



Criteria Assessment Protocol Workgroup
Monday, August 19, 2013
10:00AM – 11:00AM

Meeting Calendar:

<http://www.chesapeakebay.net/S=0/calendar/event/20863/>

ACTION ITEMS:

- There will be a follow-up call to discuss the time needed to complete the additional bathymetry work and if it's possible to meet the deadline for the 2012-2014 DO assessment. (H. Weinberg, T. Robertson, M. Stover, L. Hernandez)
- T. Robertson will rework the York and Rappahannock River data following the initial request of analysis by UCAT to build a clear table of findings (including the adjustment of surface data being 1-2 meters instead of Robertson's 0-1 meter). (T. Robertson)
- New text for the CAP Technical Addendum will be distributed to the CAP Workgroup for review when drafted. In dealing with current funding reductions to the monitoring program, no new text is available for distribution immediately. (P. Tango)

LEADERSHIP:

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MINUTES

Welcome, Introduction, Announcements – P. Tango (USGS-CBPO, CAP Chair)

- [Instantaneous Minimum Workshop](#), December 2, 2013 from 10 AM – 3 PM

Task List Overview – P. Tango (USGS-CBPO)

Attachment: [2013 CAP Workplan](#)

P. Tango gave an overview of outstanding tasks to be included in the 2014 Criteria Assessment Protocols Technical Addendum referred to by the 2013 CAP Workplan. The topics Tango reviewed are as follows:

- 1) To “develop and provide recommendations for the remaining dissolved oxygen (DO) criteria currently without Partnership approval” from the 2013 CAP Workplan
 - The [Instantaneous Minimum Workshop](#) will address this topic.
- 2) In regards to “assessing whether DO event duration is inherently captured by the CFD assessment and if not, suggest an alternative” from the 2013 CAP Workplan
 - The Umbrella Criteria Action Team (UCAT) provided some background information regarding this topic; however conversation will continue in the Tidal Monitoring and Analysis Workgroup (TMAW) and will be presented to the CAP Workgroup for review.
- 3) “Protocols for integrating non-traditional partners data” from the 2013 CAP Workplan
 - A section in the CAP Technical Addendum (2014) will state that the Bay Program anticipates work with the CBP STAC to determine the potential future participation of non-traditional partners. This section will be brought to CAP for review before publication.

Western Branch of the Patuxent River: Bathymetry Findings – L. Hernandez (UMCES-CBPO)

Attachment: [L. Hernandez – Bathymetry Findings \(Western Branch of Patuxent\)](#)

L. Hernandez provided an update on the work H. Weinberg has accomplished to date in relation to developing bathymetry data for the Western Branch of the Patuxent River (WBRTF) segment. Matt Stover provided H. Weinberg with the data to produce a bathymetry file for WBRTF to calculate hypoxic volumes for the DO assessment. Current issues H. Weinberg is facing as it relates to this work are as follows:

- The segment boundary does not reflect the actual boundary of the tributary
- The transect lengths do not match the actual segment widths which will influence interpolation
- There are only six transects within the segment which will affect accuracy

Discussion, Comments, and Questions

- A suggestion was made that higher frequency data be collected in this segment to improve accuracy of the 2012-2014 assessment.
- Involved GIS work in needed to accurately represent the WBRTF and to add new bathymetry data to the current bathymetry grid.
- What is the deadline for this additional work in order to complete the 2012-2014 assessment?
 - The absolute deadline would be October 2013.
- **ACTION:** There will be a follow-up call to discuss the time needed to complete the additional bathymetry work and if it's possible to meet the deadline for the 2012-2014 DO assessment. (H. Weinberg, T. Robertson, M. Stover, L. Hernandez)

Results of the Open Water vs. Shallow Water Comparative Analyses – T. Robertson (VADEQ) and P. Tango (USGS-CBPO)

Attachment: [T. Robertson – Rappahannock River and York River Shallow Water vs. Open Water Dissolved Oxygen](#)

Earlier this year, the Umbrella Criteria Action Team (UCAT) met to discuss the potential need to separately assess shallow-water habitat from the open-water habitat for DO criteria. Prior to making any final recommendations, the Team required further analysis to be conducted. T. Robertson presented her analyses to the CAP Workgroup. More information about additional findings presented by other contributing analysts can be found on the [conference call web page](#).

T. Robertson compared 30-Day Means, 7-Day Means and Violations of the Instantaneous Minimum using data from a Near-Shore Continuous Monitor and Mid-Channel Vertical Profiler located in a Rappahannock River segment and a York River segment. T. Robertson concluded that there is no significant near-shore vs. mid-channel differences in the 30-Day and 7-Day means; however, near-shore monitors are more likely to pick up on violations of the instantaneous minimum criterion than in the mid-channel vertical profilers.

Discussion, Comments, and Questions

- **ACTION:** T. Robertson will rework the York and Rappahannock River data following the initial request of analysis by the UCAT to build a clear table of findings (including the adjustment of surface data being 1-2 meters instead of Robertson's 0-1 meter). (**T. Robertson**)
- A chapter in the CAP Technical Addendum will incorporate recommendations for jurisdictions who decide to monitor near-shore shallow water and offshore shallow water habitats separately for the purpose of more accurate assessments, also to include special cases identified for this separation by the UCAT.
- **ACTION:** New text for the CAP Technical Addendum will be distributed to the CAP Workgroup for review when drafted. In dealing with current funding reductions to the monitoring program, no new text is available for distribution immediately. (**P. Tango**)
- The Bay Program Monitoring Networks are already having issues assessing current criteria; do we need separate criteria for shallow water habitats, especially with the 30-Day and 7-Day means not showing significant differences?
 - The CAP workgroup is not setting a new criterion, but highlighting data that demonstrates DO dynamic differences in the near-shore and offshore habitats, in order to provide the option to jurisdictions for the monitoring of special cases, where there is a significant difference between the habitats.
- Do the Bay Program Monitoring Networks have the station coverage/funding/monitoring data to make the near-shore and offshore shallow water habitats assessments separate?
 - On a segment by segment basis, this criteria work is offering flexibility to confirm what the mid-channel data is showing, by possibly targeting assessments in the near-shore to confirm or reject what is assumed by the current assessment structure.

NEXT CAP CONFERENCE CALL CANCELLED
September 2013