

# Criteria Assessment Protocol WG: Review copy of the 2015 Ambient WQ Criteria Technical Addendum

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USGS @ CBPO  
August 12, 2015

Review time! Pushing to the finish line for publishing in late 2015.

## Review Process Underway

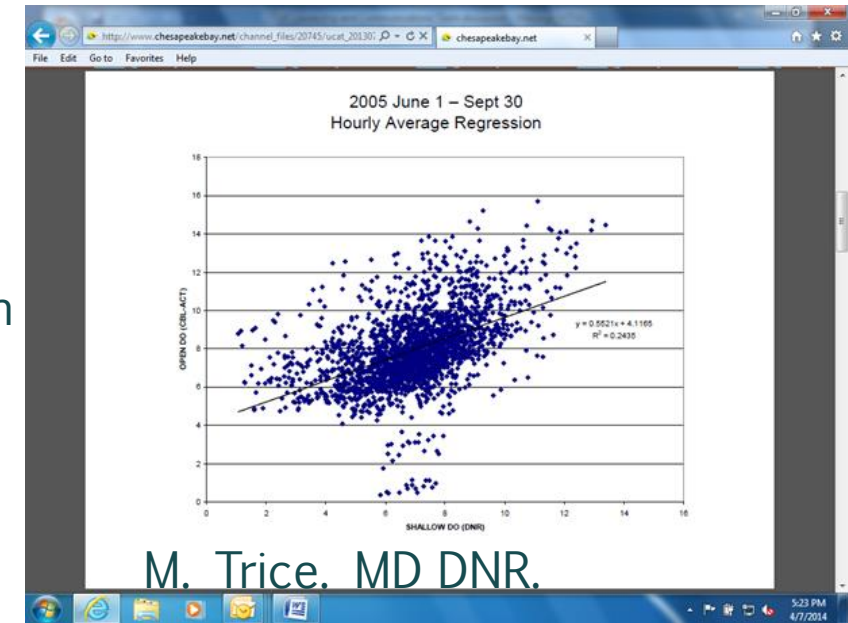
- **CBP-STAC, EPA and CAP WG have received the updated Technical Addendum. (July 31, 2015)**
  - CAP WG should anticipate comments from CBP-STAC in autumn. Waiting to hear officially what their review schedule will be.
  - EPA acknowledged receipt of the document. A team that has been working with the CBPO regarding the new document will be reviewing it this summer.
  - CAP WG: Comments requested by September 30, 2015.
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- **Goal of Nov 2015 having a final version ready for online publication.**

# Summary

- Chapter 1: Introduction
- Chapters 3-7: Old news to everyone here but updated language for your review regarding
  - Missing segment volumes resolved
  - Multi-metric indicator demystified
  - Underwater grasses water quality standards-based acreage goal
  - Interim rules for the BIBI in Chesapeake Bay
  - Protocol for nontraditional partners to support dissolved oxygen assessments.
- And then there is **Chapter 2: Short duration D.O. criteria assessment.**
  - This is where we need your focused attention.

# Focus on Chapter 2. II. Assessing Dissolved Oxygen Criteria Attainment: Short-Duration Criteria Attainment Assessments

- CAP WG issues that were rolled into this chapter:
  - Basis for sub-segmenting bay segments
    - Links to all the work done by the community regarding whether or not to separate shallow water out as its own designated use from the Open Water Designated Use.



U.S. Environmental Protection Agency. 2003. 305b guidance.  
[http://water.epa.gov/type/watersheds/monitoring/upload/2003\\_07\\_03\\_monitoring\\_305bguide\\_v2ch2.pdf](http://water.epa.gov/type/watersheds/monitoring/upload/2003_07_03_monitoring_305bguide_v2ch2.pdf)

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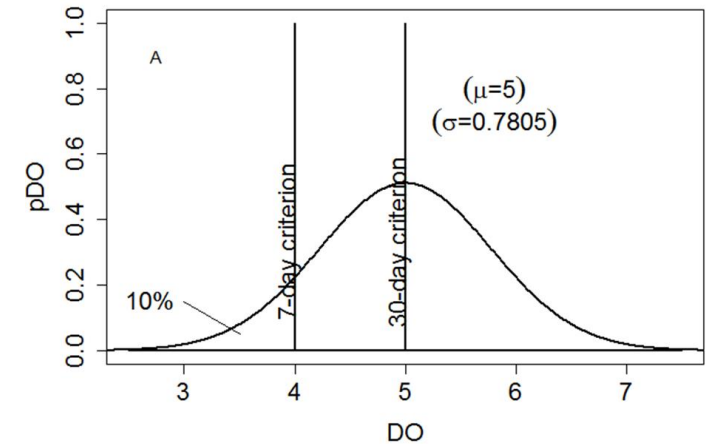
- CAP WG issues that were rolled into this chapter:
  - Three Zone recommendation option when choosing to sub-segment
    - Links to the Open Water designated use work, the latest work by Boynton et al on D.O. behavior in shallow water, and existing EPA-supported basis for sub-segmenting habitats already used by Virginia in other assessments.



Graphic by H. Weinberg..CBPO

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- CAP WG issues that were rolled into this chapter:
  - “Conditional Attainment”
    - This is the updated label for “Umbrella Criterion” and all the associated work that went into providing a potential basis for making assessments from one scale of measurement, including uncertainty associated with sampling frequency. .



E. Perry. Statistics Consultant

# Focus on Chapter 2. II. Assessing Dissolved Oxygen Criteria Attainment: Short-Duration Criteria Attainment Assessments

- CAP WG issues that were rolled into this chapter:

- 

- Instantaneous minimum rule for compliance
  - Links to our analyses and discussions on challenges for assessing IM, offering multiple methods applied in appropriate habitats per sampling techniques that are available.



Graphic developed from T. Robertson, VADEQ and Will Hunley, HRSD.

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- CAP WG issues that were rolled into this chapter:
  - Basis for sub-segmenting bay segments
    - Links to all the work done by the community regarding whether or not to separate shallow water out as its own designated use from the Open Water Designated Use.
  - Three Zone recommendation option when choosing to sub-segment
    - Links to the Open Water designated use work, the latest work by Boynton et al on D.O. behavior in shallow water, and existing EPA-supported basis for sub-segmenting habitats already used by Virginia in other assessments.
  - “Conditional Attainment”
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  - Instantaneous minimum rule for compliance
    - Links to our analyses and discussions on challenges for assessing IM, offering multiple methods applied in appropriate habitats per sampling techniques that are available.



# Focus on Chapter 2. II. Assessing Dissolved Oxygen Criteria Attainment: Short-Duration Criteria Attainment Assessments.

(See road map to assessment, the how-to, where-to and when-to summary guide, which is Table II-5. Recommended approaches to assess short duration criteria.)

- Recommended Approaches for Assessing Short-duration Dissolved Oxygen Criteria Attainment .....28
  - Enhanced Monitoring Approach..... 28
  - Continuous Monitoring Approach ..... 28
  - Conditional Criterion Attainment Approach ..... 28
    - Method 1..... 29
    - Method 2..... 29
  - Discrete Sampling Approach..... 29

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