



# Accounting Schedule WIP III, Milestones and Progress

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# 2018 Progress Scenario Schedule

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- September, 2018 – Jurisdictions were encouraged to begin submitting their BMP implementation to NEIEN
- QA/QC'd final data to be submitted December 3, 2018
- 10+ draft versions of 2018 Progress through Mar. 20, 2019



# 2018 Progress Scenario Schedule

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- Draft 2018 Progress scenarios (Phase 6) have been shared on CAST at <http://cast.chesapeakebay.net>
  - 10 types of reports available to review inputs and outputs
- Validation reports for each draft 2018 Progress run have been available on jurisdiction's password-protected ftp sites.





## 2018 Progress Scenario Schedule

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- CBPO findings of BMP verification analysis were provided to each jurisdiction who have, in turn, investigated reported implementation levels and responded.
- Need to finish Progress assessment this week since beginning to converge with draft WIP3 submissions.



## The 'Stopping Rule' PSC

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All model data and methods may not be changed during the 2018 – 2019 milestone development and progress reporting time period per PSC decision (7/9/18), with the following exceptions:

- Historic implementation data may be updated in NEIEN;
- Permitted, disturbed construction acres for 2018 and 2019;
- Permitted harvested forest acres for 2018 and 2019.



# The 'Stopping Rule'

## PSC

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- Data and BMPs used in the Phase 6 Model are subject to change prior to the beginning of each milestone period per PSC decision (7/9/18); however, changes must be limited in scope so that they do not:
  - impact modeled runoff during the 1993-1995 critical period; or
  - alter the base conditions (land uses, septic, animals, etc.) from 1984 through 2013.
- Preservation of these estimates will enable the Program to provide a consistent assessment of how new management actions and changes in base conditions have influenced loads over time.



# Schedule

## Data Input Deadlines

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### Phase III WIP Development Input and Planning Deadlines

- Present – April 1, 2019 – Interim BMPs for planning purposes added to CAST
- Present – April 1, 2019 – CBPO works with states to design draft Land Use Policy BMPs
- April 12, 2019 – Draft Land Use Policy BMPs added to CAST
- April 12, 2019 – Draft Phase III WIP document and Phase III WIP input decks due to EPA
- April 12 – August 9, 2019 – CBPO works with states to design final Land Use Policy BMPs
- August 9, 2019 – Final Phase III WIP document and Phase III WIP input decks due to EPA



# Schedule

## Data Input Deadlines

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### 2020-2021 Milestones Data Input and Planning Deadlines

- April 30, 2019 - All data from jurisdictions and source sector workgroups that inform modeling changes for the next milestone period must be submitted to CBPO, including:
  - Approved BMP Expert Panel information for any BMP that was not on the ground during the critical modeling period of 1993-1995
  - Animal populations by county (used to distribute statewide animal population estimates where appropriate)
  - Permitted/Non-permitted animal fractions by county
  - Nutrient concentration for animals (minimum of three-year trend needed to alter trend in modeled nutrient concentrations)
  - Manure or litter mass produced per animal (minimum of three-year trend needed to alter trend in modeled manure or litter production)
  - Soil phosphorus data by crop type and county





# Schedule

## Data Input Deadlines

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### 2020-2021 Milestones Data Input and Planning Deadlines

- June 28, 2019 – All data from non-jurisdictional sources (e.g., USDA, USGS, US Census Bureau, etc.) that may inform modeling changes for the next milestone period must be submitted/gathered by CBPO:
  - USDA-NASS 2017 Census of Agriculture
  - USDA- NASS annual poultry production data
  - USDA-NASS annual crop yield data
  - AAPFCO fertilizer sales



# Schedule

## Data Input Deadlines

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### 2020-2021 Milestones Data Input and Planning Deadlines

- June 1 – September 30, 2019 - Draft changes to modeling tools based upon new data are released to workgroups and the WQGIT for consideration, including revised historic progress assessments. Workgroups and Water Quality GIT approve changes to the modeling tools based upon the data on a rolling basis.



# Schedule

## Data Input Deadlines

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### 2020-2021 Milestones Data Input and Planning Deadlines

- November 1, 2019 - Final changes to modeling tools provided on CAST for use in the 2020-2021 Milestones. Following release of these data, no changes can be made to the modeling tools until October 31, 2021
- January 15, 2020 - Jurisdictions submit draft 2020-2021 programmatic and numeric milestones to EPA, and progress on the 2018-2019 programmatic milestones



# Schedule

## Data Input Deadlines

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### 2019 Progress Data Input and Planning Deadlines

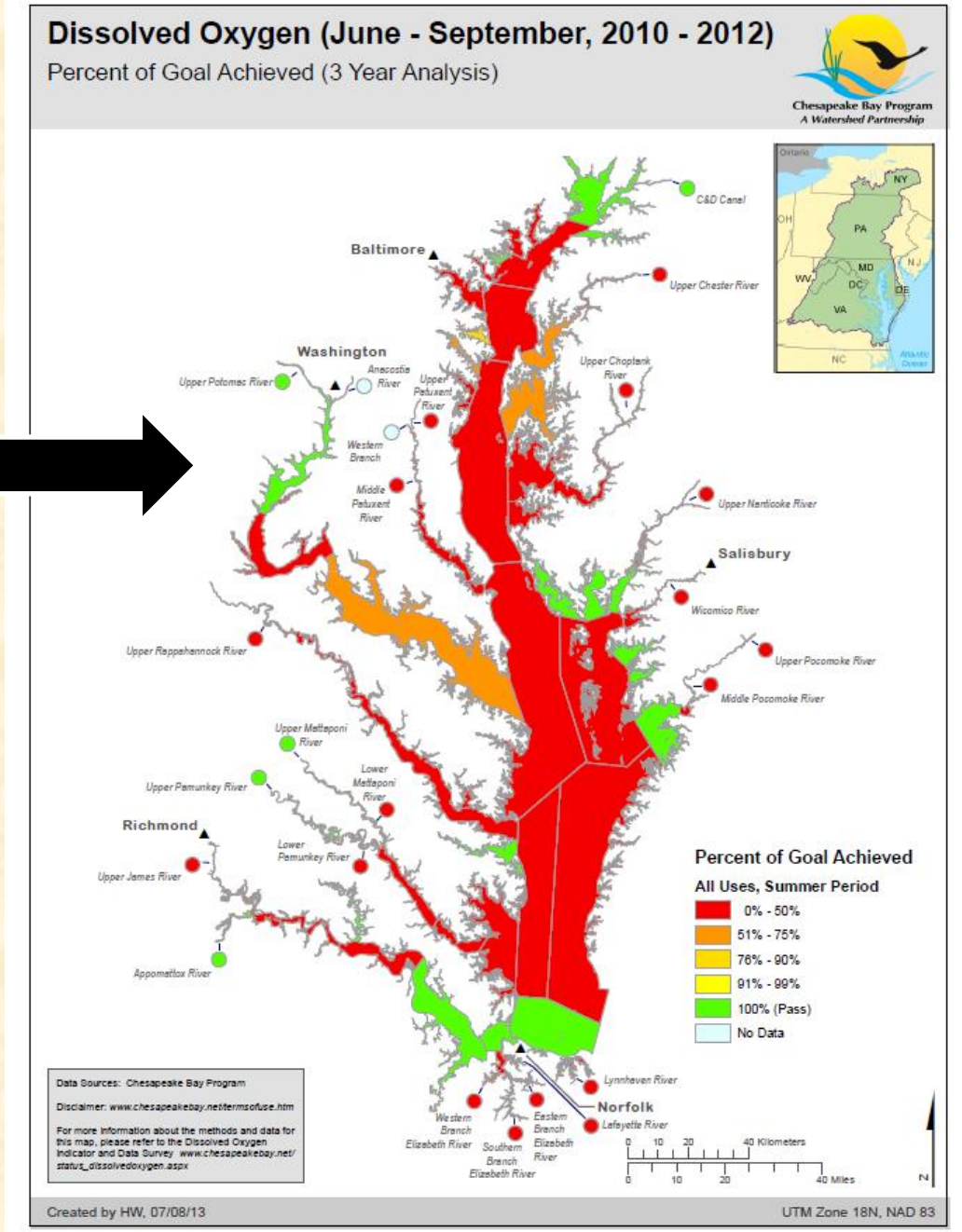
- December 1, 2019 - Jurisdictions submit final 2019 progress data and any updates to BMP Verification Program Plans describing new data sources and changes to methods of tracking to CBPO.
- December 1, 2019 – January 31, 2020 - CBPO and jurisdictions will conduct QA/QC review of 2019 Progress data, including verification.
- January 15, 2020 - Jurisdictions submit progress for 2018-2019 programmatic milestones to EPA.
- February 8, 2020 – CBPO finalizes 2019 Progress model assessment. Jurisdictions finalize BMP Verification Program Plans. QAPPs will then be posted publicly shortly thereafter, allowing time for signatures.





# Chesapeake Bay Impairments

- Dissolved Oxygen
- Chlorophyll a
- Water Clarity (SAV Abundance)



# Water Quality Standards Attainment



- During the 2014 to 2016 assessment period, an estimated 40 percent of the Chesapeake Bay and its tidal tributaries met water quality standards: the highest estimate of water quality standards attainment since 1985.

