

Final Agenda

**The Chesapeake Bay TMDL's Midpoint Assessment
WQGIT Meeting
October 7-8, 2014
Liberty Mountain Resort**

Tuesday, October 7

10:00 am	Welcome & Introductions	Jenn Volk (DE), WQGIT Chair
10:15 am	Goals for the Meeting <ul style="list-style-type: none">A. Clarify overall priorities, identify steps to move forward, and outline scheduleB. Clarify overlaps and intersections among MPA work effortsC. Decisions needed during this meeting<ul style="list-style-type: none">1. New Phase 6 Land Use Classifications2. Land use projections for 2014 progress3. Confirmation of MPA Priorities: Agreement on overall MPA schedule and decision making process; refinements to be identified and agreed upon	James Davis-Martin (VA), WQGIT Vice-Chair
10:30 am	Midpoint Assessment Timeline, Major Elements, and Related Work <ul style="list-style-type: none">A. Watershed-wide Progress Snapshot: 1985-2025 and where we are todayB. Review of 2012 WQGIT Face-to-Face Meeting Decisions, Schedule, and ActionsC. Schedule and Timeline of Midpoint Assessment Priorities and Related Work (Management Strategies & Verification)	Lucinda Power (EPA), WQGIT Coordinator
11:15 am	MORNING BREAK	
11:30 am	Modeling Workgroup, WQGIT & STAR: Roles and Responsibilities in Midpoint Assessment <ul style="list-style-type: none">A. Clarify role of WQGIT, Modeling Workgroup, and STAR in midpoint assessment decision-making processB. Understand what decisions will be decided by whom	James Davis-Martin (VA), WQGIT Vice-Chair and Lee Currey (MD), Modeling Workgroup Co-Chair, Scott Phillips (USGS), STAR

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C. Articulate clear communication and coordination processes

Decision Point: WQGIT agreement on the different roles of the WQGIT, Modeling Workgroup, and STAR throughout the MPA process.

12:00 pm LUNCH DAY ONE

Presentation & Discussion of Midpoint Assessment Priorities: Lead, Overview, Status, Schedule, Decision Points, Dependencies, Discussion, and Where to find more details

1:00 pm	<p>Use of Monitoring / Factors Affecting Trends</p> <p><i>Purpose:</i> STAR and the CBP monitoring team will discuss progress to date and next steps on the use of monitoring data in nontidal streams and in the estuary to measure progress and work underway to analyze trends of nitrogen, phosphorus, and sediment in the watershed.</p> <p><u>Decision Point:</u> WQGIT agreement on how and when the partners will factor in findings from the ongoing “Explaining Trends” work.</p>	Scott Phillips (USGS), Jeni Keisman (USGS), and Joel Blomquist (USGS)
2:00 pm	<p>Revising Modeling System Structure – Phase 6</p> <p><i>Purpose:</i> The Modeling Workgroup and the CBPO Modeling Team will discuss efforts to date in transitioning to a PQUAL Model and improving model accuracy of the hydrologic network, with the overall objective being to ensure the land use input load/export sensitivities are set in a reasonable manner and it provides loads to the tidal Bay and state-basin loads similar to Phase 5.3.2. The ways in which enhancing these decision support tools will improve transparency, accuracy, and confidence will also be discussed.</p> <p><u>Decision Point:</u> WQGIT approval on approach and schedule to complete and calibrate the Phase 6 model.</p>	Dave Montali (WV), Modeling Workgroup Co-Chair and Gary Shenk (EPA)
3:00 pm	AFTERNOON BREAK	
3:15 pm	<p>Improve Land Use</p> <p><i>Purpose:</i> The Land Use Workgroup has developed a master list of proposed new</p>	Karl Berger (MWCOCG) and Jenny Tribo

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land uses for Phase 6. This involves backcasting land use over the calibration period for the Watershed Model and forecasting land use to 2017. An update on local land use information received to date; future land use projections; and progress on developing federal land boundaries will also be provided. This work has significant implications for assisting state and local jurisdictions with WIP implementation (states/locals sharing and confirming data) and reporting of progress (improved accuracy of data).

(HRPDC), Land Use Workgroup Co-Chairs and Peter Claggett (USGS), Land Use Workgroup Coordinator

Decision Point: WQGIT approval of new land use classifications, recognizing these classifications are subject to further refinement during model calibration.

Decision Point: WQGIT decision on land use projections for 2014 progress.

4:30 pm

Day One Wrap Up

- A. Review of Day One Decisions
- B. Jurisdictions, EPA, CBC, and Workgroup Chairs share their insights from the day's discussions
 - 1. Key take-away messages
 - 2. Questions and/or concerns
 - 3. Follow up actions

Jurisdictions, EPA, CBC, and Workgroup Chairs

5:00 pm

Social Gathering

All

Wednesday, October 8

9:00 am

Welcome & Review of Day Two

Jenn Volk (DE), WQGIT Chair

Presentation & Discussion of Midpoint Assessment Priorities: Lead, Overview, Status, Schedule, Decision Points, Dependencies, Discussion, and Where to find more details

9:05 am

Trapping Capacity of Dams and Local Impoundments

Purpose: Lew Linker will discuss the status of the Modeling Workgroup's collaboration with the US Army Corps of Engineers Lower Susquehanna River

Lew Linker (EPA), Modeling Workgroup Coordinator

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Watershed Assessment study for the assessment of trapping capacity behind dams, especially the Conowingo, as well as greater representation of local impoundments and reservoirs throughout the Phase 6 Watershed Model domain.

Decision Point: *WQGIT approval of the path forward and an understanding of needed future specific decisions in order to reduce the level of water quality standards impairment in the Chesapeake Bay due to Conowingo Dam/reservoirs reaching dynamic equilibrium.*

9:45 pm	Tidal James River Chlorophyll-a Water Quality Standards Reevaluation <i>Purpose: An update will be provided on the status of the James River Chlorophyll-a criteria assessment. This assessment will determine the criteria necessary to meet water quality standards in the James River.</i> <i>Decision Point: WQGIT approval of the path forward and an understanding of Virginia-specific and partnership-oriented future decisions.</i>	Arthur Butt (VA)
10:15 am	Model Data Processing & Modeling Baseline <i>Purpose: The Ag Modeling Subcommittee (AMS) of the Agriculture Workgroup is working on the development of new datasets to enable and support enhanced analyses and decisions. Updates to fertilizer and manure application are areas of particular focus. The AMS has prioritized the list of potential updates to Scenario Builder based on their impact on modeled nutrient and sediment loads and are currently discussing land use definitions.</i> <i>Decision Point: WQGIT approval of the path forward and an understanding of the roles/responsibilities of the Ag Modeling Subcommittee, the Modeling Workgroup, and others within the partnership to work through the full list of updates.</i>	Curtis Dell (USDA), Agricultural Modeling Subcommittee Chair and Matt Johnston (UMD), Agricultural Modeling Subcommittee Coordinator
11:00 am	MORNING BREAK	
11:15 am	Watershed Model Calibration Methods <i>Purpose: The Modeling Workgroup will discuss revisiting the Watershed Model calibration methods with the goal of improving local watershed results,</i>	Lee Currey (MD), Modeling Workgroup Co-

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including revisiting regional factors. This work also includes activities to extend the simulation period and to revise the Airshed and Water Quality Sediment Transport Models.

Chair, Gopal Bhatt
(Penn State), Gary
Shenk (EPA)

Decision Point: WQGIT approval of the path forward and an understanding of forthcoming decisions and the underlying schedule.

12:00 pm LUNCH DAY TWO

1:00 pm

Historic Data Cleanup

Purpose: The Bay jurisdictions, under the leadership of the Watershed Technical Workgroup and the CBPO Modeling Team, are actively working to clean up the historical record of BMP implementation. An overview of the schedule driving this work, and how it relates to the schedule for the Phase 6 calibration, will be discussed.

Ted Tesler,
Watershed
Technical
Workgroup Chair

Decision point: WQGIT agreement on the schedule for historical data cleanup, particularly as it relates to the Phase 6 Watershed Model calibration and partnership decisions/guidance needed by the jurisdictions to carry out their historic data clean ups.

1:30 pm

Atmospheric Deposition

Purpose: The Phase 5 precipitation, meteorology, and atmospheric deposition data covered the period 1984-2005. In order to take advantage of intensive shallow water estuarine data, new watershed stations, and recent Conowingo dam data, Lew Linker will discuss how the watershed and airshed simulation will need to be extended.

Lew Linker (EPA),
Modeling
Workgroup
Coordinator

Decision Point: WQGIT approval of the path forward and forthcoming decisions.

2:00 pm AFTERNOON BREAK

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2:15 pm	<p>Climate Change</p> <p><i>Purpose: EPA and other partners are developing the tools to quantify the effects of changes in watershed flows, storm intensity, and changes in hypoxia due to increased temperatures and sea level rise in the estuary. Current efforts are to frame an initial future climate-change scenario based on estimated 2050 conditions. Conditions to be described include land use, rainfall, air temperature, water temperature, sea level rise, and wetland loss due to sea level rise.</i></p> <p><i>Decision Point: WQGIT approval of the path forward and an understanding of the future decisions needed to determine how and when the partnership will incorporate consideration of climate change conditions within WIP implementation.</i></p>	Lew Linker (EPA), Modeling Workgroup Coordinator
2:45 pm	<p>Decisions/Next Steps</p> <p>A. Review of decisions</p> <p>B. Discussion of next steps</p> <p>C. Future WQGIT meetings:</p> <ol style="list-style-type: none">1. 2017 Progress Evaluation2. Expectations for Phase III WIPs3. Possible Modifications to WIP Planning Targets & Bay TDML4. 2025 Land Use Projections5. BMP Verification	Jenn Volk (DE), WQGIT Chair
3:00 pm	<p>Meeting Concludes – Thank you!</p>	