

# Stakeholder-Driven Nutrient Modeling for the Chesapeake Bay

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4004 Agricultural Sciences Building**



The Chesapeake Bay Program (CBP) partnership is revising the CBP's Watershed Model used to help direct the restoration of Chesapeake Bay. The revised model, known as the Phase 6 watershed model, will be used to guide management actions between 2018 and 2025 designed to achieve the nutrient and sediment total maximum daily loads, known as TMDLs, needed to meet restoration goals. A cross-disciplinary modeling team of federal, academic, and contractor scientists at the Chesapeake Bay Program Office is revising the watershed model with extensive input from approximately a dozen stakeholder groups within the CBP Partnership. These groups have varied representation including federal, state, and local governments; academic institutions; trade organizations; and non-government organizations. In all, hundreds of participants from dozens of organizations collectively have direct control over modeling approaches. These groups determined the three main themes for watershed model development that are applied in phase 6 including: improving input data, utilizing multiple models and lines of evidence, and employing a simplified modeling approach. The stakeholder-driven process of development will result in a model that more accurate in representing new scientific findings, more accessible to users, and more accepted by the community.

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