

Submerged Aquatic Vegetation (SAV) Team

Fall Meeting
9:30 AM - 4:00 PM
November 25, 2019

University of North Carolina at Chapel Hill - Institute of Marine Sciences
3431 Arendell Street, Morehead City, NC 28557

<https://apnep.nc.gov/about-apnep/committees/action-teams/submerged-aquatic-vegetation-team>

AGENDA

Meeting Purpose and 2019 Recap

- | | | |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 9:30 | Welcome and introductions | Jud Kenworthy (NOAA - ret.) |
| | Review agenda and meeting goals | |
| | Rationale for this meeting's monitoring focus | |
| 9:40 | Recap of February meeting | Tim Ellis (APNEP) |
| 9:50 | Brief review of 2019 activities | Dean Carpenter (APNEP) / Team |
| | <ul style="list-style-type: none"> • <u>Field</u>: flights, ground-truth, high-salinity sentinel project, low-salinity sentinel sites, NC Aquatic Weed Control Program, others • <u>Non-field</u>: posting of revised (2006-2008) and new (2013) extent coverages, progress on high-salinity extent report, interpretation of 2019 imagery | |

Estuarine Monitoring, Past and Future

- | | | |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 10:20 | Session questions for each of the following SAV metrics: | Dean Carpenter / Tim Ellis |
| | <ul style="list-style-type: none"> • <i>Is there a commitment by partners to support this monitoring activity?</i> • <i>What resources are required to have this monitoring activity continue into the future?</i> • <i>Has this monitoring activity been evaluated (qualitative or quantitative) to meet objectives?</i> • <i>What aspects of the monitoring activity require further development?</i> • <i>Are there relevant on-going or planned research or monitoring activities?</i> | |

METRICS: SAV Extent and Deep-Water Edge

- | | | |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 10:30 | High salinity | Team |
| | <ul style="list-style-type: none"> • Aircraft: season, optimal flight window criteria, ground-truthing (accuracy assessment) • Satellite • Drone | |
| 11:30 | Low salinity | |
| | <ul style="list-style-type: none"> • Boat-based sonar (shore parallel and biovolume) • Drone (shore parallel) | |

- | | | |
|--------------|----------------------------------------|-------------|
| 12:30 | Lunch | |
| | METRIC: SAV Species Composition | Team |

- | | | |
|-------------|-----------------------------------------------------------------------------------------------------------------|--|
| 1:15 | High salinity: native, benthic algae (e.g., Gracilaria) | |
| | <ul style="list-style-type: none"> • Sentinel sites (undetermined) • Ground-truth sites | |

- | | | |
|-------------|--------------------------------------------------------------------|--|
| 2:15 | Low salinity: native, non-native | |
| | <ul style="list-style-type: none"> • Sentinel sites | |

Estuarine Modeling of Water-Stressor Impacts

- | | | |
|-------------|---------------------------------------------------------|------------------------------------------|
| 3:15 | APNEP monitoring strategy linking water quality and SAV | Dean Carpenter / Tim Ellis / Team |
|-------------|---------------------------------------------------------|------------------------------------------|

- | | | |
|-------------|--------------------------------------------------------------------|----------------------|
| 3:45 | Other topics from team members | Team |
| 3:55 | Review new action items and plans for next workshop/teleconference | Jud Kenworthy |
| 4:00 | Adjourn | |

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