



**Chesapeake Bay Program**  
*Science. Restoration. Partnership.*

# **Draft Management Strategy and Logic Table/Workplan**

*WQGIT 10/9/18 Conference Call*  
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# For Discussion Today

- Review timeline for SRS materials (approved 9/28/18)
- Structure of management strategy and logic table/workplan
- Inclusion of workplan priorities into management strategy and logic table/workplan
- Call for questions and structuring WQGIT two-week review

# Progress so Far: Extended Timeline

- **October 4:** Updated Management Strategy and Logic Table/Workplan--**complete**
- **Oct. 22:** Deadline for WQGIT members, advisory committees, and interested parties to provide comments
- **Oct. 29-Nov. 3:** CBPO respond to comments and revise strategy and logic table/workplan accordingly.
- **Week of Nov. 5:** Compiled comments, responses and revised materials to WQGIT.
- **November 13:** Seeking formal approval at WQGIT conference call; begin 20 day public input and Management Board review
- **December 6:** Management Board notified of final materials

# SRS Structure and the WQGIT

- Critical **Factors** influencing ability to achieve 2025 WIPs
- Document **Current Efforts** to address factors
- Assess **Gaps** in current efforts that prevent addressing factors
- Partnership-specific **Management Approaches** to fill gaps and address factors
  - No jurisdiction or agency-specific commitments
- Workplan items capture what WQGIT and CBPO are already working on or plan to address

# SRS Structure and the WQGIT

- Management Strategy:
  - Narrative describing factors, current efforts and gaps
- Logic Table:
  - Listed factors, current efforts, gaps from strategy
  - Adds key actions
- Workplan:
  - Key actions from logic table
  - Details performance targets, responsible parties, timelines and geographic location(s)

Factor	Current Efforts	Gap	Actions (critical in bold)	Metrics	Expected Response and Application	Learn/Adapt
<i>What is impacting our ability to achieve our outcome?</i>	<i>What current efforts are addressing this factor?</i>	<i>What further efforts or information are needed to fully address this factor?</i>	<i>What actions are essential to achieve our outcome?</i>	<i>Optional: Do we have a measure of progress? How do we know if we have achieved the intended result?</i>	<i>Optional: What effects do we expect to see as a result of this action, when, and what is the anticipated application of these changes?</i>	<i>Optional: What did we learn from taking this action? How will this lesson impact our work?</i>
1. Continuing to enhance and sustain the capacity of local governments and the private sector to implement practices	Continued funding and technical assistance support for BMP implementation, tracking, verifying, and reporting through voluntary and regulatory (NPDES permits) measures	Connecting water quality practices to other local priorities (co-benefits); continuous and stable funding stream to support implementation efforts; strengthened coordination between federal, state and local levels	<b>L1, L2, S6</b>	<p>METRIC EXISTS: Consistent grant administration is one measure of progress:</p> <p>Fed:</p> <ul style="list-style-type: none"> <li>• CBRAP</li> <li>• CBIG</li> <li>• CREP</li> <li>• MACS</li> </ul> <p>State:</p> <ul style="list-style-type: none"> <li>• Trust Fund</li> <li>• BRF</li> <li>• Open Space</li> </ul> <p>Reports on dollars spent, results achieved in reductions (N,P,TSS)</p>	State funding efforts for cover crops is one example: certification each year and expenditure figures attest to program implementation. See <b>example</b> .	Successful and popular program, reinforces education; High level of buy in. Costly investment by the State.

## WORK PLAN ACTIONS

**Green** – action has been completed or is moving forward as planned.

**Yellow** - action has encountered minor obstacles.

**Red** - action has not been taken or has encountered a serious barrier.

Action #	Description	Performance Target(s)	Responsible Party (or Parties)	Geographic Location	Expected Timeline
<b>Management Approach 1: WIPs, and Two-Year Milestones to reach attainment of target loads to reduce N, P, and sediment provided in the Chesapeake Bay TMDL.</b>					
<b>1.1</b>	Support the development and implementation of Phase III WIPs.	Draft and final Phase III WIPs	Jurisdictions, WQGIT and source sector workgroups, EPA, CBPO, STAR, Habitat GIT, co-benefit GITs	Chesapeake Bay Watershed and jurisdictions	Draft Phase III WIPs due April 12, 2019 and final Phase III WIPs due August 9, 2019

# Workplan Priorities Approved

- BMP verification program implementation
- Climate change – climate resilient BMPs
- Development of the Phase III WIPs
- Technical Assistance & Funding
- Optimization system; BMP co-benefits

# Workplan Priorities Not Approved

- **Conowingo WIP**

- Conowingo WIP developed through PSC-appointed steering committee
- Remains a priority; WQGIT is NOT responsible party and will be tracked in workplan for informational purposes only

- **Monitoring trends data and explanations**

- Will address through WQ Standards Attainment and Monitoring outcome instead of 2025 WIP outcome



# Relevant Workplan Priorities

- BMP verification program implementation
- Climate change – climate resilient BMPs
- Development of the Phase III WIPs
- Technical Assistance & Funding
- Optimization system; BMP co-benefits
- Conowingo WIP (Tracking Steering Committee)

# Factors Influencing Success 2017 & 2025 WIP Outcomes

## **A. Implementation of Practices**

1. Continuing to sustain the capacity of governments and the private sector to implement practices
2. Delivering the necessary financial capacity to implement practices and programs

# Relevant Workplan Priorities

- BMP verification program implementation
- Climate change – climate resilient BMPs
- Development of the Phase III WIPs
- Technical Assistance & Funding
- Optimization system; BMP co-benefits
- Conowingo WIP (Tracking Steering Committee)

# Factors Influencing Success

## 2017 & 2025 WIP Outcomes

### B. Improved Technical Information

3. Improving the identification of sources and their contributions to nitrogen, phosphorus and sediment pollutant loads
6. Quantifying the reductions from pollution control practices and verifying their continued performance
7. Enhancing the next generation of decision support tools (Phase 6 & Phase 7; Optimization Tool)
8. Reviewing and updating historical implementation data that has been submitted by the jurisdictions to the CBP partnership, confirming that BMPs are still in place and ensuring that accurate information is included in the modeling tools. Completed. **Ongoing updates of historical implementation with two-year milestones and annual progress submissions**
10. **The Management Board directed the WQGIT to consider co-benefits for a selected set of CBP outcomes: Improving Habitats; Reducing Toxic Contaminants; Conserving Lands; Addressing Climate Resiliency; Public Access**

# Relevant Workplan Priorities

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# Factors Influencing Success

## 2017 & 2025 WIP Outcomes

### C. Response of Water Quality Conditions to Management Practices

12. Factoring in effects from continued climate change
13. Assessing the implementation potential of filter feeders for nutrient and sediment reductions
14. Examining the impact the lower Susquehanna dams have on the pollutant loads to the Bay, including changes over time. **Assessments have been completed; factor evolving to addressing impacts from lower Susquehanna dams (e.g. Conowingo WIP)**
15. Conducting a detailed multi-year assessment of chlorophyll in the tidal James River using augmented monitoring and modeling approaches. **Assessment complete; factor evolved to addressing chlorophyll in tidal James.**



# Other Updates to SRS Materials

# Water Quality Standards Attainment and Monitoring Factors (STAR)

4. Develop a business strategy for sustaining and growing monitoring programming that supports information needs
5. Support the use of new data streams having classified their integrity
9. Support the ongoing need for synthesis and communications of science findings and needs
11. Understanding the factors affecting the ecosystem response to pollutant load reductions to focus management efforts and strategies



# Other Revisions to Strategy

## **Current Efforts:**

- State-specific WIP commitments have been removed, replaced with links to WIP webpages
- Updated Efforts to address the WQS Attainment and Monitoring Outcome (Peter Tango)
- Completed calibration of Phase 6 modeling tools
- Completed assessment of Conowingo
- Updated references to WIP Fact Sheets, ecosystem services cross-GIT project

## **Other Updates:**

- Updating date references
- Minor formatting/grammar updates
- Milestones references for workplan development removed

# Structuring Review

- Use Word Track Changes, rename files with name or agency and date of revisions
- Specific suggested language is appreciated
- Guiding Review: focus on logic table/workplan
  - Should any key actions or performance targets be removed or added?
  - Are performance targets, responsible parties and timeline reasonable?
- Conflicting comments will be compiled and presented to the WQGIT for review and decision

# Structuring Review

- **Deadline: COB October 22**
- Please contact Michelle Williams ([Williams.michelle@epa.gov](mailto:Williams.michelle@epa.gov)) and Allie Wagner ([wagner.Alexandra@epa.gov](mailto:wagner.Alexandra@epa.gov)) with questions, comments and suggested edits.
- Questions on Water Quality Standards, Attainment and Monitoring should be sent to Peter Tango ([ptango@usgs.gov](mailto:ptango@usgs.gov)).



Questions?