


How You Can Help



Society of Ecological Restoration;
Recovery Wheel

- Alternatives to reporting stream miles vs watershed
- Technical support on stream health and functional lift
- Integrating Healthy Watersheds, Forest Buffers, Stream Health...



Learn

What have we learned in the last two years?

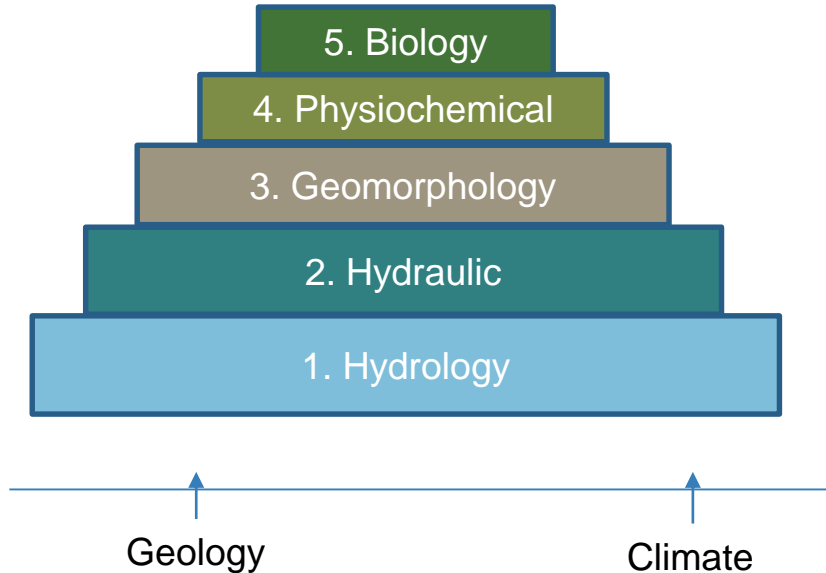


Successes and Challenges

- Coordination with Urban Stormwater Work Group on Stream Restoration Protocols
- Chesapeake Bay Trust Restoration Research
- Maryland Water Monitoring Council
- Mid-Atlantic Stream Restoration Conference



Successes and Challenges

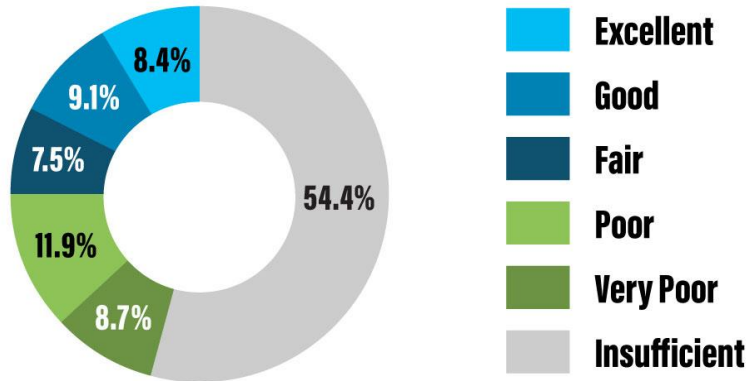


- Progress in permitting of stream corridor restoration projects
- Need to address functional lift beyond nutrients and sediment
- Local impairments and TMDLs



What is our Expected and Actual Progress?

**Stream Health (2006-2011):
Chessie BIBI Subwatershed Ratings**



Chessie BIBI

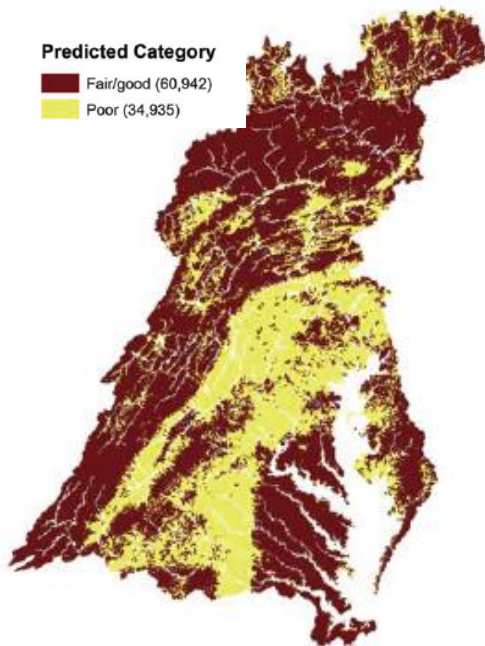
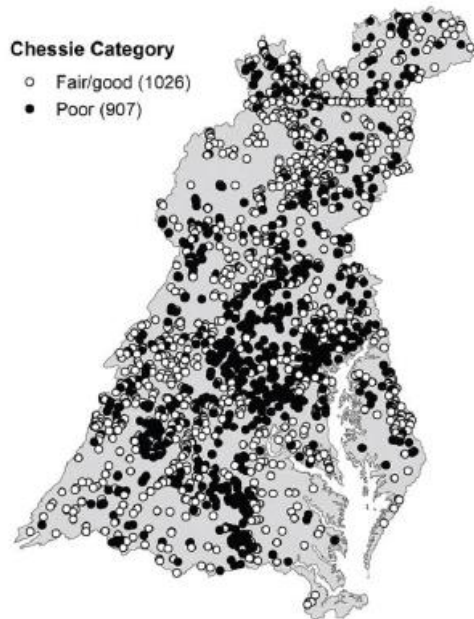
- Workshop April 2018
- Baseline 2006-2011
- Monitoring and modeling

Tracking trends and progress

- Data call for 2012-2017



On the Horizon



Reporting Alternatives

- Stream length:
 - Scale dependent
 - Data gaps
- Catchment area:
 - Spatial models
- Other data



On the Horizon

Consider options for changing outcome:

- From “improve health and function in 10% of stream miles...”
- To “improve stream health and function in 10% of the Chesapeake Bay watershed.”



On the Horizon

Stream Corridor Restoration

- Advancements and lessons learned
- Need to disseminate information through training
- Synthesize the science and identify gaps to improve biological and functional lift
- Other stressors

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Adapt

How does all of this impact our work?



Based on what we learned, we plan to ...



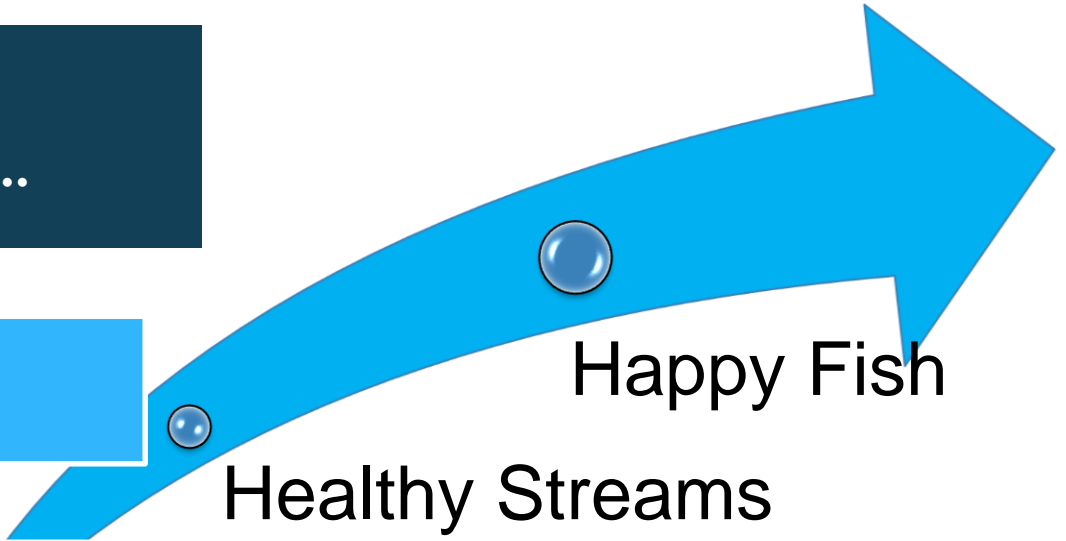
Fish Passage



Good Forest Buffers



Healthy Watersheds



Happy Fish

Healthy Streams

- Communicate with other workgroups
- Seek funding sources to support work
- Refocus workgroup



Help

*How can the Management Board
lead the Program to adapt?*



Help Needed

- Support for BIBI Data call for 2012-2017
- Evaluate options and make recommendations for revising the outcome
- UMCES intern support for stressor white paper
- Data analyst support on stream health and functional lift



Help Needed

- Ensure active participation from all jurisdictions
- Simplify work group reporting to focus on implementing work plan



Discussion