Quarterly Progress Meeting - May 2017



Brook Trout Outcome

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Goal: Brook Trout Outcome

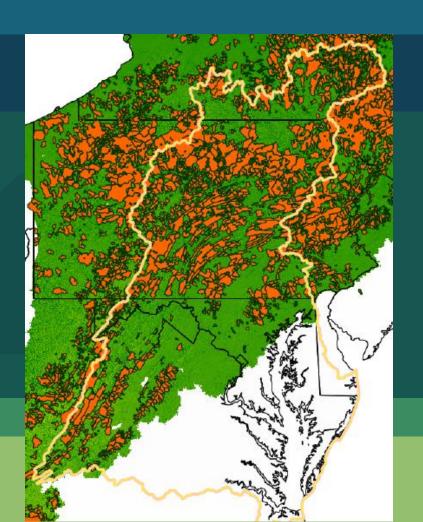


Outcome: Restore and sustain naturally reproducing Brook Trout populations in Chesapeake Bay headwater streams, with an eight percent increase in occupied habitat by 2025.

Occupied Habitat:

Baseline: EBTJV 2015 assessment estimated 13,500 sq. km of allopatric (Brook Trout only) occupied habitat bay wide.

Outcome target: Increase by 1,100 sq. km for a total of 14,600 sq km by 2025.





What We Want



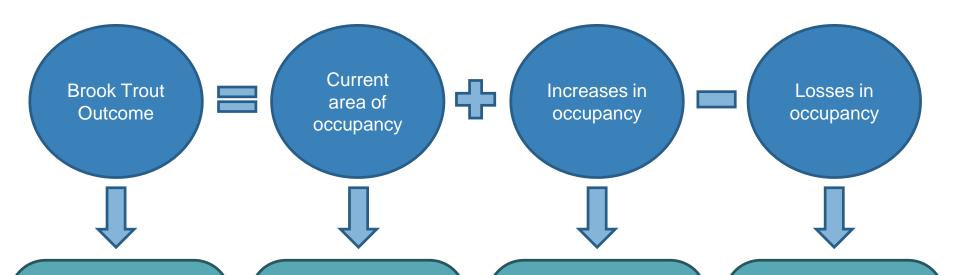


Dedicated Staff/Team
Members to be more
engaged and invested in the
Outcome.



Setting the Stage:

What are our assumptions?



Restore and sustain Brook Trout populations; eight percent increase in occupied habitat

Identify/Protect Priority Habitat

- Re-introduction
- Connecting fragmented habitat
- Mitigate stressors

Increases in Stressors

- Water temperature
- Imperviousness
- Nutrient and sediment loading



Logic Behind Our Outcome

Following the Decision Framework:

Factors

Current Efforts and Gaps

Management Approaches

- Scientific/Technical Understanding
- Partner Participation
- Agency Engagement

- Driver/stressor impacts
 - Climate/Land Use
 - Temperature
 - Sediment
 - Invasives/exotics
- Monitoring support
- Landowner participation

- Identify/communicate priority (best) areas
- Emerging stressors/restoration priorities
- Refine/apply decision support tools (DST)
- Continue/expand monitoring



Progress:

Are we doing what we said we would do?



What is our progress?

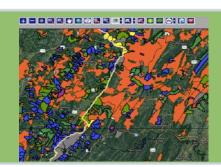


- 9/13 action items completed
- Identified "Best of the Best" Brook Trout patches for conservation/ restoration



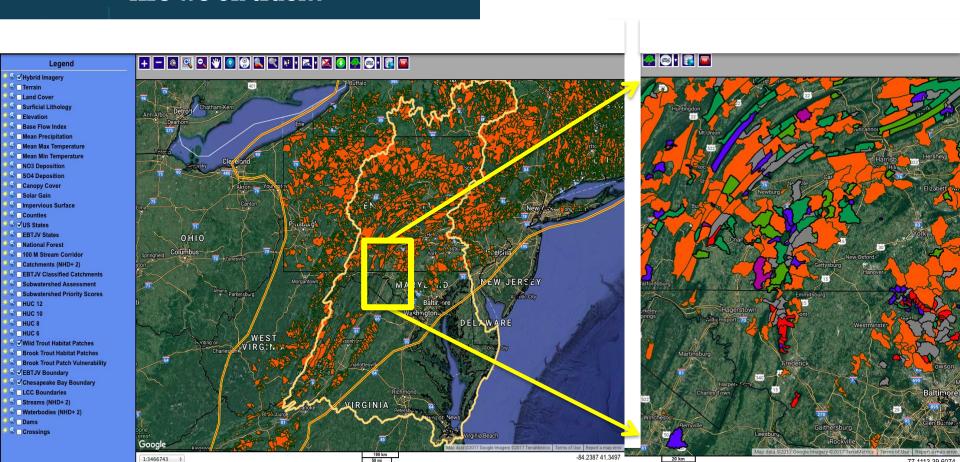
Supporting Restoration Work

- Trout Unlimited –
 Cacapon, Shenandoah,
 James
- Multi-partner (Fed, State, County, NGO's)
 Upper Gunpowder



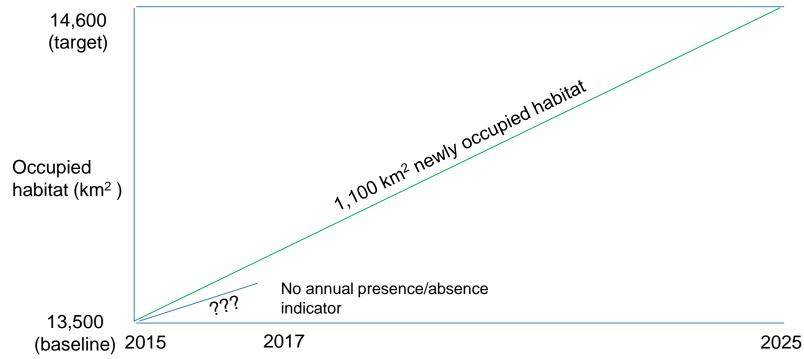
- Updated CB Brook Trout occupancy model in Upper Susquehanna River Basin
- Coordinating with partners - spatially explicit DST

Are we on track?



Are we on track?





Time



Analysis

Discussion Question 2: Which actions were most critical in progress thus far?



Greater coordination and consensus among conservation partners



Integrating the best available science into DST, restoration decisions, monitoring



Identifying and prioritizing "best of the best" areas within each state for both conservation and restoration



Analysis

Discussion Question 3: Which management actions will be the most critical to your progress in the future? Why?



 Coordination between DST and on-theground practitioners, projects



- Identifying key decision-makers at state/local levels to educate/engage
- Monitoring restoration progress/success



- Cross-GIT goal coordination
- Strong engagement, participation among the partners



Challenges:

Are our actions having the expected effect?



Challenges



Limited ability to control stressors



Insufficient resources for partner engagement/monitoring



Limited understanding/access to DST's



Majority of restoration opportunities are on private property



Restoration opportunities not equal among States



Adaptations:

How should we adapt?



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



Improve coordination with partners and local agencies to tie their projects with our Outcome target and CBP priorities



Develop a priority list of streams to re-introduce and restore brook trout to create naturally reproducing populations



Develop a template for communicating "best of best" areas for conservation/restoration efforts



Work with partners to revise work plan to address Challenges including cross-GIT collaboration

Agreement Goals and Outcomes



Sustainable Fisheries

- Blue Crab Abundance
- Blue Crab Management
- Oyster
- Forage Fish
- Fish Habitat



Vital Habitats Goal

- Wetlands
- Black Duck
- Stream Health
- Brook Trout
- Fish Passage
- Submerged Aquatic Vegetation (SAV)
- Forest Buffer
- Tree Canopy



Water Quality Goal

- 2017 Watershed Implementation Plans (WIP)
- 2025 WIP
- Water Quality Standards
 Attainment and Monitoring



Toxic Contaminants Goal

Toxic Contaminants Research
 Toxic Contaminants Policy and
 Prevention



Healthy Watersheds Goal

· Healthy Waters



Stewardship Goal

- Citizen Stewardship
- · Local Leadership
- Diversity



Land Conservation Goal

- · Protected Lands
- Land Use Methods and Metrics Development Land Use Options Evaluation



Public Access Goal

• Public Access Site Development



Environmental Literacy Goal

- Student
- Sustainable Schools
- Environmental Literacy Planning



Climate Resiliency Goal

- Monitoring and Assessment
- Adaptation Outcome





What We Want





Dedicated Staff/Team
Members to be more
engaged and invested in the
Outcome.

Communication/
outreach with key decisionmakers to increase
awareness/opportunities

Support for cross-GIT collaboration, monitoring programs

Discussion