

# STREAM HEALTH WORKGROUP SCIENCE NEEDS

Co-Chair: Neely Law (Center For Watershed Protection)

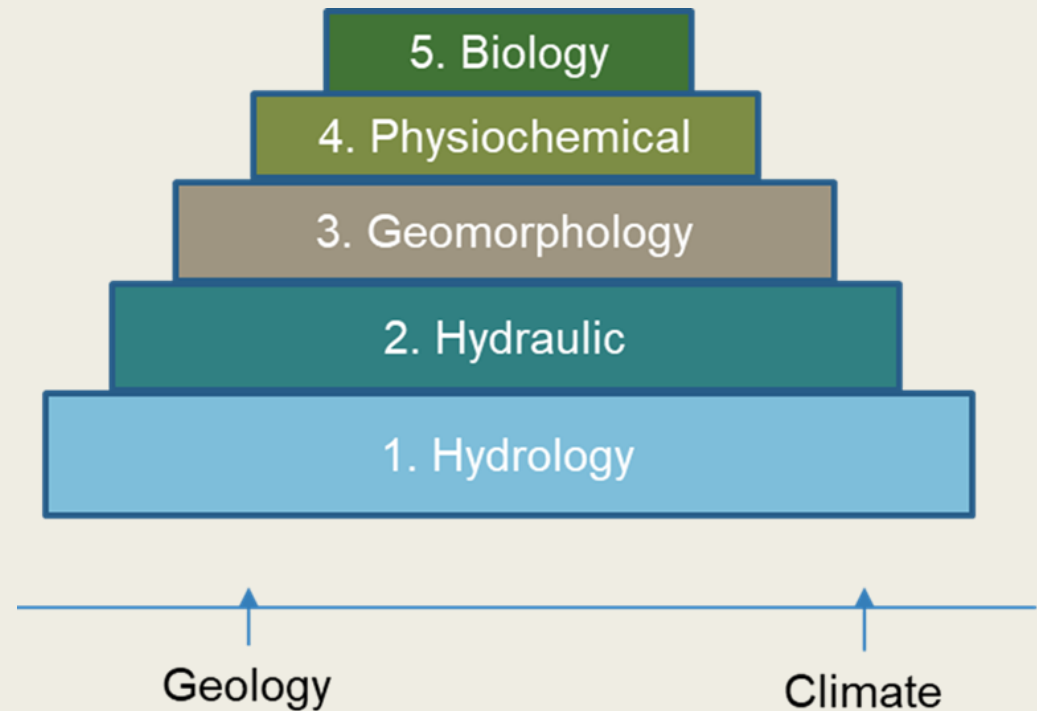
Co-Chair: Matt Meyers (Fairfax County Stormwater  
Management)

Presenting: Scott Phillips (USGS)



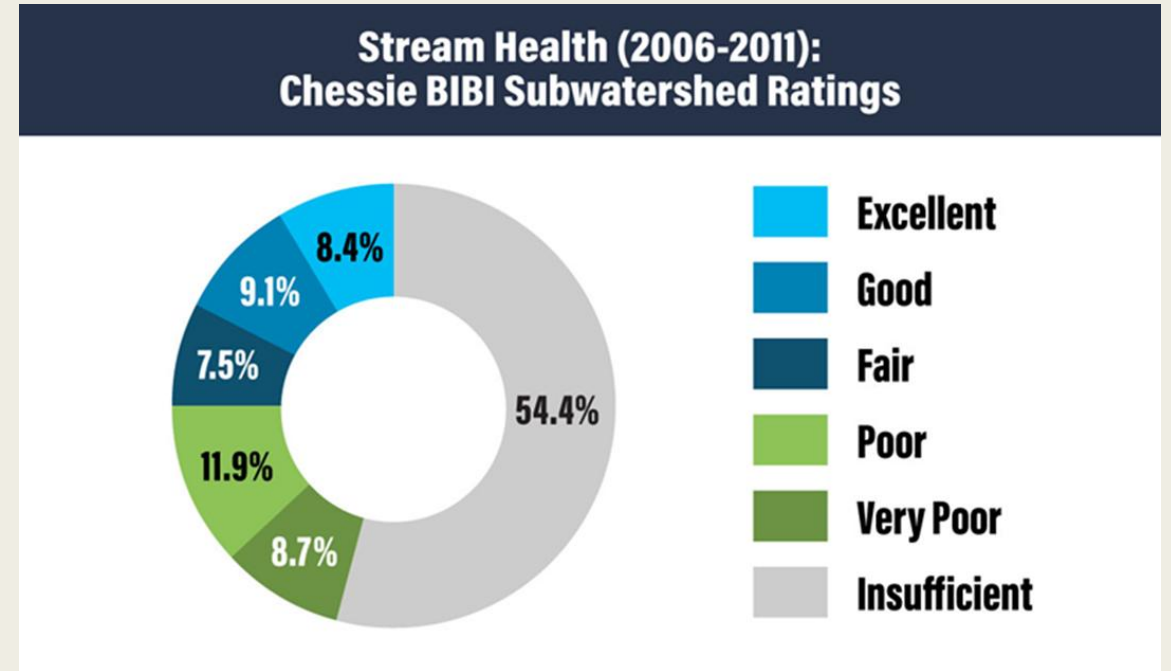
# Science Needs

- Improved tracking of stream health
- Stressors affecting stream health
- Restoration activities and functional lift



# Tracking Progress Towards Stream Health

- **Immediate need:** Finalize protocol for updating ChessieBIBI and reporting data
- **Long term need:** Update the ChessieBIBI on whatever frequency we determine to be feasible and perform analysis



# Stressors Affecting Stream Health

1. What are the stressors affecting stream health?

- How does TMDL overlap with the stressors we identify?
- Stream health goes beyond water quality
- What stressors on stream health overlap with other outcomes and workgroups

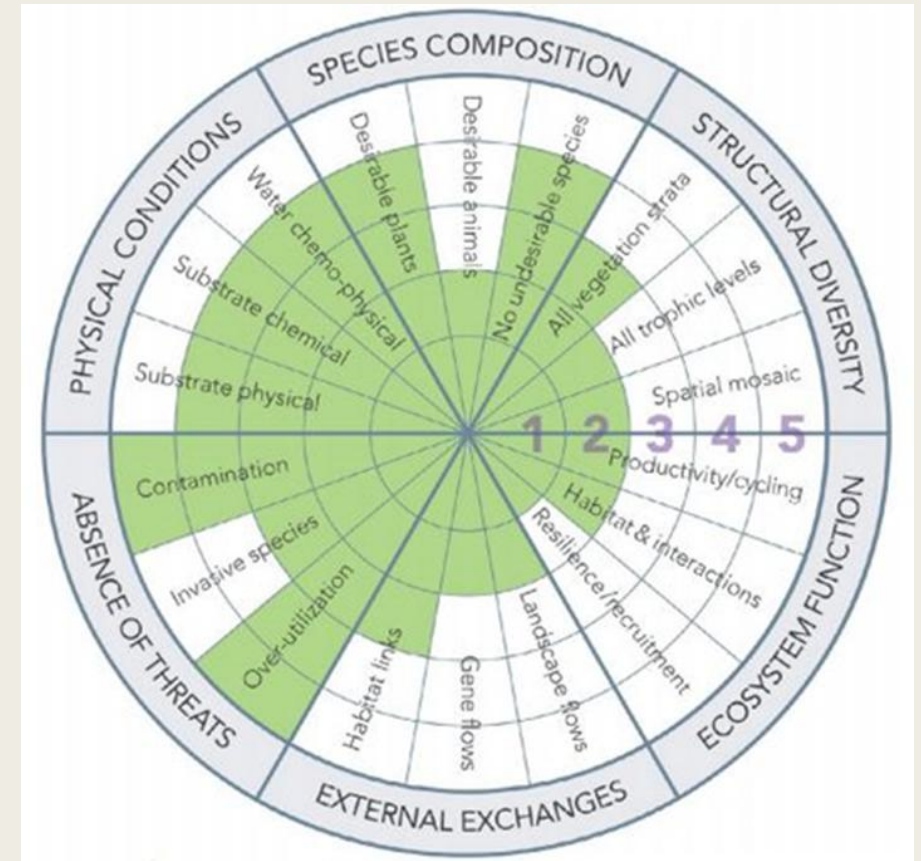
# Stressors Affecting Stream Health

2. What stressors can be managed and what management would be needed?

- Use the Healthy Watersheds Assessment to look at watershed wide stressor management
- Find a balance between in-stream mitigation and watershed-wide mitigation efforts
- How will climate change affect management?

# Stressors Affecting Stream Health

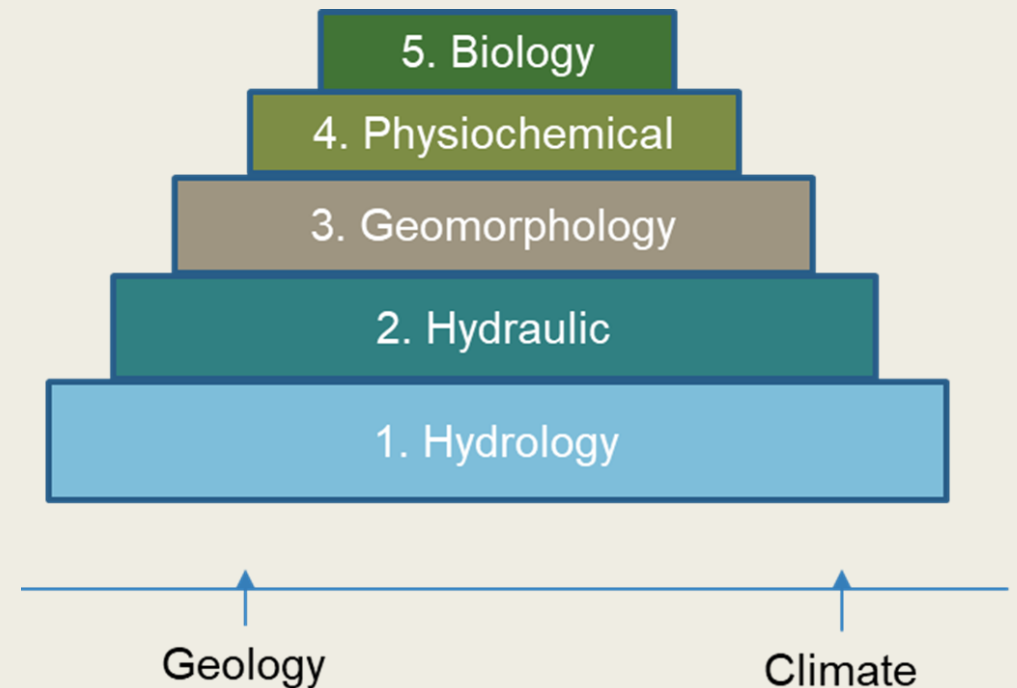
3. How is the stream responding when the stressors are addressed?



Society of Ecological Restoration;  
Recovery Wheel

# Restoration Activities and Functional Lift

- **Immediate need:** Are we moving towards or away from degraded conditions?
- **Long term need:** Why are we seeing these changes in local stream health?



# Contact information:

- Julianna Greenberg (Staffer)  
[Greenberg.julianna@epa.gov](mailto:Greenberg.julianna@epa.gov)
- Neely Law (Co-chair) [nll@cwp.org](mailto:nll@cwp.org)
- Matt Meyers (Co-Chair)  
[mattew.meyers@fairfaxcounty.gov](mailto:mattew.meyers@fairfaxcounty.gov)