

## POSTER PRESENTATIONS – Friday Evening 6:00 – 9:00pm Ballroom DE

Abstracts for poster presentations are available online at [www.bemsociety.org](http://www.bemsociety.org).

All posters must be taken down by 8:30am on Saturday April 15<sup>th</sup>.

Posters listed alphabetically w/ number (##) representing location in viewing hall.

##	Name	Title
125	Aichelman	Local adaptation of the temperate coral <i>Astrangia poculata</i>
149	Alford	Small Scale Effects of Oil Exposure on Food Webs in the Gulf of Mexico
60	Anderson	Was 2015 the summer of the shark? Evidence from the Coastal Carolina University Shark Project.
31	Archambault	4th World Conference on Marine Biodiversity
61	Ashe	Impact of Barnacle Colonization on <i>Spartina alterniflora</i> in Georgia Salt Marshes
3	Asp	The Effect of Artificial Light Pollution upon Loggerhead Sea Turtle ( <i>Caretta caretta</i> ) Hatchling Orientation in the Grand Strand Region, South Carolina
112	Aulffo	Diatoms and the maintenance of kleptoplasty within estuarine foraminifera
21	Ballentine	Effects of Macrofauna on Oxygen Consumption and Nutrient Fluxes in Sediments
32	Barnard	If you encyst: documenting trematode taxa and origin in native and non-native crab hosts
84	Benson	Apparent timing of <i>Siderastrea siderea</i> density banding in relation to colony growth and physiology
62	Boggs	Marine Phytoplankton of the Grand Strand Region of South Carolina
4	Boneillo	Phytoplankton communities and nutrient dynamics in Winyah Bay, S.C.
126	Boulton	Coral and associated symbiont physiologies are resilient to changes in pCO <sub>2</sub> but are negatively affected by temperature stress
103	Brosnan	Density, growth, and reproduction of the cockle <i>Laevicardium mortoni</i> in the Peconic Bays, Long Island, New York
63	Buob	Characterization of Red Mangrove Proproot Epibiont Communities of St. Johns USVI
106	Burns	Sediment Organic Matter Storage Along a Constructed Oyster Reef
94	Burrell	Selection vs selection in a hybrid zone: directional selection among adults opposed by selection among larvae
28	Caffray	Lasting Effect of Environmental Disturbance on Benthic Community Structure
5	Carlton	Bay scallops: the high-resolution canary in the highly-fertilized coal mine
6	Chacin	Differential herbivory in native and introduced macroalgal seascapes in East Africa
82	Cheripka	Money on the Move: Managing Shifting Species Through Marine Protected Areas due to Climate Change
127	Ciarametaro	Sediment Effects on the Success of Free-Living Zoozanthelle in the Re-inoculation of a Coral Host
110	Cockett	Application of a draft genome to the population genomic study of a non-model species
104	Cole	Oyster Infestation: Abundance of Mudblister Worms ( <i>Polydora websteri</i> ) in Mobile Bay, AL, Oyster Farms
64	Collatos	Habitat Selection and Demographics of Sharks in Winyah Bay, SC
105	Combs	Short term viability of <i>Zostera marina</i> L. mixed-annual and perennial seeds
113	Counts	The Lesser known Caribbean ascidians: molecular and morphological identification of Bahamian species
33	Crosby	Does learning increase predation of a novel, invasive prey by the native Atlantic Mud Crab predator?

65	Dauer	Patterns of benthic secondary productivity along the estuarine gradient of Chesapeake Bay
66	Davis	Marine phytoplankton of the Grand Strand region of South Carolina
44	Devlin	Variation in fitness of recently established <i>Avicennia germinans</i> (Black Mangrove) populations along the Texas Gulf Coast
67	DiPreta	Seasonal growth of the temperate coral <i>Astrangia poculata</i> from 1972 to 1981 using historical photographs
157	Dodge	Investigating population genetics and gene expression of scleractinian coral in a highly variable environment along the northern Florida Reef Tract
22	Dubnicka	Behavioral plasticity and the loss of social behaviors in juvenile spiny lobsters
43	Duca	Characterization of the Chemical Defense System in the Marsh Grass, <i>Schoenoplectus americanus</i> , Using a Bioassay-Guided Fractionation Approach
56	Duffin	The role of environmental stressors and host immunocompetence in wasting disease prevalence and severity in the seagrass <i>Thalassia testudinum</i>
88	Ehrmann	Freshwater inflow needs of benthic macrofauna communities in the San Antonio and Matagorda
114	Eierman	Application of environmental DNA (eDNA) techniques to detect the presence of <i>Diadema antillarum</i> on Caribbean coral reefs
68	Elmo	Selective occupancy of nesting sites by co-occurring oyster reef fishes
95	Enneking	The effect of diet on growth, survival and condition in the bay scallop, <i>Argopecten irradians</i>
116	Farmer	Effect of chemical cues on molting of fiddler crab megalopae in 20 ppt seawater
128	Firth	On the diversity and distribution of the bioengineer <i>Sabellaria alveolata</i> in Ireland: past and present
129	Fisher	Multi-decadal growth histories of <i>Siderastrea siderea</i> and <i>Pseudodiploria strigosa</i> throughout the Bocas del Toro Archipelago, Panama
85	Fox	An arduino-based datalogging system adapted as an underwater flow-meter
7	Fribance	Long-term Dissolved Oxygen Trends in Long Bay, SC
57	Gadeken	Rates of benthic metabolism in an intertidal marsh throughout a diurnal oxygen cycle
69	Ghazal	Results of a multi-year benthic meiofauna community survey of the northern Gulf of Mexico
34	Gilruth	First occurrence of the invasive hydrozoan <i>Gonionemus vertens</i> A. Agassiz, 1862 (Cnidaria: Hydrozoa) in New Jersey, USA
130	Gleason	Faunal Associates of the Coral, <i>Oculina arbuscula</i> , on Temperate Reefs of the Georgia Bight
117	Good	Spatial variation in post-settlement survival and growth: does success after settlement determine recruitment variation in the mussel <i>Mytilus edulis</i> ?
155	Grace	Effects of the Red Boring Sponge <i>Cliona celata</i> on the attachment strength of the temperate scleractinian coral <i>Astrangia poculata</i>
70	Griffin	A Functional Ecological Comparison of Three Sponge Species from the Lower Florida Keys
58	Grogan	Influence of intertidal elevation origin on <i>Avicennia germinans</i> dispersal distance and direction
8	Gul	An ecological indicator, <i>Ocypode quadrata</i> , of natural and anthropogenic impacts on sandy beaches
23	Gutzler	Perception of sounds by American lobsters
96	Hammond	Location, Location, Location: Do differing enrichment methodologies affect the above and belowground productivity of <i>Spartina alterniflora</i> ?

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71	Hancock, I.	Nutrient Limitation of Phytoplankton Communities in Long Bay, South Carolina.
89	Hann	Balancing production and fisher attraction on artificial reefs: model analysis
118	Harrison	Testing a molecular identification assay for glochidia parasitic on fish from Lake Waccamaw, North Carolina
107	Harwell	Evaluating the efficacy of living shorelines: a comparison of natural and restored marsh communities in Back Bay, Virginia
131	Haymaker	Algal endosymbiont diversity in the common reef-building coral <i>Goniastrea retiformis</i> ten years after experimental bleaching
72	Hines	Spatial distribution of barnacles on <i>Spartina alterniflora</i> stems and leaves
152	Hitt	Chlorophyll a in intertidal sands of South Carolina
83	Hoffbeck	Tracking Nuclear Inclusion X (NIX), a Potential Pathogen of Pacific Razor Clams
24	Hoffman	The Ecology of Fear: Effect of Predators on the Foraging Behavior of Guppies ( <i>Poecilia reticulata</i> )
115	Hooks	Multiple paternity in egg capsules of the crown conch ( <i>Melongena corona</i> )
108	Hopkins	Cataloguing the St. Augustine Municipal Marina Green Sea Turtle Population
160	Hoyt	Condition and Temporal Dynamics of Newly Identified Staghorn Coral, <i>Acropora cervicornis</i> , Patches in Southeast Florida
90	Hudson	Alternate methods for observing stratification dynamics using remote sensing technologies on discrete and continuous time scales
45	Johnston	Proximity matters: effects of ocean acidification and warming on coral-algal interactions
132	Jones	Quantitative Analysis of Spatial and Temporal Variance in Benthic Cover of a High Latitude Reef System Offshore Southeast Florida, USA
133	Jordan	Caribbean scleractinian coral spawning trends
46	Judge	A novel approach to recording temperature data of <i>Mytilus edulis</i> mussel beds using biomimetic logger arrays
10	Kane	Comparative Ecophysiological Response of <i>Gracilaria tikvahiae</i> to Fertilizer and Septic Tank Effluent
73	Kight	Are sediment characteristics on saltmarsh mounds versus mudflats driving juvenile fiddler crab abundance?
11	King	Abundance and distribution of microplastic particles in Winyah Bay, South Carolina
35	Kinney	Does biotic resistance from predation limit the northward expansion of the non-native, invasive green porcelain crab, <i>Petrolisthes armatus</i> ?
97	Kleinas	Restoration by Transplantation: using a filter-feeding gastropod, <i>Crepidula fornicata</i> , to rehabilitate Great South Bay, New York: Preliminary surveys
36	Korabik	UNDOING THE UNDARIA: AN ASSESSMENT OF MANAGEMENT STRATEGIES FOR THE INVASIVE SPECIES <i>UNDARIA PINNATIFIDA</i> IN MONTEREY BAY HARBOR
91	Lamb	Colonization Patterns of Natural versus Restored Oyster Reefs by Decapod Crustaceans in Apalachicola Bay, Florida
150	Lane	Do HAB's affect barnacles? Assessing brevetoxicosis in turtles from the barnacles they host
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74	Larimer	Are bacterial and fungal pathogens responsible for high sea turtle embryo mortality in Ostional, Costa Rica?
12	Latzsch	The effects of low-toxicity surfactants alone and in commercial mixture on phytoplankton abundance and community composition

75	Leach	Characterization of proteobacteria in the satilla river estuary in regard to bioremediation, nutrient cycling, and pathogenicity.
37	Lees	Diploid thalli of the ecosystem engineer <i>Gracilaria vermiculopylla</i> are stronger and less nutritious than haploid thalli
153	Legut	How Much Seawater is Filtered Through Long Bay, SC
98	Liberto	Oyster Growth, Survival, and Associated Fauna from Baltimore's Inner Harbor
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47	Martin	Evidence and Effects of Climate Change in Florida's Nature Coast
135	McKenna	Oyster recruitment and growth in areas of high and low groundwater discharge in Oyster Creek, Georgia
1	McKittrick	A Baseline Study Of Fish Assemblages In a Pristine Georgia Estuary
76	McLeod	Comparison study of phytoplankton communities in estuarine and coastal waters in North Myrtle Beach, South Carolina
38	Miller	Does abundance of the invasive porcelain crab <i>Petrolisthes armatus</i> affect body size of the native mud crab <i>Panopeus herbstii</i> ?
99	Moody	Effect of Harmful Algal Blooms on Growth and Survivorship of Oysters in the Baltimore Harbor
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15	Perng	The interactive effects of the canopy-forming macroalga <i>Sargassum pacificum</i> and ocean acidification on <i>Lithophyllum kotschyianum</i>
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40	Popp	Fall male-biased sex ratios of <i>Petrolisthes armatus</i> in its invaded range

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86	Robison	Low salinity exposure affects reproduction of the Eastern oyster ( <i>Crassostrea virginica</i> )
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138	Rolfe	Damsels in Distress: Influence of reef composition on abundance and behavior of damselfishes
50	Ross	Determining the Heritability of Thermal Tolerance in the Threatened Coral, <i>Acropora cervicornis</i>
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29	Siegert	Blue Carbon Storage Across Habitat Types in Extensive Eelgrass Meadows (Padilla Bay, WA)
52	Siravo	Using metabolic theory and physiological traits to evaluate the effects of ocean acidification and warming on crustose coralline algae
53	Slattery	Soft coral bleaching is enhanced by multiple stressors
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30	Sprague	Current status of <i>Perkinsus marinus</i> in North Inlet, SC oysters ( <i>Crassostrea virginica</i> )
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148	Torok	The Effect of Positioning on the Growth Rates of <i>Crassostrea virginica</i> Among Floating Bag Culture
154	Turner	Density-dependent post settlement mortality in <i>Semibalanus balanoides</i> : are settlement and recruitment uncoupled at regional spatial scales?

42	Van Volkom	Effects of introduced prey species on the growth and reproduction of the blood star, <i>Henricia sanguinolenta</i> .
111	Varney	Comparison of genetic variation among wild and hatchery-reared broodstock <i>Crassostrea virginica</i>
80	Villafana	Marine Phytoplankton of The Grand Strand Region of South Carolina
140	Vollmer	How does colony size and density influence paternity in a brooding coral?
141	Voss	Estuarine Runoff and Thermal Stress Impact <i>Montastraea cavernosa</i> corals in Southeast Florida
123	Waddell	The role of adult fiddler crab environmental acoustic cues and chemical cues in stimulating molting of field-caught megalopae
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