

CHESAPEAKE BAY PROGRAM
WATER QUALITY GOAL IMPLEMENTATION TEAM
JULY 26, 2021 | ACTIONS & DECISIONS
Meeting Materials: [Link](#)

I. Summary of Actions and Decisions

Action: Please send all questions about CAST-21 Task 7: Hillandale to Vanessa Van Note, EPA (vannote.vanessa@epa.gov) to be addressed at the Watershed Technical Workgroup (WTWG) Meeting on **Thursday, August 5th**.

Action: Peter Claggett, USGS, will provide the Water Quality GIT and Land Use Workgroup with the revised Version 1 Land Use Change data **by COB Friday, July 30th**, to review before the August 23rd WQGIT Meeting. Please reach out to Peter (pclagget@chesapeakebay.net) prior to the August meeting with any questions or concerns about the data.

Action: Pending the completion of the revised Version 1 Land Use change data, Jess Rigelman and Olivia Devereux will provide the WQGIT with the CAST-21 vs CAST-19 Land Use change comparison data and associated Tableau graphs by COB Friday, August 6th.

Action: Members are encouraged to reach out to Hilary Swartwood, CRC (swartwood.hilary@epa.gov) and the WQGIT leadership with any suggestions on potential Phase 7 model topics for the WQGIT face-to-face October meeting.

II. Upcoming Meetings and Deliverables

Fri, July 30: The revised Version 1 Land Use Change data will be posted on the [Viewer](#) for review by the WQGIT, LUWG, and interested parties. The updated pivot tables will be posted [here](#).

Wed, Aug 4: Land Use Workgroup Meeting (1-3PM). Peter Claggett, USGS, will review the revised Version 1 Land Use Change data and the LUWG will decide on the best available data to inform CAST-21. Agenda and meeting info posted [here](#).

Thurs, Aug 5: Watershed Technical Workgroup Meeting (10AM-12PM). Vanessa Van Note, EPA, will give an update on the Hillandale methodology for Task 7 of the CAST-21 Workplan. Agenda and meeting info posted [here](#).

Fri, Aug 6: The CAST-21 vs CAST-19 Land Use Change comparison data and associated Tableau graphs will be posted online and distributed to the WQGIT for review. Link TBD. *Note: This is contingent upon the timely completion of the Land Use Change data action item (see above).*

Mon, Aug 23: The WQGIT decides whether to approve the use of the high-res Land Use Change data in CAST-21.

III. Meeting Chat

Hillandale Comments/Questions

from Gregorio Sandi, MDE to everyone: 1:26 PM

That would have also changed land use distribution too, right?

from Olivia Devereux, Devereux Consulting to everyone: 1:27 PM

@Gregorio: Yes, the feeding space land use would be larger with this change.

from Vanessa Van Note, EPA to everyone: 1:31 PM

Greg, I will cover on your question during the WTWG meeting in August so everyone is on the same page.

from Vanessa Van Note, EPA to everyone: 1:35 PM

James, we will be prepared to discuss the 2010 NA and E3 scenarios, along with how a change product to a milestone update will not impact the phase calibration.

from James Martin, VA DEQ to everyone: 1:38 PM

WTWG Hillandale Questions: What is the disposition of this new manure. How is it spread across the watershed? How does the increase in manure change the fertilizer spread? What is the total increase in loads resulting from this manure EOS and EOT?

Conowingo Dredging Comments/Questions

from Kristin Saunders, UMCES to everyone: 3:27 PM

Is the Exelon model proprietary?

from Marel King, CBC to everyone: 3:28 PM

What do you mean by "get access" to these models? What would be required?

from Norm Goulet, NVRC to everyone: 3:33 PM

There are other aspects to the Expert Panel process and the answers they provide that seem to me need to be addressed and bypassing the Panel Process seems problematic

from Kristin Saunders, UMCES to everyone: 3:39 PM

Do we think the modeling team has the capacity to take this effort on, given their workload and our eyes moving toward a phase 7 model? We keep hearing about staff capacity being a challenge for everyone...just curious if this would present a large lift and detract from other equally important needs.

from James Martin, VA DEQ to everyone: 3:39 PM

Do you anticipate a BMP that is reported in tons of material dredged or that is reported as as N,P&S reductions based on the Exelon model simulation of the specific dredging completed?

from James Martin, VA DEQ to everyone: 3:40 PM

Does the disposition of the dredged material change the benefits

from Olivia Devereux, Devereux Consulting to everyone: 3:41 PM

Some of the questions that are answered in the Expert Panel reports include how to handle mass balance issues like where the dredged materials are disposed. There is also the issue of assessing how dredging interacts or doesn't with other BMPs. The Expert Panel requires a technical appendix with specific responses. An analysis might provide a basis, but we would need to build on that analysis to fully incorporate dredging as a BMP. This is even assuming the model developed by Exelon's contractor, HDR, were made public since the Bay Program has previously determined that proprietary information is not allowable.

from Mark Hoffman, CBC to everyone: 3:41 PM

Do we understand/approve the science that went into the model? Don't we need to validate it from a CBP perspective.

from Jess Blackburn, CAC Coordinator to everyone: 3:44 PM

CAC suggests using the dredge material on acid mine drainage lands

from Ruth Cassilly, UMD to everyone: 3:44 PM

there is also a proposal/bid to make bricks for construction from the sediment

from James Martin, VA DEQ to everyone: 3:48 PM

Is this being proposed for dredging anywhere or is this only for the Conowingo

from Ruth Cassilly, UMD to everyone: 3:48 PM

only for the Conowingo

from Jill Whitcomb, PA DEP to everyone: 3:51 PM

Legacy Sediment Removal and Ecosystem Restoration is already being done.

from Ann Swanson, CBC to everyone: 3:56 PM

Do we have any idea of the pound reduction estimates we are talking about? Is the investment worth the level of modeling/staff effort under consideration?

from Sarah Lane, UMCES to everyone: 4:02 PM

The algal flowway technology expert panel report has language on end use of the product.

Recommendations for inclusion in QAPP and requirements for verification for submission for credit.

This language may help direct how dredge material is addressed.