

# Water Quality Goal Implementation Team (WQGIT) Meeting April 2023

## Meeting Chat

from Jackie Pickford, CRC (she/her) to everyone: To confirm your Wastewater Treatment WG representative, please reach out to me (pickford.jacqueline@epa.gov)

from Rachel Felver to everyone: They'll have them by tomorrow for review.

from Jill Whitcomb, PA DEP to everyone: Can the June 22 meeting go on our calendars as a "hold" from CBPO?

from Jackie Pickford, CRC (she/her) to everyone: The BMP Verification Ad-hoc Action Team final report and suggestions document has been finalized. I'll send it out to the WQGIT by the end of the week and we will be presenting on it during our May call

from Jackie Pickford, CRC (she/her) to everyone: Phase 7 model development homepage:  
<https://www.chesapeakebay.net/what/programs/modeling/phase-7-model-development>

from Jackie Pickford, CRC (she/her) to everyone: Please enter any questions or comments for the Phase 7 presenters in the chat box rather than verbally. Thank you!!

from James Martin, Va DCR to everyone: what will be used for the forecast of solar?

from KC Filippino to everyone: Should the LUWG and associated WGs work through the exploration of where and how new classes roll up?

from Bryant Thomas VA DEQ to everyone: Can you provide details on the significance of "back casting" that was referenced (e.g. what will the back-casting be used for)?

from Jeremy Hanson to everyone: and just a note that Lew is covering a third topic (airshed model) we didn't list on the agenda

from Gary Shenk to everyone: @Bryant - The back casting is needed for the watershed model. Since the primary purpose of the watershed model is to estimate change in load, we need a consistently-generated history of land use

from Gary Shenk to everyone: @KC - my take on rolling up land uses is that the various users of the land use data will roll it up differently. CAST may use an aggregation that doesn't work for the resource lands assessment, for example

from James Martin, Va DCR to everyone: @Gary - who should make roll up decisions for CAST/P7 WSM?

from KC Filippino to everyone: @Gary, thanks but doesn't it have to roll up for loading rate purposes? Definitely users will want to use the data for other purposes, but not for CAST purposes, right? James's question is what I'm getting at.

from Gary Shenk to everyone: @James/KC - Ultimately, the WQGIT, but I think it's complicated. The Ag Modeling Team will have a recommendation for agriculture, USWG for developed land uses. The modeling workgroup will have input into what is possible.

from pclagget to everyone: @James ... The Chesapeake Conservancy has developed a time series of solar installations from 2017 - present. In addition, the STAC Solar workshop identified a few key datasets to accurately predict future solar development that have to do with interconnection potential on the grid.

from Jeremy Hanson to everyone: Since Peter T. is calling in we can be sure to pass any questions from the chat to him if needed, though Rebecca Murphy and others are here who can also answer your questions

from James Martin, Va DCR to everyone: Thanks Peter. Virginia has a declared target for solar in terms of MW generation which can be used to reasonably estimate acres. I suspect other states do too. Those targets should be set as caps on solar development into the future.

from James Martin, Va DCR to everyone: @Lew - Is the plan still to have multiple Basin specific models feeding into the main Bay model?

from pclagget to everyone: @James- agree that the state MW targets should set the bounds. I had a few recent discussions with Mike Rolband about this.

from Jill Whitcomb, PA DEP to everyone: If you take the download of the data and then show what is not considered meeting the standards and highlight the data that isn't used?

from Jill Whitcomb, PA DEP to everyone: So that we know what is and is not included?

from Jill Whitcomb, PA DEP to everyone: Sorry, the above questions are directed at Gary. Thanks!

from Gary Shenk to everyone: @Jill - good idea! I will make a note of that to show the original download and then what we used. We'll make that available for download.

from James Martin, Va DCR to everyone: @Gary any discussion about explicitly including Groundwater loads as a source?

from Lew Linker to everyone: @ James - Yes, we'll have three Multiple Tributary Models (MTMs) supported by an RFA for Patapsco, Rappahannock, and Choptank and three MTMs supported in-house by the Modeling Team for the James, York, and Potomac rivers.

from Gary Shenk to everyone: @James on groundwater. Groundwater loads have always been explicit in the model since the beginning. Would you like to be able to see the breakout in CAST as well?

from James Martin, Va DCR to everyone: @Gary -I think that would be useful. As it is a load that is not controlled in the same way as surface runoff.

from James Martin, Va DCR to everyone: @Gary - I also wonder if it might help show/explain some of the lag issues

from Jill Whitcomb, PA DEP to everyone: Where does the Fertilizer Expert Group fit in? to the Ag Modeling Team?

from Gary Shenk to everyone: @James - Agreed. We use the groundwater simulation in the dynamic model to calculate the lag effect in the recently-approved indicator on slide 22 of this presentation: <https://d18lev1ok5leia.cloudfront.net/chesapeakebay/documents/2023-03-27-Monitored-TMDL-Indicator-gshenk-WQGIT-v2.pdf>

from Tom Butler to everyone: The Fertilizer expert group is a separate group that is geared towards phase 6. They can make recommendations for phase 7 which the AMT will look at.

from James Martin, Va DCR to everyone: Some discussion on the role of the LUWG in the LU roll up for CAST please

from KC Filippino to everyone: Agreed, process and roles for all groups, including WQGIT, was my question as well.

from Norm Goulet, USWG to everyone: The WQGIT has historically had a two or three day face to face over each of the major model upgrades. Highly recommend that we do it again

from James Martin, Va DCR to everyone: These updates should not be viewed as WQGIT agreement, endorsement, or support of any of the materials presented.

from Jill Whitcomb, PA DEP to everyone: I think something that can be done a bit more is to make a better connection between what each of these pieces mean and how they get put together. Bring in the bigger picture in the presentations.

from Dinorah Dalmasy - MDE to everyone: Agree with both James and Jill.

from Jill Whitcomb, PA DEP to everyone: Meaning - the presenters to coordinate when developing the presentations and help draw those lines together - like Lew is saying - there are policy implications but to have us try to draw those connections without much context is difficult.

from Jackie Pickford, CRC (she/her) to everyone:@james That's correct. We will make sure that the actions and decisions don't reflect that unless there is official WQGIT approval. We will make it clear to the group when that is happening.

from KC Filippino to everyone: Is there a clearinghouse for what the decision points are and who needs to make them? Is that on the Phase 7 website?

from Jill Whitcomb, PA DEP to everyone: I like KC's question - I think there should be a transparent place to have this information in an easy to read format

from KC Filippino to everyone: Example: new load sources start at relevant WG then go to WQGIT, land use classes go to LUWG then WQGIT. I think we can be more generic and highlight what those potential decision points are.

from Bryant Thomas VA DEQ to everyone: To Lew's suggestion of getting to understanding among the GIT, perhaps quarterly updates to the GIT are appropriate with the topics/issues rotating so not to dominate any one meeting. And, I think it would be helpful to have a summary of the key issues addressed by the various workgroups, especially where there is disagreement getting to a decision or there is inputs sought from the WQGIT. This may help get to KC's question on decision points.

from James Martin, Va DCR to everyone: Those decisions points should all be part of the overall project plan, along with the dependencies that might exist between them.

from Jeremy Hanson to everyone: we'll restart shortly at 2:34

from Mike LaSala to everyone: I agree with James

from Jeremy Hanson to everyone: Email for thoughts or questions on the oyster BMP panel report: [oysterBMPresponse@oysterrecovery.org](mailto:oysterBMPresponse@oysterrecovery.org)

from julie.reichert-nguyen to everyone: Katie is going first

from Jeremy Hanson to everyone: And I forgot to mention/remind the group: as the agenda states, we have a placeholder in our Logic & Action plan for this STAC workshop, so we want input about what specific actions/recommendations from the workshop are of greatest interest for the WQGIT over the next 1-2 years

from Katie Brownson, USFS to everyone: The workshop report, appendices and a nice summary document from UMCES are all available here: <https://www.chesapeake.org/stac/events/session-2-rising-watershed-and-bay-water-temperatures-e2-80-94ecological-implications-and-management-responses/>

from Jeremy Hanson to everyone: thanks katie! we've also posted the summary report on the calendar page for today's meeting (<https://d18lev1ok5leia.cloudfront.net/chesapeakebay/CBP-STAC-Rising-Water-Temperatures-Summary-Report.pdf>)

from Kristin Saunders to everyone: Given the discussion earlier today on Phase 7 updates and the nexus here, it will be critical to make sure we are incorporating these recommendations while those updates are being done.

from KC Filippino to everyone: Need to factor temp in as the opposite of a co-benefit, if possible

from Steve Bieber to everyone: I understand that someone from HRSD expressed interest in chairing the wastewater WG. Is that correct?

from Mike LaSala to everyone: thank you

## Participants

April 24, 2023	1:01 PM	from Ruth Cassilly to everyone:	Ruth Cassilly, UMD
April 24, 2023	1:01 PM	from Helen Golimowski to everyone:	Helen Golimowski, Devereux Consulting
April 24, 2023	1:01 PM	from cassandra davis to everyone:	Cassie Davis, NYS DEC
April 24, 2023	1:01 PM	from Jill Whitcomb, PA DEP to everyone:	Jill Whitcomb, PA DEP
April 24, 2023	1:01 PM	from Walker, Holly DNREC to everyone:	Holly Walker, Delaware DNREC
April 24, 2023	1:01 PM	from Lucinda Power to everyone:	Lucinda Power, EPA CBPO
April 24, 2023	1:01 PM	from Katie Dyer - COG to everyone:	Katie Dyer, MWCOG
April 24, 2023	1:01 PM	from Olivia Devereux to everyone:	Olivia Devereux, Devereux Consulting
April 24, 2023	1:01 PM	from Tom Butler to everyone:	Tom Butler, EPA
April 24, 2023	1:01 PM	from Samuel Canfield, WVDEP to everyone:	Samuel Canfield, WVDEP
April 24, 2023	1:01 PM	from Jeffrey Cornwell UMCES to everyone:	Jeffrey Cornwell UMCES
April 24, 2023	1:01 PM	from Lauren Townley to everyone:	Lauren Townley, NYSDEC
April 24, 2023	1:01 PM	from Rebecca Murphy to everyone:	Rebecca Murphy, UMCES at CBP
April 24, 2023	1:01 PM	from Lew Linker to everyone:	Lew Linker EPA-CBPO
April 24, 2023	1:01 PM	from Kristin Saunders to everyone:	Kristin Saunders, UMCES
April 24, 2023	1:01 PM	from Mike LaSala to everyone:	Mike LaSala, LandStudies
April 24, 2023	1:01 PM	from Kevin McLean VA DEQ to everyone:	Kevin McLean, VA DEQ
April 24, 2023	1:02 PM	from Katie Brownson, USFS to everyone:	Katie Brownson, USFS
April 24, 2023	1:02 PM	from Arianna Johns VADEQ to everyone:	Arianna Johns VA DEQ
April 24, 2023	1:02 PM	from Drew Getty to everyone:	Drew Getty, Perdue Farms
April 24, 2023	1:02 PM	from Guido Yactayo MDE to everyone:	Guido Yactayo MDE
April 24, 2023	1:02 PM	from Kimberly Dagen, SRBC to everyone:	Kimberly Dagen, SRBC for PA DEP
April 24, 2023	1:02 PM	from Rachel Felver to everyone:	Rachel Felver, ACB/CBP
April 24, 2023	1:02 PM	from Gary Shenk to everyone:	Gary Shenk USGS@CBPO
April 24, 2023	1:02 PM	from Auston Smith to everyone:	Auston Smith - EPA CBPO
April 24, 2023	1:02 PM	from Bryant Thomas VA DEQ to everyone:	Bryant Thomas, VA DEQ
April 24, 2023	1:02 PM	from patricia gleason to everyone:	Patricia Gleason, EPA R3
April 24, 2023	1:02 PM	from Emily Dekar USC to everyone:	Emily Dekar, Upper Susquehanna Coalition (NY)
April 24, 2023	1:03 PM	from Dinorah Dalmasy - MDE to everyone:	Dinorah Dalmasy - MDE
April 24, 2023	1:03 PM	from ken hyer to everyone:	Ken Hyer, USGS
April 24, 2023	1:03 PM	from Joe Wood to everyone:	joe wood chesapeake bay foundation
April 24, 2023	1:03 PM	from Lee McDonnell to everyone:	Lee McDonnell - EPA/CBPO
April 24, 2023	1:03 PM	from Elizabeth Hoffman, MDA to everyone:	Elizabeth Hoffman, MDA
April 24, 2023	1:04 PM	from KC Filippino to everyone:	KC Filippino, Hampton Roads PDC
April 24, 2023	1:04 PM	from mdubin to everyone:	Mark Dubin, UM/CBPO

April 24, 2023	1:04 PM	from George Onyullo to everyone:	George Onyullo - DCDOEE
April 24, 2023	1:05 PM	from dave montali to everyone:	dave montali, tetra tech; wv, mwg
April 24, 2023	1:05 PM	from Pat Thompson to everyone:	Patrick Thompson,
EnergyWorks Group			
April 24, 2023	1:10 PM	from Karl Blankenship to everyone:	Karl Blankenship, Bay Journal