Preliminary Poster Program & Schedule

August 15, 2013

This preliminary program is intended for planning purposes only. For additional updates as the conference approaches, please visit: http://www.sgmeet.com/cerf2013.
Monday, November 4, 2013 (5:00–7:00PM, Grand Hall)

SCI-001P BRIDGING THE GAP BETWEEN EUTROPHICATION ASSESSMENT FRAMEWORKS AND NUTRIENT WATER QUALITY CRITERIA (POSTERS).

Santell, Stephanie; Crawford, Tiffany; Kaufman, Galen; Hagy, James; Oliver, Jacques; Decker, Ed. Advancing the science for developing numeric nutrient criteria for estuarine and coastal waters.

Gutierrez, Francisco Jose; Torres, Maria del Rocio; Castañeda, Ofelia. Trophic state of coastal lagoons of the Veracruz State, Mexico (Gulf of Mexico) related to watershed land cover.

SCI-002P COMPARATIVE UNDERSTANDING OF ESTUARINE EUTROPHICATION TIPPING POINTS AND RESTORATION TRAJECTORIES (POSTERS).

Gonzalez-De Zayas, Roberto; Merino-Ibarra, Martin; Castillo-Sandoval, Fermin S.; Valdespino-Castillo, Patricia M.; Guimaraes Bermejo, Mayrene. Coexisting alternative stable states at a tropical coastal lagoon (Laguna Larga, Cuba) under eutrophication and hydromorphological stresses.

Page, Heather N.; Posey, Martin H.; Alphin, Troy D.. Particle Overload! The Eastern oyster's role in biogeochemical cycling under chronic exposure of sediment and nitrate.

SCI-005P NUTRIENT FLUXES AND NUTRIENT ACCOUNTING IN COASTAL CATCHMENTS AND WATER BODIES: METHODS AND APPLICATIONS (POSTERS).

Stecher, Hilmar A.; McKane, Robert B.; Brookes, Allen; DeWitt, Theodore; Brown, Cheryl; Kaldy, James E.. Development of an ecohydrological salt marsh model.

Fischer, Sarah J.; Ullman, William J.; York, Joanna K.. Seasonal patterns of $\delta^{15}$N and $\delta^{18}$O of NO$_3^-$ in the Murderkill River Watershed and Estuary, DE.

Talavera, Ana L.; Sanchez, Alberto; Ortiz, Concepcion. Stable isotopes of nitrogen in green turtle (Chelonia mydas) from a foraging area at the Mexican Caribbean.

Hernandez, Oscar G.; Herzka, Sharon Z.; Camacho-Ibar, Victor F.. Characterization of short-term nitrogen sources for seagrasses and macroalgae in a lagoon subject to coastal upwelling events based on stable isotopes of nitrogen.

Yactayo, Guido. Chesapeake Bay Program Watershed Model Simulations using NLDAS-II Precipitation & Meteorological datasets.

SCI-007P TRANSLATIONAL SCIENCE: THE COMPLEXITIES OF WATERSHED AND ESTUARINE RESTORATION EFFORTS (POSTERS).

Newcomer, Tamara A.; Kaushal, Sujay S.; Mayer, Paul M.; Groffman, Peter M.; Grese, Melissa M.. Effects of integrated stormwater management and stream engineering on watershed nitrogen retention.

Dolan, Tara; Serafy, Joseph. Effect of season and scale on power to detect change in mangrove fish
assemblages of a converted estuary.

**SCI-008P PAST AND PROBABLE FUTURE IMPACTS OF A RISING SEA ON DIFFERENT GEOMORPHIC ENVIRONMENTS (POSTERS).**

*Etheridge, Sherer B.; Christian, Robert R.; Brinson, Mark M.* *Juncus roemerianus* patch stability and community shifts across a marsh.

*Poppe, Katrina; Rybczyk, John M.* An ecogeomorphic field and hybrid modeling approach to predicting a coastal wetland response to sea level rise.

**SCI-013P MARSHES, STORMS, AND SEA LEVEL RISE: SYNTHESIS OF ECOLOGIC, GEOMORPHIC, AND GEOSPATIAL ANALYSES (POSTERS).**

*Young, Chanel J.* A snail’s pace: Density, movement, and food choice of the marsh periwinkle.

*Ruiz-Fernández, Ana Carolina;* Sanchez-Cabeza, Joan-Albert; Serrato de la Peña, José Luís; Bojórquez-Sanchez, Sara; Pérez-Bernal, Libia Hasçibe; Flores-Verdugo, Francisco; Cearreta, Alejandro; Feng, Guiping; Jin, Shuanggen; Machain Castillo, Maria Luisa. Is recent saltmarsh accretion related to sea level change? Examples from Mexico.

*Corman, Sarah S.;* Ivens-Duran, Morgan; Bertness, Mark D.; Davey, Earl; Deegan, Linda A.; Leslie, Heather M. Flowering and biomass allocation in the salt marsh foundation species *Spartina alterniflora*.

*Walters, Linda;* Solomon, Joshua; Donnelly, Melinda; Sacks, Paul. Sea level rise: field simulations with the intertidal oyster *Crassostrea virginica*.

*Freeman, Chase M.;* Thorne, Karen; Takekawa, John; Guntenspergen, Glenn; Buffington, Kevin; MacDonald, Glen; Ambrose, Rich; Ganju, Neil; Dugger, Bruce. Assessing the effects of sea-level rise of Pacific coast tidal marsh ecosystems along a latitudinal gradient.

*McLenaghan, Natalie;* Alber, Merryl; Alexander, Clark. Shoreline stabilization under shifting seas: Urbanization trends and upland connectivity in salt marsh ecosystems.

*Garvis, Stephanie K.;* Weishampel, John F. Seagrass habitat suitability modeling under varying sea level rise scenarios in the Northern Gulf of Mexico.

*Howard, Rob;* Allen, Tom; Covi, Michelle. North Carolina Coastal Atlas: a tool for estuarine research and communication.

**SCI-015P ACIDIFICATION AND HYPOXIA IN ESTUARIES (POSTERS).**

*Afonso, Gelies L.;* Caffrey, Jane M. Influence of environmental factors on diversity and abundance of meiofauna in three Florida estuaries.

*Song, Jini;* Yoon, Byung-il; Kim, Jongwook; Woo, Seung-Buhm. Spatial and temporal variability of bottom dissolved oxygen concentration in Youngsan Reservoir, South Korea.
Burrell, Rebecca; Keppel, Andrew; Clark, Virginia; Breitburg, Denise. A LabVIEW-based automated control system for flow-through diel-cycling hypoxia and pH experiments, and overview of effects on the eastern oyster.

Stoffel, Heather; Coupland, Catherine; Oviatt, Candace; Kiernan, Susan; Requintina, Edwin. Characterizing hypoxic events as an assessment tool for managers within Narragansett Bay, RI.

Basch, Larry; Helms, Alicia; DeMarzo, Adam; Rumrill, Steve. Variation in pH at multiple scales and addition of continuous pCO2 measurements in the South Slough estuary, Oregon.

Chen, Jianfang; Wang, Bin; Jin, Haiyan; Li, Hongliang; Wang, Kui. Biogeochemical processes of the formation of hypoxia water off the Changjiang Estuary.

SCI-027P UNRAVELING THE "BLACK BOX" OF MIGRATION WITH NOVEL METHODS (POSTERS).

Limburg, Karin E.; Wuenschel, Mark J.. Phylogenetic constraints on elemental uptake in flounder otoliths: aid to interpreting migration and other life history events.

Gieseking, Melissa W.; Rechimuth, Jessica. Do they stay or do they go? A study of site fidelity among Mugil cephalus and Mugil curema along the mid-South Atlantic Bight.

SCI-029P BIO-OPTICAL TECHNIQUES FOR IN SITU PLANKTON RESEARCH: WHERE ARE WE NOW? (POSTERS).

Novoa, Stéfani; Wernand, Marcel. Citizen science, smartphones and the color of natural waters.

Chen, Jixin; Cao, Zhen; Qian, Chengsui; Huang, Bangqin. In situ observation of phytoplankton dynamics in the Xiamen Estuary (China) by combination of multiple techniques.

Travis, Nicole M.; Parker, Alexander E.; Wilkerson, Frances P.; Dugdale, Richard C.. PhytoFlash™ active fluorescence probe: applications in a turbid estuary, San Francisco Bay, CA.

SCI-031P TROPHIC SUBSIDIES IN COASTAL ECOSYSTEMS: IMPLICATIONS FOR COASTAL MANAGEMENT (POSTERS).

Strong, Shannon E.; Wilkerson, Frances P.; Parker, Alexander E.. Nitrogen and chlorophyll a flux between a restored tidal marsh and an adjacent bay in the San Francisco Estuary.

SCI-034P PLANKTONIC FOOD WEBS IN AN ERA OF GLOBAL ENVIRONMENTAL CHANGE (POSTERS).

McGlaughon, Benjamin D.; Kimmel, David G.; Wetz, Michael; Cira, Emily; Paerl, Hans. Spatial and temporal variability of the mesozooplankton community in relation to the chlorophyll maximum of the Neuse River Estuary, North Carolina USA.

Jackson, Ronnesha L.; Fredrickson, Kerri; Kolb, Amelia; Strom, Suzanne. Synechococcus sp. strain WH8102 induced defense mechanisms against Ochromonas.

Elliott, David T.; Bukaveckas, Paul A.. Temporal dynamics of the dominant zooplankton in the tidal-

**SCI-036P PERCEPTIONS OF ENVIRONMENTAL MODELS AND STAKEHOLDER PARTICIPATION (POSTERS).**

*Turner, Elizabeth; Fitzpatrick, James.* Scenario-based forecasts in support of regional coastal management.

**SCI-037P TRANSFERABILITY OF MODELS FOR PREDICTING ECOSYSTEM SERVICES (POSTERS).**

*Sweatman, Jennifer L.; Fourqurean, James.* Light availability and benthic community structure in the Florida Keys.

*Dantin, Darrin; Teague, Aarin; Russell, Marc; Harwell, Matthew; Almaro, Alex; Harvey, James; From, Andrew.* Hydrologic connections and landscape metrics to advance ecosystem goods and services in the Tampa Bay watershed.

**SCI-041P RESILIENCE IN COASTAL ECOSYSTEMS: IMPACT OF STRESSORS ON RESILIENCE, STABILITY, AND RECOVERY IN COMMUNITIES DOMINATED BY SEAGRASS OR BENTHIC ALGAE (POSTERS).**

*Rostin, Liis; Martin, Georg.* Short- and long-term effects of mechanical disturbance of shallow hardbottom benthic communities in NE Baltic Sea.

*Foley, Jessica L.; Harris, Lora A.* The effects of local environmental conditions on the specific growth rates of eelgrass seedlings and seed germination.

*Landry, J. Brooke; Golden, Rebecca; Karrh, Lee; Lewandowski, Mark.* The effects of hardened shorelines on SAV in the Chesapeake and Maryland Coastal Bays.

*Voigt, Erin; Hovel, Kevin.* The effect of structural complexity on the interaction strength of key consumers in a temperate seagrass ecosystem.

*DeYoe, Hudson R.; Kowalski, Joseph L.; Pulich, Warren M.* Freshwater inflow impacts on seagrasses in a subtropical lagoon.

*Hunt, Natalie G.; Caffrey, Jane M.; Smith, Ashlynn; Fugate, Beth.* Seasonal changes of water column chlorophyll a, nutrients and epiphyte biomass in restored and native seagrass beds in Pensacola, FL.

*Ferrier, Lisa; Gaeckle, Jeffrey; Short, Fred.* SeagrassNet: Seasonal monitoring of two seagrasses, *Zostera marina* and *Zostera japonica*, at Dumas Bay, Washington.

**SCI-042P RESILIENCE IN COASTAL ECOSYSTEMS: EVALUATING AND CONSERVING RESILIENCE IN INDO-PACIFIC COASTAL MARINE HABITATS (POSTERS).**

*Gwak, Woo Seok; Park, Jun Su; An, Soon Mo.* Importance of estuarine habitats for larval and juvenile fishes in Danghang bay, Korea.

*Hori, Masakazu; Hamaoka, Hideki; Shimabukuro, Hiromori; Nakaoka, Masahiro; Yoshida, Goro; Hamaguchi, Masami.* Trade-offs between provisioning and regulating services in seagrass ecosystem.
SCI-044P ENGINEERING WITH NATURE: STRIVING FOR SUSTAINABLE, MULTI-OBJECTIVE COASTAL INFRASTRUCTURE (POSTERS).

Conley, Keats R.; Sutherland, Kelly R.. Substrate selection preferences by planulae of the Pacific sea nettle, *Chrysaora fuscescens*.

SCI-045P DISTURBANCE AND STRESSOR IMPACTS ON MICROBIAL COMMUNITIES AND BIOGEOCHEMICAL FEEDBACKS (POSTERS).

Drennen, Chanda; Engel, Annette; Turner, R. Eugene. Response and recovery of microbial communities in Louisiana coastal marshes after the Deepwater Horizon spill and the possible implications for marsh erosion.

SCI-047P DRIVERS AND ECOLOGICAL EFFECTS OF HYPOXIA IN COASTAL UPWELLING SYSTEMS (POSTERS).

Booth, J. Ashley T.; Woodson, C. Brock; Micheli, Fiorenza; Weisberg, Steve B.; Sutula, Martha; Bograd, Steven; Steele, Alex; Schoen, Julia. Patterns of declining oxygen content along the southern California coast.

Sato, Kirk; Navarro, Michael; Nam, SungHyun; Takeshita, Yuichiro; Ballard, John; Hernandez Lopez, Elvira; Neira, Carlos; Grupe, Benjamin; Levin, Lisa; Frieder, Christina. Temporal responses of benthic metazoan communities in persistent hypoxic and hypercapnic environments along San Diego's continental margin.

Hernandez Lopez, Elvira; Neira, Carlos; Mendoza, Guillermo; Frieder, Christina; Levin, Lisa A.. Meiofauna community response to low oxygen concentration along the San Diego Margin.

SCI-054P EXPLORING APPROACHES TO UNDERSTANDING DECISION MAKERS' SCIENCE NEEDS (POSTERS).

Yee, Susan H.; Fulford, Richard S.; Carriger, John; Russell, Marc. Linking community values to scientific assessment of decision options with structured decision making.

Leonard, Lynn; Dorton, Jennifer. Approaches to understanding and meeting the needs of decision makers in the Carolinas.

SCI-056P SCIENCE COMMUNICATION STRATEGIES FOR ECOSYSTEM-BASED MANAGEMENT (POSTERS).

Munoz, Gabriela; Boicourt, Kate; Nyman, Robert. The State of the Estuary: Communicating environmental health and trends to the interested public.

SCI-062P GLOBAL PATTERNS OF PHYTOPLANKTON DYNAMICS IN ESTUARINE AND COASTAL ECOSYSTEMS (POSTERS).

Stark, Kimberle; Hannach, Gabriela. Puget Sound weather, phytoplankton, and nutrients: who's driving this train?
Chen, Changping; Xu, Hualin; Gao, Yahui; Li, Qingyu; Qian, Ling; Zheng, Minhua. Variations of phytoplankton community in Shenzhen Bay, China.

Martin, Charles; Kress, Erica; Schraga, Tara; Cloern, James E.. Seasonal patterns of three key phytoplankton species in San Francisco Bay.

Flood, Stacie; Burkholder, JoAnn; Cope, W. Gregory. Comparative ecotoxicology of benign and toxigenic estuarine phytoplankton responses to an agricultural herbicide.

Boyette, Adam D.; Redalje, Donald G.. Primary productivity along the river-dominated shoreline of the Bay of Saint Louis estuary, Mississippi: temporal and spatial variability.

SCI-064P HYDRODYNAMICS AND SEDIMENT DYNAMICS IN ESTUARIES AND COASTAL SEAS (POSTERS).

Brown, Jenny; Bolaños, Rodolfo; Howarth, Michael; Souza, Alejandro. Extracting sea level residual from short time series in tidally dominated estuarine environments.

Souza, Alejandro J.; Burchard, Hans. A comparison on the prediction of tidal mixing fronts using the nondimensional Simpson and Hunter parameter and the Stokes number.

Woo, Han Jun; Kang, Jeongwon; Lee, Jun-Ho; Jeong, Kap-Sik. Seasonal changes of sedimentary environment at the macrotidal flat in Gomso Bay, west coast of Korea.

Blair, Emily; Schroeter, Steve; Page, Mark; Deza, Andres; Patonai, Katalin; Elwany, Hany. Novel use of an Acoustic Doppler Current Profiler to reconstruct long-term tidal prism measurements in a small Southern Californian tidal lagoon.

Williams, Joshua R.; Dellapenna, Timothy; Lee, Guan-hong. Geomorphological responses to anthropogenic alterations within the Nakdong and Yeongsan Estuaries, South Korea.

Tenorio-Fernández, Leonardo; Gómez-Valdés, José; Enríquez, Cecilia; Treviño, Cesar; Mariño-Tapia, Ismael; López-Aguirar, Korinthia. Tides and tidal currents in a coastal lagoon of the Gulf of Mexico.

Garwood, Jessica C.; Hill, Paul S.. Seasonal and biofilm effects on sediment erosion and sorting in an intertidal mudflat in the Bay of Fundy, Canada.

Yoon, Byung il; Woo, Seung-Buhm; Kim, Jong-Wook; Song, Jin il. The characteristics of along-channel salinity distribution in a macrotidal estuary, Gyeonggi Bay, South Korea: Field measurements and numerical model results.

White, David A.. Climate change characteristics of warming and weather extremes the focus of intra- and inter-annual change in wetland plant biomass within the Mississippi River delta, Louisiana, among other environmental parameters.

Cartwright, Grace M.; Friedrichs, Carl T.. Sediment settling velocity from ADVs and settling tubes: agreement over a range of particle types and hydrodynamic conditions.

Valle-Levinson, Arnoldo; Schettini, Carlos Augusto Franca; Truccolo, Eliane. Response of a subtropical stratified estuary to river pulses.


Chant, Robert. Moored observations of tidal and spring neap variation in stratification and exchange flow across six estuaries.

Horwitz, Rachel; O'Donnell, James. Model and observations of eastern Long Island Sound.


SCI-066P INTEGRATING SCIENCE AND MANAGEMENT TO BENEFIT ESTUARINE AND COASTAL ECOSYSTEM RESTORATION (POSTERS).

Wishnek, Benyamin; Adamus, Paul; Bridgeland, Bill. Avian response to tidal salt marsh restoration at Bandon Marsh National Wildlife Refuge in southern Oregon.

Dalrymple, D. Joseph; Carmichael, Ruth H.. Effects of ontogeny on bioremediation capacity of oysters.

Viola, Sloane; Hubbard, Dave; Dugan, Jenifer; Schooler, Nicholas. Burrowing in beach fill: implications for recovery of sandy beach ecosystems.

Coldren, Sharon L.; Reed, Patricia C.; Gray, Sarah C.. A model of science-driven, community-based efforts to mitigate watershed erosion and land-based sedimentation to coral reefs in Coral Bay, US Virgin Islands.


Teague, Ruby; Harrington, Robert; Gray, Sarah C.; Hsieh, Yi-Chen. The impact of watershed development on turbidity (TSS) in bays with coral reefs, US Virgin Islands.

SCI-067P INTERACTIONS OF BIVALVE AQUACULTURE AND ESTUARINE BIOGEOCHEMICAL PROCESSES (POSTERS).

Emery, Kyle A.; Rheuban, Jennie E.; Pace, Michael L.; McGlathery, Karen J.. The carbon sink potential of shellfish aquaculture.

Ray, Nicholas; Terlizzi, Daniel; Kangas, Patrick. Upstream and downstream water quality near an oyster aquaculture facility.
Kuschner, Michael A.; Brush, Mark J.. Modeling the effect of hard clam (*Mercenaria mercenaria*) aquaculture on system-level processes within Cherrystone Inlet, VA.


Ayvazian, Suzanne; Carey, Joanna; Hancock, Boze; Brown, Steven; Fulweiler, Robinson W.. Oyster reef restoration and aquaculture impacts on denitrification and the benthic community.

**SCI-073P MARINE DEBRIS MONITORING AND ASSESSMENT: RESEARCH TO GUIDE PREVENTION (POSTERS).**

Krimsky, Lisa; Watson, Mallory; Lipshultz, Zach. Application of a marine debris reporting system to target removal efforts along the Florida Keys Reef Tract.

**SCI-074P SOUTH AND CENTRAL AMERICAN ESTUARIES AND COASTS (POSTERS).**

Branyon, Jacqueline M.; Valle Levinson, Arnoldo. Salt water intrusion at a point source of submarine groundwater discharge in a reef lagoon.

Möller, Osmar O.; Abe, Marcos P.; Odebrecht, Clarisse; Abreu, Paulo C.; Vieira, João P.; Garcia, Alexandre M.. The seasonal, interannual and longer term variability of the circulation of Patos lagoon and associated processes.

**SCI-075P1 ECOLOGY OF COASTS AND ESTUARIES: ECOSYSTEMS (POSTERS).**

Port, Alex; Bryan, Karin R.; Pilditch, Conrad A.; Bischof, Kai; Hamilton, David P.. Using simple models to understand estuarine macroalgae blooms.

Howard, Rebecca J.; Wells, Christopher J.; Michot, Thomas C.. Coastal marsh resiliency following disturbance associated with seismic exploration for oil and gas reserves.

Fitzgerald, Megan C.; Whitcraft, Christine; Allen, Bengt J.. The relationship between biodiversity and ecosystem function in a coastal wetland.

Robuck, Anna R.; Mallin, Michael A.; McIver, Matthew R.. The impacts of urban, suburban, and rural stormwater runoff on selected metabolic processes within Southeastern North Carolina tidal creeks.

**SCI-075P2 ECOLOGY OF COASTS AND ESTUARIES: NUTRIENTS AND PHYTOPLANKTON (POSTERS).**

Rothenberger, Megan B.; Swaffield, Thomas; Calomeni, Alyssa; Cabrey, Carolyn. Fifty years later: re-examining the cultural eutrophication problem in Raritan Bay, NJ using environmental monitoring and multivariate ordination techniques.

Joo, Hui Tae; Kang, Jae jung; Park, Jung Woo; Lee, Sang Heon; Lee, Jang Han. Seasonal macromolecular compositions of phytoplankton in the Gwangyang Bay, South Sea of Korea.

Lee, Sang Heon; Lee, Jang Han; Joo, Hui Tae; Park, Jung Woo; Kang, Jae Jung. Seasonal variation of phytoplankton productivity in the Gwangyang Bay, Southern Coastal Sea of Korea.
Liu, Xin; Xiao, Wupeng; Wang, Lei; Zhong, Chao; Huang, Bangqin. Seasonal quasi-climatological variations of phytoplankton community structure in the East China Sea.

Li, Hongliang; Chen, Jianfang; Jin, Haiyan; Yu, Xiaoguo; Wang, Kui; Huang, Daji; Wang, Bin; Zhuang, Yanpei. Isotope constraints on particulate organic carbon source and biogeochemical process in the East China Sea.

Cai, Lizhe; Fu, Sijing; Wu, Chen; Zhuo, Yi; Chen, Xinwei; Li, Xiang; Rao, Yiyong. Study of meiofauna in Zhanjiang Mangrove in Guangdong, China.

Younan, Lawrence. Determination of phytoplankton groups using Turner Designs' PhytoFind.

Bredvik, Jessica; Graham, Suzanne; Boerger, Christiana; Lattin, Gwen; Zellers, Ann. Spatial and temporal distribution and abundance of ichthyoplankton from 2012-2013 in San Diego Bay.

Salvador, Bianca; Bersano, José G.. Zooplankton composition and abundance in a subtropical estuary (Paranaguá Bay, Southern Brazil).

Nascimento, Lorena S.; Salvador, Bianca; Bersano, José G.. Hydromedusae in the surf zone of a subtropical sandy beach (Pontal do Sul, Southern Brazil).


Herrera-Silveira, Jorge A.; Merino, Fany; Aguilar, Ana; Moreno, Iliana; Okolodkov, Yuri; Hernández-Almeida, Oscar U.; Cruz-Trejo, Giuliana I.. Harmful algal blooms in the northern Yucatan Peninsula.

SCI-075P3 ECOLOGY OF COASTS AND ESTUARIES: ORGANISMS (POSTERS).

Coleman, Austin L.; Mannix, Sierra; Hammack, April; Reichmuth, Jessica; Abdulovic-cui, Amy. Successfully sequencing swimming crab mitochondrial DNA: Diversity of blue crabs and speckled crabs of the southeastern Atlantic coast.

Pelletier, Marguerite C.; Frithsen, Jeffrey. Use of historic data to understand benthic community changes in Narragansett Bay.

Thomas, Roger L.; Kreeger, Danielle A.; Mills, Melanie; Cole, Priscilla; Butler, Lance. Freshwater mussel diversity and abundance versus depth in the tidal Delaware Estuary.

Gut, Jennifer A.; Reichmuth, Jessica M.; Curran, Mary Carla. Abundance and distribution of fishes at estuarine and coastal sites near the mouth of the Savannah River, Georgia.

Tremont, Rachel M.; Harding, Juliana M.; Allen, Dennis M.. Is there an advantage to being early? Lessons from temperate reef fish larvae.

Buchsbaum, Robert N.; Clark, Wesley A.. Selection of estuarine feeding habitats by snowy and great egrets in the Plum Island Sound estuary, northeastern Massachusetts.
Hosack, Geoff; Bosley, Katelyn; **Dumbauld, Brett**. Use of intertidal oyster aquaculture, eelgrass and unstructured habitats by juvenile salmon in Willapa Bay, Washington.

**Dillon, Kevin S.**; Peterson, Mark S.. Elucidating food web dynamics of artificial oyster reefs in Mississippi Sound.

**SCI-075P4 ECOLOGY OF COASTS AND ESTUARIES: SEAGRASS (POSTERS).**


Bosley, Katelyn M.; Dumbauld, Brett; Copeman, Louise. Identification of thalassinidean shrimp food sources in an Oregon estuary using fatty acid analysis and stable isotope ratios (C,N,S).

McElroy, Thomas; Smith, Teresa; Araujo, Lucianna; Mutchler, Troy. Population genetic structure and spatial delineation of the seagrasses *Thalassia testudinum* and *Halodule wrightii* in the Gulf of Mexico near the Florida and Alabama coastlines.

Park, Sang Rul; Lee, Kun-Seop; Kang, Yun Hee; Kim, Sangil. Carbon, nitrogen, and phosphorus incorporation by the intertidal seagrass *Zostera japonica* in the intertidal zone.

Sherman, Kate; Ryan, Andrew; Berry, Helen; Ferrier, Lisa; Bailey, Allison; Kenny, Matt. Marine Vegetation Atlas: An ArcGIS server application for sharing and exploring eelgrass and kelp data in Washington.

**SCI-079P SOCIO-ECONOMIC SCIENCES FOR COASTS AND ESTUARIES (POSTERS).**

Aven, Allen; Carmichael, Ruth H.; Ingram, Dianne. Correcting spatial bias in wildlife citizen-surveys: Integrating manatee sighting reports with GPS tag data.

Leuchanka, Natallia; Paolisso, Michael; Wainger, Lisa; Needelman, Brian; Johnson, Katherine J.; Land, Sasha; Tjaden, Robert; Leason, Diane. Socio-economic assessment and coastal marsh resilience on the Chesapeake Bay.
Wednesday, November 6, 2013 (5:00–7:00PM, Grand Hall)

**SCI-004P ALTERNATIVE NUTRIENT MANAGEMENT STRATEGIES: CREATIVE SOLUTIONS TO A COMPLEX PROBLEM (POSTERS).**

**Lemon, Mary Grace T.; Posey, Martin H.; Mallin, Michael A.; Alphin, Troy D..** Oyster filtration versus passive structural impacts of *Crassostrea virginica* reefs on removal of particulates.

**SCI-009P ADAPTING TO SEA LEVEL RISE: LOCAL COMMUNITIES AND THEIR CRITICAL INFRASTRUCTURE (POSTERS).**

**Boicourt, Kate; Lehmann, Zachary; Munoz, Gabriela; Nyman, Robert.** Case studies in sea level rise planning: public access in the NY-NJ Harbor Estuary.

**SCI-010P CITIES ON THE COAST: PRESENT AND FUTURE CHALLENGES, WITH LESSONS LEARNED FROM SUPERSTORM SANDY (POSTERS).**

**Yáñez-Arancibia, Alejandro; Day, John W.; Reyes, Enrique.** Climate change and hurricanes in the Gulf of Mexico: ecological and socio economic implications.

**SCI-011P STORM EFFECTS ON ESTUARIES: HURRICANE IRENE, TROPICAL STORM LEE, AND SUPERSTORM SANDY (POSTERS).**

**Poirrier, Michael; Dunn, Crystal; Caputo, Claire; Flowers, George; Adams, Jordan.** Rangia clam decline in Lake Pontchartrain: Effects of enhanced storm surges due to sea level rise, an increase in the frequency and severity of hurricanes and marsh and barrier island loss.

**SCI-012P SENTINEL SITES: A NATIONAL NETWORK TO MONITOR SEA LEVEL IMPACTS (POSTERS).**

**Stagg, Camille L.; Sharp, Leigh Anne; McGinnis, Thomas; Snedden, Gregg.** Submergence Vulnerability Index development and application to Coastwide Reference Monitoring System sites and Coastal Wetlands Planning, Protection and Restoration Act projects.

**SCI-014P DRIVERS AND CONSEQUENCES OF NEARSHORE OCEAN ACIDIFICATION (POSTERS).**

**Shukla, Priya; Edwards, Matthew S..** Characterizing the effects of climate change on photosynthesis for embryonic and juvenile sporophytes of *Pterygophora californica* and *Laminaria farlowii*.

**Coupland, Catherine; Stoffel, Heather; Oviatt, Candace; Kiernan, Sue; Requintina, Edwin.** Examining ocean acidification in estuarine waters using the Narragansett Bay Fixed Site Monitoring Network.

**Basilio, Anthony; Searcy, Steven; Reynolds, Nathalie.** The effects of elevated CO₂ concentrations on prey capture, growth and mortality in larval white seabass (*Atractoscion nobilis*).

**Ávila López, M.Carmen; Hernández-Ayón, J.Martín; Norzagaray López, Orión; Camacho Ibar, Víctor F.;**

**SCI-019P EXTENDING ACIDIFICATION MODELING FROM THE OCEAN TO ESTUARIES (POSTERS).**


**SCI-020P ACIDIFICATION OBSERVING NETWORKS AND DATA SHARING (POSTERS).**

Subramanian, Vembu; Hernandez, Debra; Porter, Dwayne; Cothran, Jeremy; Ramage, Dan; Dorton, Jennifer. Southeast Coastal Ocean Observing Regional Association Data Management System: Fostering data access and visualization of coastal ocean observations in the Southeast US.

**SCI-021P DYNAMICS, IMPACTS, OR CONTROL OF INVASIVE SPECIES (POSTERS).**

Obaza, Adam; Williams, Jonathan. The fouling community assemblage of overwater structures within the Southern California Bight.

Sorensen, Kara; Swope, Brandon; Kirtay, Victoria; Harris, Leslie; Phillips, Tony; Bredvik, Jessica; Graham, Suzanne. Marine Ecologic Index Survey of San Diego Bay July 2011.

Bulthuis, Douglas A.; Bohlmann, Heath; Burnett, Nicole; Shull, Suzanne. Seasonal growth of two seagrasses with overlapping distribution in the Pacific Northwest: The non-native eelgrass, *Zostera japonica* and the native eelgrass, *Zostera marina*.

Young, David R.; Clinton, Patrick J.; Specht, David T.; Mochoncollura, Tchris. Has the exponential expansion of the invasive dwarf eelgrass *Zostera japonica* in Yaquina Estuary, Oregon impacted the distribution of the native eelgrass *Zostera marina*?

Reisalu, Greta; Herkül, Kristjan; Pärnoja, Merli. Habitat differentiation of sympatric native and invasive gammarids (Crustacea, Amphipoda).

Wong, Melisa C.; Dowd, Michael. Towards an ecosystem model for predicting effects of invasive colonial tunicate fouling on eelgrass (*Zostera marina*) growth.

Bisson, Beth; Eberhardt, Alyson; Pederson, Judith. A regional approach to preventing the invasion of the Chinese mitten crab in the Gulf of Maine.


Schneider, Rosa; Boyer, Katharyn. Investigating rarity in an endemic wetland thistle.

**SCI-022P RESTORING WETLAND FUNCTION BY CONTROLLING INVADERS: SPARTINA AND PHRAGMITES (POSTERS).**

Feinstein, Laura; Thornton, Whitney; Hann, Courtney; Grosholz, Ted. How do edaphic characteristics
influence native Pacific Cordgrass restoration success across tidal elevations?

**SCI-023P THE RELEVANCE OF BIOLOGICAL INVASIONS ON ECOSYSTEM FUNCTIONING (POSTERS).**

Toothman, Byron R.; Duernberger, Kimberley A.. Denitrification within drifting mats of *Gracilaria vermiculophylla*.

**SCI-025P RESEARCH AND THE CLASSROOM: CONNECTIONS BETWEEN SCIENTISTS AND EDUCATORS (POSTERS).**

Cameron, Marina R.; Lerczak, James; Lemagie, Emily. Introducing flow modeling at a younger age - a video for numerical modeling concepts in high school.

Cammarata, Kirk V.; Mozzachiodi, Riccardo. A marine microbiome application for the undergraduate molecular biology laboratory.

**SCI-026P GENOMIC TOOLS IN MARINE ECOSYSTEM MONITORING AND ASSESSMENT, WITHIN OCEAN POLICY LEGISLATION AND GOVERNANCE (POSTERS).**

Aylagas, Eva; Rodriguez-Ezpeleta, Naiara; Borja, Ángel. Genomic resources of the AZTI's Marine Biotic Index species: an endeavor in facilitating monitoring and assessment in marine waters.

**SCI-028P ECOLOGICAL TRACERS IN COASTAL ECOSYSTEMS: PATH TO SUSTAINABILITY (POSTERS).**

Gaeckle, Jeffrey L.; Stowe, Jessica; Kreamer, Kiri. The assessment of nutrient, metal, and organic contaminant concentrations in eelgrass (*Zostera marina* L.) in Puget Sound, WA (USA): A project overview.

**SCI-035P NUMERICAL MODELING OF ESTUARINE AND COASTAL SYSTEMS (POSTERS).**

Kim, Jong Wook; Yoon, Byung Il; Song, Jin Il; Woo, Seung Buhm. A numerical study of relationships between freshwater discharge and horizontal isohaline in Yeoungsan River Estuary, South Korea.

Irby, Isaac; Friedrichs, Marjy; Feng, Cathy; Hood, Raleigh; Friedrichs, Carl. Skill assessment of multiple models in the Chesapeake Bay.

Mao, Miaohua; Xia, Meng. Application of unstructured wave model to Lake Michigan and its tributary Grand Haven.

LaBone, Elizabeth; Justic, Dubravko; Rose, Kenneth; Wang, Lixia; Huang, Haosheng. Modeling the effects of hypoxia on fish movement in the Gulf of Mexico hypoxic zone.

Rubio, Juan C.; Solana, Elena; Uzeta, Olga; Rivas, David A.. Secondary production of the benthic community associated with *Zostera marina* in Punta Banda coastal lagoon, Ensenada, Baja California, Mexico.

Marvan, Fernando G.; Navarro-Olache, Luis F.; Flores-Vidal, Xavier; Ruiz de Alegria, Amaia A.; Gil-Silva, Eduardo; Espinoza-Lagunes, Carla. Short term morphodynamics of the Punta Banda coastal lagoon,
Ensenada, Baja California.

**SCI-039P SYNTHESIS RESEARCH IN ESTUARINE AND COASTAL SCIENCE: FOCUS ON PROCESS AND APPLICATION (POSTERS).**


**SCI-040P SYNTHESIS RESEARCH IN ESTUARINE AND COASTAL SCIENCE: A SESSION IN HONOR OF SCOTT W. NIXON (POSTERS).**

**Dean, Britt L.; Brush, Mark J.; Anderson, Iris C..** Modulation of watershed nutrient loads by tidal creek ecosystems on Virginia’s Eastern Shore.

**Kornis, Matthew S.; Breitburg, Denise L.; Davias, Lori A.; Heggie, Keira; Soulen, Heather L.; Seitz, Rochelle D.; Bilkovic, Donna M.; Balouskus, Richard G.; Targett, Timothy E.; King, Ryan S.; Giordano, Steven D.; Uphoff, James H..** Connecting the abundance of estuarine macrofauna in nearshore habitats to land use and shoreline alteration: a cross-system comparison of Chesapeake subestuaries and Delaware coastal bays.

**SCI-046P SYNERGISTIC EFFECTS OF CLIMATE AND LAND-USE CHANGE ON ESTUARINE AND COASTAL SYSTEMS (POSTERS).**


**Al-Hamdan, Mohammad Z.; Estes, Maurice G.; Mooney, Douglas D.; Richardson, Norman A.; Schuetter, Jared M.; Wightman, Jennifer L..** Evaluating the impacts of land cover, land use, and climate change on water quality in Weeks Bay, Alabama.

**Kowalski, Joseph L.; DeYoe, Hudson R.; Zima, Paul; Cammarata, Kirk; Parsons, Jason.** Effects of hyposalinity on photosynthesis, respiration, and ion concentration on the seagrass Halodule wrightii (shoal grass) in a microcosm study.

**Fisher, Kelsey; Price, Lynn; Hayes, Ken; Wetz, Michael.** Phytoplankton and nutrient dynamics in an urbanizing, eutrophic subtropical estuary (Oso Bay, Texas).

**SCI-048P CLIMATE CHANGE AND SPECIES INTERACTIONS: IMPLICATIONS FOR ECOSYSTEM FUNCTIONS AND SERVICES (POSTERS).**

**Peart, Samantha M.; Arellano, Shawn M..** Analysis of shells and swimming behavior of Olympia oyster larvae exposed to ocean acidification.

**French, Emily; Moore, Kenneth A..** The effects of recent seagrass species change on habitat structure and function.

Herlan, James J.; Rogers, Caroline S.. Shading may reduce bleaching of corals thriving in a mangrove ecosystem.

Reichmuth, Jessica; Best, Charles F.; Bates, Christopher. Bacteria, biofilms, and bait fish: An investigation of marine biofilms found on two species of forage fish along the Southeastern US.

SCI-049P COASTAL AND ESTUARINE CARBON CYCLING (POSTERS).

Gatland, Jackie R.; Santos, Isaac; Maher, Damien; Duncan, Tahlia; Erler, Dirk. Carbon dioxide and methane dynamics within a tidal freshwater creek draining lowland acid sulphate soils following a flood event.

Doughty, Cheryl; Langley, Adam; Chapman, Samantha. Climate-induced expansion of the Florida mangrove-marsh ecotone: implications for wetland carbon storage.

White, Caitlin L.; Piehler, Michael F.; Couper, Lisa I.; Thompson, Suzanne P.. Assessing impacts of land use on coastal stream metabolism.

Walker, Julie E.; Tanner, Christopher E.. Is seagrass the solution? The effect of eelgrass on Eastern oyster biomineralization.

Brannon, Elizabeth; Kroeger, Kevin; Pohlman, John; Green, Adrian; Ganju, Neil; Valtierra, Serena Moseman. Investigating time variations in DOC concentrations for salt marsh carbon budgets: Testing continuous FDOM measurements as a proxy.

Zhao, Yong; Raymond, Peter A.. High frequency monitoring of DOC and DIC between a salt marsh and Plum Island Sound.

SCI-052P ASSESSING COASTAL CONDITION USING NATIONAL, REGIONAL, AND STATE MONITORING PROGRAMS (POSTERS).


Parsons Richards, Carol; Raynie, Richard C.; Pahl, James W.; Khalil, Syed; Haywood, Edward; Weifenbach, Dona; Peyronnin, Natalie. System-Wide Assessment and Monitoring Program (SWAMP).

Kreeger, Danielle; Padeletti, Angela; Cheng, Kurt; Maxwell-Doyle, Martha. Comparison of coastal wetland condition among sub-watersheds of the Delaware Estuary that were assessed with the Mid-Atlantic Tidal Rapid Assessment Method.

SCI-061P COMPARATIVE APPROACHES TO HORSESHOE CRAB ECOLOGY AND CONSERVATION IN NORTH AMERICA AND SOUTHEAST ASIA (POSTERS).

Cheng, Helen; Watson, Winsor H.. Evaluating the spawning activity of the American horseshoe crab
Limulus polyphemus in Great Bay Estuary, New Hampshire, USA.

Shin, Paul; Chu, Vicky; Cheung, Siu Gin. Analysis of trophic relationship of juvenile Asian horseshoe crabs on a nursery beach in Hong Kong.

Hieb, Elizabeth E.; Baggett, Jacy D.; Aven, Allen M.; Carmichael, Ruth H.. Effects of sediment type and tank shape on horseshoe crab growth and survival in culture.

Colon, Christina P.; Botton, Mark L.. Quantifying the effects of a beach nourishment project on horseshoe crab (Limulus polyphemus) spawning activity, egg deposition, and juvenile habitat on Plumb Beach, Brooklyn, New York.

Gibson, Daniel G.. Seven fat years and seven lean years: Variations in recruitment of juvenile Limulus polyphemus in a Massachusetts salt marsh over a thirty-five year span.

Behera, Satyaranjan; Choudhury, B. C.; Bhadury, Punyasloke. Population status of Horseshoe Crabs along the East Coast of India- a case study from Odisha.

Iwasaki, Yumiko; Tanacredi, John T.; Lundstrom, Andrew P.; Portilla, Sixto E.. Investigation into the effect of simulated predation on molting behavior of captive juvenile Atlantic horseshoe crabs, Limulus polyphemus (Lineaus 1758).

SCI-063P ICOL, TOCE, AND OTHER BAR-BUILT ESTUARIES (POSTERS).

Mahon, Hillary C.; Harris, James O.. Effect of salinity on growth of juvenile Yarra pygmy perch (Nannoperca obscura: Percichthyidae).

Nylen, Daniel; Largier, John. Hydrology of a prototypical, small bar-built estuary: Scott Creek (CA).

SCI-065P RECENT ADVANCES TO UNDERSTAND THE CONTINUING EVOLUTION OF THE SAN FRANCISCO BAY ECOSYSTEM (POSTERS).

Sommer, Ted; Mejia, Francine. A place to call home: A synthesis of delta smelt habitat in the upper San Francisco Estuary.

Lee, Jamie; Parker, Alexander E.; Wilkerson, Frances P.. Nitrogen uptake kinetics of Microcystis aeruginosa in the San Francisco Estuary Delta, CA.

Johnson, Allison N.; Parker, Alex E.; Wilkerson, Frances P.. Climate change effects on cyanobacteria blooms in the San Francisco Delta.

Kress, Erica; Cloern, James E.; Schraga, Tara. Measurements and potential significance of urea as a nitrogen source for HAB species in San Francisco Bay, California: a one year pilot study.

Parker, Alexander E.; Dugdale, Richard C.; Wilkerson, Frances P.; Hogue, Victoria; Blaser, Sarah B.; Pimenta, Adam R.; DuBose, Melissa; Lorenzi, Allison. Insights into phytoplankton and nutrient interactions in Central San Francisco Bay, CA through a decade of observation.
Blaser, Sarah B.; Wilkerson, Frances P.; Parker, Alexander E.; Dugdale, Richard C.. Is urea a water quality concern in the San Francisco Estuary?

SCI-068P ESTUARINE SHALLOWS: BIOPHYSICAL INTERACTIONS (POSTERS).

Zarama, Francisco; Zeller, Robert; Weitzman, Joel; Koseff, Jeffrey. Development of turbulence downstream of shallow submerged vegetation.

Bryan, Jennifer; Harris, Lora; Weston, Nathaniel. Morphological changes and sediment capture potential of Zizania aquatica under experimental inundation treatments.

Housego, Rachel; Rosman, Johanna. Investigating feedbacks between sediment dynamics and oyster reef growth using an idealized 1-d model.

Rosenzweig, Itay; Koseff, Jeffrey R.. Response of surface turbulence statistics to a submerged canopy.

Gilson, Gina G.; Schalles, John F.; O'Donnell, John P.; Brennan, John. Quantifying spatial variability of microbenthic algae using optical reflectance measurements.

He, Jianzhang; Yin, Kedong. Effects of topography on the formation of low oxygen waters in Pearl River estuarine coastal waters.

SCI-069P ESTUARINE SHALLOWS: MONITORING, MODELING, AND MANAGING (POSTERS).

Cerco, Carl F.; Noel, Mark R.; Linker, Lewis. Monitoring, modeling, and managing in the shallow-water regions of Chesapeake Bay.

Green, Lauri; Gawlik, Dale E.; Lapointe, Brian; Calle, Leonardo. Development of seagrass distribution model to assess wading bird resource selection within the Great White Heron National Wildlife Refuge, Florida Keys.

Duffy, Allyn; Schaeffer, Blake A.; Le, Chengfeng. The use of a MODIS band-ratio algorithm versus a new hybrid approach for estimating colored dissolved organic matter (CDOM).

Pelc, Carey E.; Gallegos, Charles L.. Spatial patterns in optical properties and diffuse attenuation coefficients in Delmarva Coastal Bays.

Myers, Joseph A.; Buskey, Edward J.. Using high spatial resolution sampling to validate the locations of permanent water quality monitoring stations within the Mission-Aransas Estuary.

Heggie, Keira; Kornis, Matthew S.; Davias, Lori; Breitburg, Denise L.. Effects of anthropogenic shoreline hardening and watershed land use on condition indices of three fish species.

SCI-070P MICROBIAL ECOLOGY: PROCESSES, LINKAGES, AND ECOSYSTEM FEEDBACKS (POSTERS).

Hester, Eric; Rohwer, Forest. ARMS: Assessing global microbial diversity through standardized sampling.

Cheng, Bingran; Biddle, Jennifer F.. Variations of archaeal communities in sediments of coastal
Delaware.

**Song, Bongkeun**; Carini, Steve; Arfken, Ann; Lisa, Jessica; Duernberger, Kimberly; Tobias, Craig. Structural and functional adaptation of anammox and denitrifying communities to seawater intrusion in a tidal freshwater ecosystem.

**Nash, Jessica**; Ortmann, Alice; Jones, Jessica. *Vibrio cholerae* abundance and diversity is influenced by environmental factors in Mobile Bay, Alabama.

**Angell, John H.;** Kearns, Patrick J.; Bowen, Jennifer L.. Examining the role of oxygen as a driver of microbial community structure in vegetated and unvegetated salt marsh sediments at sub-millimeter scales.

**Lee, Jessica A.;** Francis, Christopher A.. Denitrification in San Francisco Bay: microbial diversity, abundance, and activity.

**SCI-071P GEOLOGICAL AND BIOGEOCHEMICAL PROCESSES IN THE SEDIMENTS AND SOILS OF COASTAL WETLANDS (POSTERS).**

**Takeuchi, Masayuki;** Hamersley, M. Robert. Biogenic greenhouse gas fluxes from sediments of an urban wetland fringing Newport Bay, CA.

Nakamura, Ai; **Hamersley, M. Robert.** Groundwater nutrients entering an urban wetland fringing Newport Bay, CA.

**Dobbs, Shelby;** Garza, Sylvia; Hardison, Amber; Gardner, Wayne. Effects of wind mixing on nutrient dynamics and ammonium processes in a shallow coastal pond.

**Xu, Kehui;** Liu, Zhanfei; Wang, Zucheng. Texture and characteristics of wetland sediment along the Texas-Louisiana coast.

**SCI-072P MANGROVE EXPANSION INTO SALT MARSH HABITATS: CAUSES AND CONSEQUENCES (POSTERS).**

**Osland, Michael J.;** Day, Richard H.; Enwright, Nicholas; Doyle, Thomas W.; Stagg, Camille L.. Climate change and tidal wetland foundation species: thresholds, resilience, and alternative stable states in the northern Gulf of Mexico.

**Sandoval-Castro, Eduardo;** Enríquez-Paredes, Luis M.; Riosmena-Rodríguez, Rafael; Dodd, Richard S.; Tovilla-Hernández, Cristian; Moreno-Medina, Sandra C.; López-Vivas, Juan M.; Aguilar-May, Bily; Muñiz-Salazar, Raquel. Post-glacial expansion and population genetic divergence of mangrove species *Avicennia germinans* (L.) Stearn and *Rhizophora mangle* (L.) along Mexican coast.

**Duckett, Lisa J.;** Feller, Ilka C.. Effects of nutrient ratios of woody and herbaceous taxa on ecosystem productivity along a latitudinal gradient.

**Day, Richard H.;** Osland, Michael J.; From, Andrew S.; Larriviere, Jack C.. An allometric equation for estimating aboveground biomass of black mangrove (*Avicennia germinans* (L.) L.) shrubs in the northern
Gulf of Mexico.

**Villanueva-Cubero, Luis;** Yu, Mei. Changes in Puerto Rico's wetland coverage after industrial agriculture decline.

**Caretti, Olivia;** Johnston, Cora A.. Settle down!: Crab larvae settlement preferences in shifting coastal ecosystems.

**SCI-076P BIOGEOCHEMISTRY OF COASTS AND ESTUARIES (POSTERS).**

**Hanson, Alana;** Wigand, Cathleen; Johnson, Roxanne; Oczkowski, Autumn; Watson, Elizabeth; Davey, Earl; Markham, Erin. The response of *Spartina alterniflora* to multiple stressors: eutrophication, precipitation changes, and sea level rise.

**Stanhope, Jennifer W.;** Anderson, Iris C.; Brush, Mark J.; Currin, Carolyn A.; Piehler, Michael F.. Benthic microbial responses to interacting physical-biological drivers in a shallow estuary.

**Martin, Rose M.;** Moseman-Valtierra, Serena M.. Manipulative experiments test effects of invasive *Phragmites australis* and nitrogen enrichment on greenhouse gas fluxes.

**Gárate, Melanie H.;** Moseman-Valtierra, Serena M.. Burrowing macroinvertebrates and excess nutrients may increase greenhouse gas fluxes from coastal ecosystems.

**Hoffman, Daniel;** Mutchler, Troy; McCarthy, Mark J.. Comparison of nitrogen transformation rates in vegetated and un-vegetated marine sediments of St. Joseph Bay, FL.

**Pérez-Tribouillier, Habacuc U.;** Choumiline, Evgueni; Rodríguez-Figueroa, Griselda M.. Assessment of the actual levels of trace elements and their sources in marine sediments of the La Paz Lagoon, Baja California Sur, Mexico.


**SCI-077P ESTUARINE RESTORATION: SCIENCE AND POLICY (POSTERS).**


**Lee, Kun-Seop;** Kim, Young Kyun; Kim, Jong-Hyeob; Kim, Seung Hyeon; Kim, Jae Woo. Growth and genetic structure of restored *Zostera marina* population on the southern coast of Korea.

**Graham, Benjamin;** Phelps, Josh; Young, Margaret; Crawford, Maurice. Genetic analysis of submerged aquatic vegetation using ISSR and RAPD analysis.

**Skinner, Christa;** van Proosdij, Danika; Lundholm, Jeremy; Bowron, Tony. Analysis of the relationship between vegetative community structure and geodetic elevation for salt marsh restoration in hypertidal
systems.

Wrathall, Carly; Lundholm, Jeremy; van Proosdij, Danika. Assessment of primary productivity in the Windsor Salt Marsh.

Patonai, Katalin; Schroeter, Steve C.; Page, Henry M.; Deza, Andres A.; Blair, Emily M.. Using GIS in wetland restoration and monitoring: time series of brackish marsh expansion in the San Dieguito Wetlands, CA.

Page, Henry M.; Schroeter, Steve C.; Deza, Andres; Hoesterey, Justin; Patonai, Katalin; Blair, Emily; Weaver, Crystal. The San Dieguito Wetlands Restoration: A large wetland mitigation project in Southern California.

Barber, Alec R.; Rybczyk, John M.; Crump, Donald. Sediment and vegetation monitoring during a levee removal project on the Stillaguamish River delta at Port Susan Bay, WA.

Whiting, Allan; Simenstad, Charles; Trask, Phil; Ramirez, Mary. Landscape planning framework for protection and restoration of estuarine habitat using the Columbia River Estuary Ecosystem Classification.

Neatt, Nancy; Bowron, Tony; Graham, Jennifer; Lemieux, Ben; van Proosdij, Danika; Lundholm, Jeremy; Pett, Robert. Macro- and meso-tidal wetland restoration in Canada's Maritime Provinces.

Lindquist, David; Pahl, James; Parsons Richards, A. C.; Raynie, Richard C.; Vosburg, Brian. The use of river diversions by the State of Louisiana and predicted effects of project operations on receiving basins.

Pinnell, Cassie; Boyer, Katharyn; Miller, Jennifer; Kiriakopolos, Stephanie; Stockman, Kevin. Invertebrate and fish responses to eelgrass and oyster restoration in a San Francisco Estuary living shorelines project.

Nestlerode, Janet A.; Kaack, Katrina; Osland, Michael J.; Harwell, Matthew. Variability and convergence in benthic communities in created saltmarshes transitioning into mangrove habitats.

Roeske, Kris; Ozbay, Gulnihal; Jivoff, Paul; Scarborough, Bob. Investigating the impact of Phragmites australis on blue crab and fish population abundance, sex ratio, molting frequency, age class, and size in Blackbird Creek, Delaware.


Zabin, Chela J.; Kiriakopolis, Stephanie L.; Obernolte, Rena; Abbott, Robert; Grosholz, Edwin D.. Variation in oyster performance between and within two restoration sites in San Francisco Bay.

SCI-078P POLICY AND MANAGEMENT OF COASTS AND ESTUARIES (POSTERS).

Zenha, Jose H.. The Tagus estuary case, Lisbon, Portugal.

Ibanez, Atziri; Migliori, Michael. NOAA's National Estuarine Research Reserves - Addressing management needs through civic science engagement.


Graham, Suzanne; Bredvik, Jessica. Methodology to assess essential fish habitat in San Diego Bay.