



Science & Technical Advisory Committee
Fall Meeting
Albemarle-Pamlico National Estuary Partnership
2:00 pm – 4:30 pm
December 1, 2020

[Web-Based Access Only](#)

Meeting Number (Access Code): 178 154 7875

Meeting Password: QMpbSd94iw2

Audio (toll): 1-415-655-0003

AGENDA

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| 2:00 p.m. | Call to Order
Welcome & Introductions
Approval of Summer (September) 2020 meeting notes
Meeting objectives | Dr. Bo Dame, STAC Co-Chair |
| 2:10 p.m. | APNEP Staff Update and Member Reports | Dr. Dean Carpenter, APNEP |
| 2:25 p.m. | APNEP Staff Update on SAV Monitoring Plan | Dr. Dean Carpenter
Dr. Tim Ellis, APNEP |
| 3:00 p.m. | Chlorophyll-a Standards for SAV Protection in APES
A progress report on APNEP-sponsored research in efforts to calibrate a bio-optical model for low- and high-salinity waters within the Albemarle-Pamlico Estuarine System (APES). The benefit of a successful system-specific calibration is confirming the degree to which various water quality parameters (including chlorophyll-a) contribute to photosynthetically-active radiation (PAR) attenuation. Such knowledge supports the degree to which water quality standards need to be modified to protect SAV growth. | Dr. Nathan Hall, UNC-IMS |
| 3:30 p.m. | Chowan River and Albemarle Sound Nutrient Dynamics
A research summary of nutrient limitation on phytoplankton primary production by comparing what was done in the 1980's with more recent bioassays. Those insights will be followed by a discussion of key nutrient inputs to the system: what to further investigate in order to get a better picture of nutrient-production and bloom interactions and ultimately nutrient management in the Chowan-Albemarle Sound "continuum". | Dr. Hans Paerl, STAC |
| 4:00 p.m. | Chowan River Basin Water Resources Plan Development
Reference link: Chowan River Basin Water Resources Plan Draft | Forest Shepherd, NC-DWR |
| 4:25 p.m. | Public Comments and Action Items | Dr. Bo Dame |
| 4:30 p.m. | Adjourn | |

Note: The scheduled times for issue topics are estimates and may vary during the meeting.

All management conference members are reminded of their duty to avoid conflicts of interest or appearances of conflict, and inquire as to whether any member knows of any known conflict of interest or appearance of conflict with respect to matters before the committee. If any member knows of a conflict of interest or appearance of conflict, please so state during the introductions section of the agenda or when requested by the chair