Chesapeake Bay Program
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Phase III WIP Translation Assumptions for Phase 7

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Background

- During the transition from Phase 5 to Phase 6, Phase II WIP BMPs were translated to the Phase 6 BMPs, load sources, and model segmentation

- Assuming the partnership would like to similarly transition the Phase 6 Phase III WIPs to Phase 7, the assumptions on the following slides have been made.

- Should the partnership decide not to translate Phase III WIPs to Phase 7, this will not be done.

Geographic Scale

- All geographic scales translate from Phase 6 to Phase 7 except for land river segments.
  - Land segments stayed the same
  - River segments were updated to use HUC 12 boundaries

- Records submitted as land river segments were assigned to land segments.

Load Source Groups

- Mixed open land use removed/redefined for Phase 7.
  - Records submitted on mixed open were assigned to compacted pervious.
  - This only affects the Abandoned Mine Reclamation BMP.

Agencies

- The MD State and SHA agencies are no longer CAST agencies in Phase 7.
  - All records assigned to them were assigned to non-fed.

BMPs

- Urban nutrient management was redefined for Phase 7.
  - Nutrient Management Plan, Nutrient Management Plan Low Risk Lawn, Nutrient Management Plan High Risk Lawn are assigned to Nutrient Management without a Soil Test
  - Nutrient Management Maryland Do It Yourself and Commercial Applicators are no longer given credit in Phase 7

BMPs Continued

- Water Control Structures were assigned an efficiency value of 0% in CAST 23. This BMP is no longer in Phase 7.
  - All records are reassigned to Drainage Water Management

- Wetland Enhancement was no longer eligible for credit in CAST 23. This BMP is no longer in Phase 7.

BMPs Continued

- The Transportation Policy BMP was added to CAST in July of 2023
  - The discussions at the time indicated that this BMP needs to be reevaluated once we have the updated Phase 7 CMAQ scenarios. It was anticipated that at least some of the policies that the Phase 6 version of the BMP gives credit for would be incorporated. However, anything above and beyond that could potentially be included for BMP reductions. This is an action item for a future meeting once the modelers have time to engage.

- We cannot translate land policy BMPs from Phase 6 to Phase 7 so these BMPs will not be included at this time.

Discussion

- Does the group have any concerns with the Phase 7 translation assumptions that were applied for the Phase III WIPs?

- Any questions?