

Freshwater in the North Carolina Coastal Plain

Understanding and Preparing for 21st Century Challenges

February 16, 2016

at the New Bern Riverfront Convention Center, New Bern, NC

DRAFT AGENDA

Speakers to be announced

8:00-9:00 REGISTRATION

9:00-9:30 WELCOME AND INTRODUCTION

Understanding the Coastal Plain: Giving Context to Regional Challenges

9:30-10:15 RESEARCH, DATA, AND RESOURCES IN THE COASTAL PLAIN

What we know, what we don't know, and what we don't know that we don't know

10:00-10:20 BREAK

10:20-12:00 CONCURRENT SESSION 1

Track A – Supply

Considerations, projections, and concerns related to supply for the coastal plain region?

- Sources of freshwater in the Coastal Plain and associated impacts
- Use, management and distribution of water
- Ensuring future supply through regional planning

Track B - Contaminants

Contamination and water quality challenges, sources, and health implications

- Localized industrial issues and sources of contamination
- Discharges from leaking and failing infrastructure
- Agricultural practices and issues associated with waste management and land application of biosolids, poultry litter, and fertilizers
- Considerations for large and small utilities for addressing emerging contaminants from upstream sources

12:00-1:00 LUNCH (provided on site)

1:00-2:20 CONCURRENT SESSION 2

Track A – Demand

Considerations for current and future demand for freshwater for drinking water, wastewater, and industrial needs?

- Sources of demand – accommodating diverse needs
- Managing demand – anticipating and planning for local demand

Track B – Treatment

Pros, cons, concerns and considerations for treatment options

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- Aquifer storage & recovery
- Centralized treatment options & challenges
- Decentralized treatment options & challenges

2:20-2:45 BREAK

2:45-3:45 ENVIRONMENTAL and HUMAN IMPACTS

Bringing it all together. What does all of this mean? Why do we care? Impacts to health, economy, and the environment.

3:45-4:00 WRAP UP & NEXT STEPS

What do we do with the knowledge that we have of the coastal plain? How do we close the gaps? How do we address needs?

4:00 NETWORKING AND POSTER RECEPTION

Join your fellow researchers, students, and water professionals over hors d'ouvres and beverages to learn more about freshwater in the coastal plain through a special selection of poster presentations. Discuss your ideas for future solutions to issues discussed throughout the day.