Phase I Proceedings Document

• Phase I proceedings summarized by DWR
• Target audience: SAC/CIC
• Document includes:
  • Executive summary
  • Overview of meetings (topics discussed)
  • Overview of supporting materials
  • Prioritized research recommendations and status
  • Appendices include meeting minutes, reports, and research proposals.
Phase I Summary

- Open, APNEP-facilitated workgroup
- 9 meetings from 2014 to 2016
- Parameters considered: pH, DO, clarity, TSS, turbidity, phytoplankton and cyanotoxins, chlorophyll a, nitrogen, and phosphorus
- Original slate of supporting projects undertaken in 2015-2016
Phase I Supporting Projects

- Remote sensing evaluation (NASA)
- Data classification and analysis (Tetra Tech)
- National law and policy review (Sea Grant)

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Phase I Supporting Projects

- Literature compilation (Tetra Tech)
- USGS Albemarle Sound initiatives
- DWR supplementary data analyses
- Criteria development case studies

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Phase I Summary, Continued

- Workgroup fact-finding in early 2016
- Member-generated criteria proposals evaluated by workgroup in late 2016
- Where limitations were evident, further research was proposed and ranked
Prioritized Research for Phase II

• Additional algal toxin surveys
  • Status: some surveys underway

• Clarity optical model
  • Status: not underway, TSS data now being collected for calibration purposes

• Evaluate and summarize historical clarity data
  • Status: preliminary evaluation by DWR staff
Prioritized Research for Phase II

• Nutrient bioassays
  • Status: grant proposal submitted but not funded

• Quantify historical SAV coverage
  • Status: APNEP mapping efforts largely complete, further evaluation of SAV habitat potential not underway

• Evaluate correlations between oxygen-sensitive fish species, habitat utility and seasonality.
  • Existing NOAA resources, but may require further evaluation
What’s next?

• Advancement of ongoing research and data evaluation efforts
• Consideration of criteria by SAC and CIC in Phase II

Potential areas for discussion:
• Application and implications of a clarity standard?
• Chlorophyll $a$ as a seasonal average?
• N & P criteria: whether and how to set?
• Bioconfirmation approach?
APNEP Nutrient Workgroup Website

http://apnep.org/web/apnep/nutrients

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Questions?

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