

Chesapeake Bay Phase 6 Watershed Model Inputs Data Visualization Tool
Briefing Paper: Water Quality Goal Implementation Team Face-to-Face Meeting
October 24, 2016

Background:

On March 14, 2016 the Water Quality Goal Implementation Team (WQGIT) formally requested the development of a tool to help jurisdictions more easily visualize the data inputs used in the development of the Phase 6 Watershed Model. This tool will facilitate Partnership review of each Beta version, as well as the final version of the Phase 6 Watershed Model by helping to eliminate duplication of effort in data analysis, facilitating local jurisdiction data access, and providing the ability to parse and ground-truth the data.

A working group was established to oversee the application's development, and the tool was launched on July 5, 2016. The notice of its availability was distributed to that working group as well as a range of other Partnership workgroups. Currently, Beta 1, 2, 3a, 3b, and 3c are available for review within the tool, and Beta 4 is expected to be available prior to the WQGIT's face-to-face meeting.

Link:

<https://mpa.chesapeakebay.net/Phase6DataVisualization.html>

Overview of the tool:

This graphical interface to the Phase 6 Watershed Model inputs is provided by the Chesapeake Bay Program to facilitate review of the data by the Partnership. The Chesapeake Bay Program intends for this interface to facilitate transparency in the Watershed Model and offer a common, public platform for reviewing data.

There are separate tabs for every category of Watershed Model source data inputs. These tabs are displayed across the top of the interface and also may be accessed as a dropdown list by clicking on the downward pointing triangle at the left of the tabs. Some of the tabs display data in graphs and some display as maps.

On the right side of the interface is a vertical display of filters that may be used to change the data displayed. These filters include the Phase 6 Model version, nutrient type, state, county, and load source. Select different filters to drill down to very specific displays such as nitrogen from "silage with manure" in one county in one state. There also is a filter with a slider to change the years of data displayed. Restricting the years displayed allows you to zoom in on specific periods of time.

Captions for most graphs are found at the very bottom and identify the CBP workgroup responsible for that input. Please contact the workgroup chair and coordinator if you have questions about specific data.