

CONSTRUCTED WETLANDS

Creating Multiple Benefits for Your Community and the Environment

AGENDA

Date - Wednesday, March 7, 2018

Location – Caesar Kleberg Wildlife Center

9:30 – 10:00 am

Registration

Time	Topic	Speaker	Affiliation
10:00 – 10:15 am	Welcome and Opening Remarks	Rae Mooney	CBBEP
10:15 – 11:00 am	Constructed Wetlands – Overview, Applications and Benefits	Loretta Mokry	APAI
11:00 – 11:30 am	Wetlands Role in Watershed Protection for the Coastal Bend and the planned Laguna Madre estuary program	Kim Jones	TAMUK ISEE
11:30 – 12:00 noon	Recreation/Ecotourism Opportunities	Loretta Mokry	APAI
12:00 – 1:00 pm	Lunch – sponsored by APAI		
1:00 – 1:45 pm	Costs and Other Considerations for Constructed Wetlands	Tim Noack	APAI
1:45 – 2:45 pm	Potential Funding Sources	Melissa Brewer	APAI
2:45 – 3:00 pm	Questions/Closing Remarks	Rae Mooney	CBBEP

SPEAKER BIOS



Rae Mooney is a Project Manager at the Coastal Bend Bays & Estuaries Program which is a non-profit organization that is dedicated to protecting, researching, and restoring the bays and estuaries in the Texas Coastal Bend. Rae has been conducting and managing research projects on water quality issues in the Texas Coastal Bend for the past 11 years. At the CBBEP, Rae manages projects focused on water quality, climate change, freshwater inflows, and estuarine habitat restoration. Rae received a B.S Degree in Biology from Towson University and a M.S degree in Marine Science from the University of Texas at Austin Marine Science Institute.

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Loretta Mokry is a Professional Wetland Scientist with Alan Plummer Associates Inc. with over 38 years of experience. Loretta works with wetland systems from feasibility studies through detailed design and construction plans, operations and management, and monitoring for numerous wetland projects ranging in size from 2.5 to 2,500 acres.

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Dr. Kim Jones is currently serving as Professor and Director of the Institute for Sustainable Energy and the Environment at Texas A&M University Kingsville. He is a registered Professional Engineer in the States of Georgia and Texas, USA. Dr. Jones leads research groups focused on innovation in green infrastructure, constructed wetlands, biological based pollution control, and waste to energy technology. In 2013, Dr. Jones was recognized as a Distinguished Research Faculty by the Javelina Alumni Association and in 2017 was honored with the Texas A&M University System Regents Professor Award. He received his B.S. Degree from the United States Military Academy at West Point in General Engineering, a Master's Degree from the University of Texas at Austin in Petroleum Engineering, and Masters and Doctoral Degrees in Environmental Engineering from Georgia Tech.

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Timothy Noack is a registered professional engineer and principal with Alan Plummer Associates, Inc. (Dallas, Texas). He leads the Natural Systems design team and has over 25 years of civil and environmental engineering experience. Tim has served as principal-in-charge or project manager on numerous constructed wetland projects ranging in size from 2.5 to 2,000 acres with a combined construction cost of over \$80 million. His experience includes conducting feasibility studies, detailed design, construction management, project commissioning, and operations and management support. Applications have included treatment wetlands for municipal and industrial wastewaters; polishing for indirect potable and direct non-potable reuse; and restoration and creation of wetlands for compensatory mitigation and habitat improvement.

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Ms. **Melissa Brewer** is a relatively recent addition to Alan Plummer Associates, Inc. (APAI) in Corpus Christi, Texas as a Scientist. Before joining APAI, she was a Research Specialist II for the Harte Research Institute for Gulf of Mexico Studies (HRI) at Texas A&M University-Corpus Christi (TAMU-CC). She received a B.S. in Biology and a B.S. in Zoology from North Carolina State University and she received her M.S. in Marine Biology from Texas A&M and TAMU-CC. Prior to advancing her education, Ms. Brewer worked in the financial services industry for 6 years. Under the direct supervision of the Chief Operating Officer for HRI, Ms. Brewer's diverse background in both finance and science allowed her to support, facilitate and coordinate research activities for multiple, concurrent, multifaceted HRI projects like the Texas OneGulf Center of Excellence, the Biodiversity of the Southern Gulf of Mexico, and C-IMAGE. Now, she applies her experience in finance and science to assist clients of APAI.

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