



**Tidal Monitoring and Analysis Workgroup Conference Call**  
**Wednesday, November 13 2013**  
**10:00AM – 12:00PM**

Meeting Calendar:

<http://www.chesapeakebay.net/S=0/calendar/event/21020/>

**ACTION ITEMS:**

- Check graphic “Increases in Wheat and Corn yields in 5 counties near the Choptank River (1926-2011)”, Yield (bushels per acre) per year looks large to meeting participants. (Found on Slide 13) (*C. Lyerly*)

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**LEADERSHIP:**

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**PARTICIPANTS:**

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**MINUTES**

**Welcome, introductions, announcements** – W. Boynton, Chair (UMCES-CBL)

- December 2, 2013: [Instantaneous Minimum Workshop](#)

**Potomac and Patuxent River Basin Summaries** – Renee Karrh (MDDNR)

*Attachments:* [R. Karrh – Potomac and Patuxent River Basin Summaries](#)

Karrh reviewed summary information on the Potomac and Patuxent River Basins including, loading, trends, and attainment of standards, with Tidal and Nontidal water quality data. More information is available on the Department of Natural Resources [Eyes On The Bay](#) website

including the full Water Quality and Habitat Assessments for the [Potomac](#) and [Patuxent](#) River Basins.

### Summary of Discussion:

- The meeting participants questioned whether the same reporting is done in Virginia of the Virginia River Basins.
- This Report was commended as a good foundation for explaining WQ trends which could be used by the Factors Affecting Trends Action Team.
- This report is currently being used to explain a number of trends for example:
  - The Potomac River Fisheries Commission, is looking at why they are seeing more dead crabs in pots and using this report as a start to their investigation, and
  - Cindy Johnson (VA DEQ) is using this report for a comprehensive look at the lower portion of the Potomac River.
- For tables and graphs regarding the water quality assessments found in the Potomac and Patuxent reports, contact Renee Karrh ([rkarrh@DNR.STATE.MD.US](mailto:rkarrh@DNR.STATE.MD.US))

### Lessons Learned Brochure – Christina Lyerly (UMCES)

*Attachment:* [C. Lyerly – Lessons Learned Brochure Update](#)

Lyerly reviewed the changes that have been made to the Lessons Learned Brochure since the report was sent out for review. Release is scheduled for January 2014.

Revisions to the Brochure include:

- Revised language
- The capture of uncertainty involved in some case studies
- Incorporated rewording suggestions from the TMAW, NTWG and STAR
- The addition of a Glossary
- The expansion of particular lessons
- Clarified graphics where necessary

### Summary of Discussion:

- **ACTION:** Check graphic “Increases in Wheat and Corn yields in 5 counties near the Choptank River (1926-2011)”, Yield (bushels per acre) per year looks large to meeting participants. (Found on Slide 13)
  - Average United States corn yield: 155 bushels per acre, graphic shows yields as high as 800 bushels per acre.
  - Meeting participants believe the graphic may be showing bushels per hectare (approximately 2.5 hectares per acre).
- Meeting participant noted that units for concentrations are not consistent throughout the Brochure, in some graphics  $\mu\text{M}$  are used and other graphics show mg/L.

## **Phase II BASIN Update – Peter Tango (USGS-CBPO)**

As the Chesapeake Bay Program is reviewing approaches to ensure the long-term sustainability of its monitoring networks in the face of federal and state funding reductions, STAR is hosting panel discussions for Phase-II of BASIN to compile case studies from long-term monitoring networks internationally.

- The [first BASIN panel on December 6<sup>th</sup>, 2013](#) will include the following case studies:
  - Great Lakes Monitoring Program
  - Puget Sound Partnership

STAR will also be discussing the following in regards to BASIN:

- At the STAR meeting on November 20, 2013, STAR members will discuss the BASIN timeframe, and the potential for shortening the timeframe for the purpose of meeting the grants deadlines.
- STAR will be incorporating work from the scientific community including Beaver et al. a paper regarding DO monitoring with more frequency and less stations vs. more spatial variability with lower frequency.
  - [DO seminar presentation](#) (5/7/2013)

## **Summary of Discussion:**

- During the BASIN process does funding of the monitoring network get estimated/discussed?
  - A conversation on estimated network costs as well as forecasted costs out to 2025 (for TMDL assessment) will occur during the “Optimization” phase of the BASIN process.
- When will the field crews be involved in the BASIN process?
  - STAR Leadership predicts the 2013-2014 winter months will be a good time to involve the field crews in the BASIN process.

## **CERF Presentations Review – Facilitated by W. Boynton (UMCES-CBL)**

- Caroline Wicks (UMCES-EcoCheck): [“Communicating Chesapeake Bay science and management.”](#)
- Liza Hernandez (UMCES-CBPO): [“Attaining water quality standards in the Chesapeake Bay and its tidal tributaries: a showcase for adaptive management.”](#)
- Lea Rubin (CRC-CBPO): [“The potential influence of climate change on submerged aquatic vegetation trends in the Chesapeake Bay.”](#)
- Isaac Irby (VIMS): [“Skill Assessment of Multiple Models in the Chesapeake Bay.”](#)
- Peter Tango: Gave an overview of the Session SCI-011 Storm Effects on Estuaries: Hurricane Irene, Tropical Storm Lee, and Superstorm Sandy