Chesapeake Bay Program
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Modeling Workgroup Meeting

Tuesday, September 15th, 2026
9:00 AM – 12:00 PM

Join the meeting via Microsoft Teams
Meeting ID: 210 347 718 566 950 | **Passcode:** 4fL9Di2G

Call: +1 469-208-1525 | **Conference ID:** 669 253 577#

Visit the meeting webpage for meeting materials and additional information.

This meeting may be recorded for internal use only to assure the accuracy of meeting notes. To turn on closed captioning, click on the three ellipses (More actions), then click on "Turn on live captions" (preview). To request accommodations, please contact Gabriel Duran at gduran@chesapeakebay.net.

Please read the following information carefully, as our meeting policies have changed:

- All meeting attendees' cameras and microphones will be muted at the start of the meeting.
- To request access to the microphone and camera, all meeting participants will be required to use the raised hand feature on Teams. Once access has been granted by the meeting organizer, you will then be allowed to unmute your mic and turn on your camera. Unless instructed otherwise, once a participant has microphone or camera access, they will have this permission for the remainder of the meeting.
- Access to chat will be provided as well. Should it be necessary, the Q&A feature on Teams will be utilized to field participant questions.

Compromised Meeting Plan: If the meeting's privacy is compromised, the meeting staffer and coordinator will send an email to all Members, alternates, staffers, coordinators, and interested parties. Within the email, you will find a new meeting link, instructions on sharing this information with external partners, and any necessary adjustments to the meeting schedule. Please do NOT share this information publicly or post it to the Chesapeakebay.net webpage.

Purpose: This is the special meeting for the Modeling Workgroup to convene with Modeling Workgroup Members and Interested Parties to approve the following: Phase 7 Watershed Sediment Model, and Phase 7 CAST Stream Scale.

Agenda

I. Welcome **(9:00 - 9:05 AM)**

Lead: ***Dave Montali*** *(Tetra Tech)* and ***Mark Bennett*** *(U.S. Geological Survey)*, MWG Co-Chairs.

II. Phase 7 CalCAST Sediment Simulation **(9:05 – 9:50 AM)**

Lead: ***Joseph Delesantro*** *(Koniag IT Systems)*
Request Action: Decisional.
Material: Meeting webpage here.

Description: Joseph will present RUSLE2 Edge of Field (EOF) sediment loads, present results of CalCAST calibration of sediment transport with P7 inputs, and detail changes to stream bed and bank loads. Joseph will demonstrate that the CalCAST sediment simulation quality meets or exceeds the CalCAST sediment simulation with Phase 6 inputs. The Modeling Workgroup will be asked to approve the Phase 7 CalCAST sediment simulation and resulting transport parameters to allow moving forward to a final Phase 7 nutrient simulation.

Discussion on Phase 7 Sediment Model in CalCAST **(9:50 – 10:05 AM)**

III. Phase 7 DWSM Sediment Simulation **(10:05 – 11:05 AM)**

Lead: ***Gopal Bhatt*** *(Penn State-CBPO)*
Request Action: Decisional.
Material: Meeting webpage here.

Description: Gopal will review the Dynamic Watershed Model (DWSM) sediment calibration that is using updated EOF sediment loads and Phase 7 CalCAST sediment transport factors along with other Phase 7 CAST inputs. This is an interim DWSM calibration before a fully integrated water quality calibration including TN and TP species. The Modeling Workgroup will be asked to approve the process used in the DWSM sediment calibration which incorporates Phase 7 inputs, RUSLE2 EOF sediment loads, and transport factors along with previously approved DWSM hydrology calibration.

Discussion on Phase 7 Sediment Simulation **(11:05 – 11:20 AM)**

IV. Break **(11:20 – 11:30 AM)**

V. Use of Stream Scales in Phase 7 CAST & The Watershed Model **(11:30 – 11:50 AM)**

Lead: ***Alex Gunnerson*** *(Koniag IT Systems)*
Request Action: Decisional.
Material: Meeting webpage here.

Description: Alex will present on the use of stream scales in Phase 7 CAST and the Dynamic Watershed Model, and how this compares to the methods used in Phase 6. The Modeling Workgroup will be asked to either approve a switch to NHD 1:24K flowlines for Phase 7 CAST stream length or retain the NHD 1:100K flowlines used in Phase 6 CAST for Phase 7 CAST. Please refer to the Memo on P7 Stream Scale Use for more information.

Discussion on the Use of Stream Scales in P7 CAST & the Watershed Model **(11:50 – 12:00 PM)**

VI. Adjourn **(12:00 PM)**

Next meeting: October 27th-28th from 9AM-3PM.