



Criteria Assessment Protocol Workgroup

Conference Call
November 14, 2014
10:00AM – 12:00PM

Meeting Webpage:

<http://www.chesapeakebay.net/calendar/event/22209/>

Purpose: Follow-up on items discussed on the [October 29, 2014 CAP conference call](#).

Participants: Tish Robertson (VADEQ), Will Hunley (HRSD), Peter Tango (USGS/CBPO), Richard Tian (UMCES/CBPO), Lea Rubin (CRC/CBPO), Donald Smith (VADEQ), Matt Stover (MDE), Bruce Michael (MDNR)

MINUTES

Introduction

In the near future, STAC will be asked to review the CAP Technical Addendum. Peter [presented](#) an overview of items the CAP Workgroup must come to a decision on before STAC review.

From the October 29th conference call the following items are up for approval:

1. The interim use of model based volumes in filling gaps in MD 303d listing assessments for the PAXTF and ANATF-MD segments.
2. Open water Designated Use: options for boundary criteria to sub-segment the designated use for dissolved oxygen assessment.
3. Decision rule for using Continuous Monitors for the Instantaneous minimum attainment measures.
4. Umbrella Criterion application approach

Conclusions

Requesting approval for publishing the interim volumes for use in 303d listing assessments and filling historical gaps in the 303d assessments.

APPROVED

PATUXENT TIDAL FRESH (PAXTF) model-based value of 11,025,000 cubic meters (m³)

ANACOSTIA TIDAL FRESH in Maryland (ANATF MD) model-based volume estimate is 172,500 cubic meters (m³)

Requesting approval for support information provided in the chapter on criteria to help derive sub-segmentation options

APPROVED

EPA will work with jurisdictions to create sub-segments in assessment units in Chesapeake Bay and its tributaries by request. Also reference [Boynton et al. 2014](#)

Decision rule regarding the use of Continuous monitoring dissolved oxygen data. Requesting a decision regarding the options 1, 2, or 2A for EPA consideration.

1. If at least one DO exceedance was observed on more than 10% of the days monitored in a single season. (e.g., 120 days X 10% = 12 days can have an exceedance)
2. If there is more than one day in a single season where the DO concentration exceeded the criterion more than 10% of the time (e.g., 2.5 hours)
- 2A. If there is more than two consecutive days in a single season where the DO concentration exceeded the criterion more than 10% of the time (e.g. 2.5 hours)

FURTHER DISCUSSION REQUIRED

Discussion

- The word “exceedance” should be replaced with “violation” to better describe the event of low dissolved oxygen.
 - **ACTION:** Peter will consult with EPA regarding the terminology.
- Will Hunley proposed rule 2A using a nuanced definition from both Rule 1 and 2, and would result in modest and beneficial differences in the outcomes compared to the original rule.

Requesting approval of the Umbrella Criterion assessment method as an option for addressing short duration criteria assessments.

The application uses the CFD approach and evaluates 30-day mean data against protective thresholds that account for uncertainty with data density in order to state protection of shorter duration criteria.

APPROVED by CAP Workgroup, though

FURTHER DISCUSSION REQUIRED (with EPA Colleagues)

Discussion

- Richard Tian’s [TEST](#) of applying the umbrella criterion approach to a real dataset proved the method is viable.
- There is concern that some segments that are currently meeting attainment standards would now be failing under the new umbrella criteria assessment
- There are difference in the way VA and MD handle the assessments for delisting of impaired waters from the 303(d) list.