

MD's GIT Funding Project RFI: Assessing 53 Chesapeake Bay Segments for the full suite of Dissolved Oxygen Water Quality Criteria.

Short description of your idea:

Maryland's Integrated Report (303d List/305b report) shows that none of its 53 Chesapeake Bay Segments have ever been assessed for the full suite of applicable dissolved oxygen water quality criteria. With the major nutrient reductions that have already occurred, with the Phase III WIP in place and with just five years remaining until 2025, it will become increasingly important to identify segments where water quality criteria are being achieved and designated uses are being supported. This would help both in connecting water quality response to past restoration efforts and informing future restoration efforts that might require planning at a finer scale. We propose conducting a detailed, three-year assessment of several tidal tributaries to determine whether they are meeting criteria. This will involve increasing the spatial and temporal resolution of monitoring, as well as analyzing monitoring data to determine water quality.

WQGIT workplan or CBP climate-related science need it would apply to:

WQGIT Factor 5 - Support the use of new data streams having classified their integrity

WQGIT Factor 11 - Understanding the factors affecting the ecosystem response to pollutant load reductions to focus management efforts and strategies

Other workgroups we could partner with, if known:

ITAT, Modeling WG, Criteria Assessment Protocols (CAP)

Whether you would be interested in serving as a technical lead (see RFP for technical lead responsibilities)

No