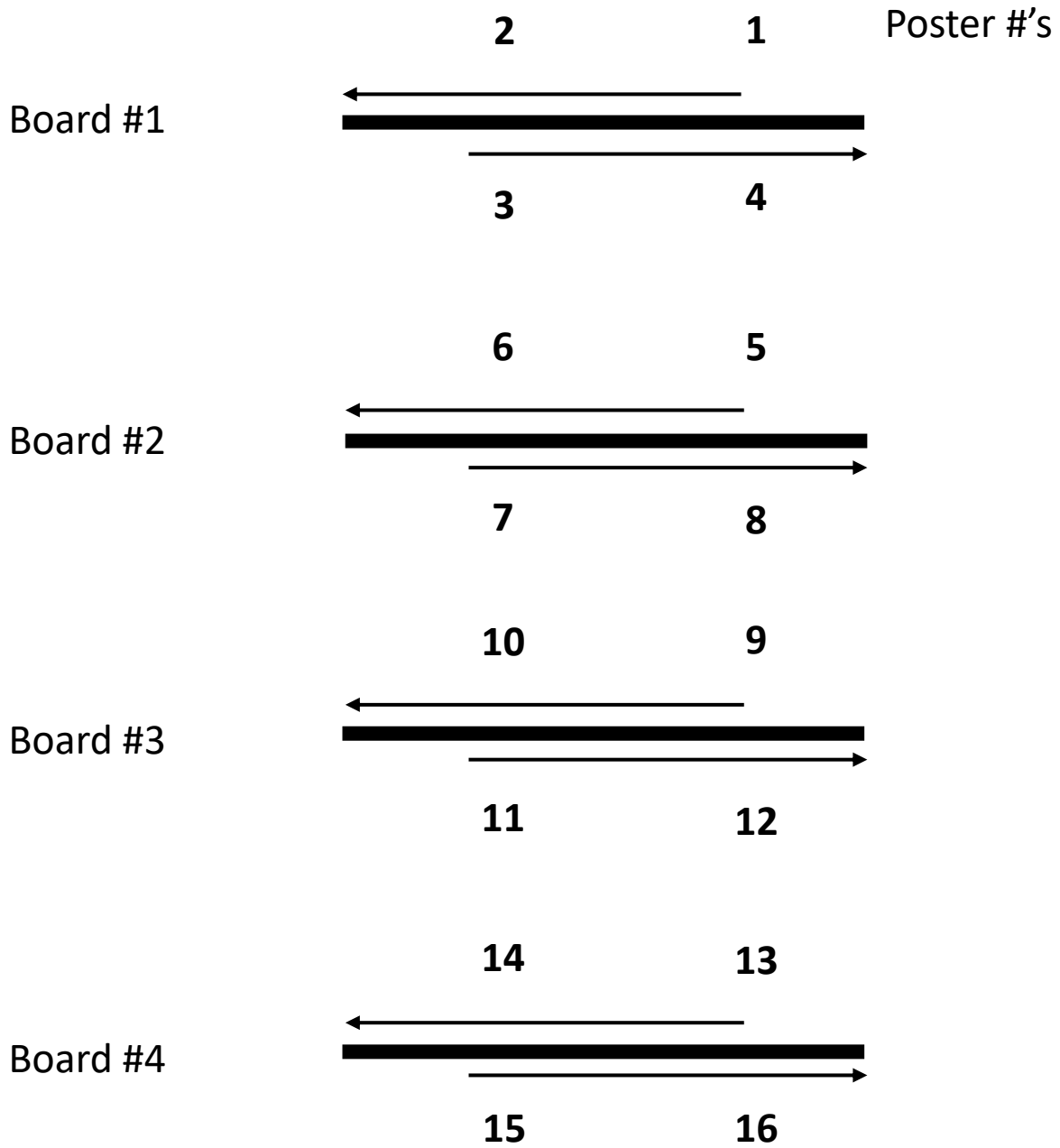


Poster Board Number Orientation



Tuesday Rise and Shine Poster Session 7:30-9:00am Ballroom A&B

Poster Board #	Poster #	Title	FirstName	LastName
1	1	Visual Learning Legacies Crafted by Watershed Leaders	Amy	Neblett
1	2	Inspiring Community Action Through Watershed Stewardship Program	Lara	Milligan
1	3	Wide Horizons: Fostering Environmental Stewardship in Coastal Mississippi Middle Schoolers through Art and Science Education	Hannah	McDuffie
1	4	Physical and trophic pressures on the community composition of sessile benthic invertebrate communities in a subtropical estuary	Tess	Kelly
2	5	Hydrodynamic response to bathymetric changes in Tampa Bay, Florida	Jing	Chen
2	6	Locating and Characterizing Submerged Springs on the West Florida Shelf Using Seafloor Mapping Technologies	Madison	Day
2	7	Compiling Site Characterization Data to Support Informed Decision Making for Responsible Management of Resources on the Outer Continental Shelf	Chris	DuFore
2	8	Measuring Coastal Sediment Grain Size Instantly Using <i>Instagrain</i> , a Hand-Held Camera with On-Device Machine Learning	Evan	Goldstein
3	9	Estimation of Continuous Suspended-Sediment Concentrations in Two South Florida Rivers Using Surrogate Methods	William	McBride
3	10	Climate Change and its Effects on Coastal Erosion in Gulf of Mexico Region	Audrika	Nahian
3	11	Impact of Extreme EventCoastalInfrastructureand Communityalong the Mississippi Coast	Spencer	Ballenger
3	12	Observations of non-marine avifauna during seabird vessel surveys in the northern Gulf of Mexico (2017-2019)	Jeffrey	Gleason
4	13	Ecohydrologic Monitoring and Adaptive Management of Robinson Preserve Coastal Habitat Restoration	Corey	Anderson
4	14	Innovative Use of Scanning Electron Microscopy (SEM) and Energy Dispersive X-ray Spectroscopy to Detect Oil Signatures in Teeth of Bottlenose Dolphins	Wayne	McFee
4	15	Developing and Implementing Manatee Protection Plans for a Coordinated Approach to Long-Term Conservation of the Florida Manatee	Bethan	Roberts
4	16	Lagrangian particle tracking to simulate the location and environmental conditions of death for dolphins in the Mississippi Sound and Mobile Bay	Anna	Linhoss
5	17	Small Journals are Vital to Federal Endangered Species Act Implementation	Jonathan	Choi
5	18	Land-Based Monitoring to Study Interactions Between Dolphins and Recreational Fisheries in Galveston Bay	Lisa	Scobel

5	19	Manatee Management and Warm-water Habitat Conservation Along Florida's Gulf Coast	Michelle	Pasawicz
5	20	Bay Scallop Restoration in Tampa Bay, Evaluating Larval Release and Parentage Analysis as a Restoration Tool	Shelby	Thomas
6	21	Mesophotic and Deep Benthic Community Restoration following the Deepwater Horizon Oil Spill: Planning Outcomes and Implementation Progress	Kelly	Martin
6	22	Dramatic progression of lung fungal pneumonia and the importance of frequent diagnostic radiology to meet conservation challenges of cold stunned sea turtle wildlife rehabilitation	Debra	Moore
6	23	Characterizing the Distribution of <i>Phragmites australis</i> in Mississippi's Coastal Marshes with Respect to Elevation, Topography, and Surface Water Salinity	Margaret	Waldron
6	24	Co-restoration of seagrass and a native bivalve in Sarasota Bay, Florida	Anna	Laws
7	25	Assessing tidal extent of the Mobile-Tensaw-Apalachee River Delta's forested wetlands through vegetative indicators	Andrew	Balder
7	26	Advancing Capacity for Marsh Modeling Retrospective Analysis	Christopher	Esposito
7	27	Assessing the Resilience of Forage Fish Populations and the Implications for Ecosystem Management in the Gulf of Mexico	Hallie	Repeta
7	28	Changes in headwater wetland functions in relation to land use change on the Gulf Coast	Kurtis	Fisher
8	29	Lavaca Bay Ecosystem Assessment: Gathering Key Baseline Data Among Nursery Habitats Across a Pollution Gradient	Robinson	McMillan
8	30	Deep-sea nematode community response to Deepwater Horizon oil spill pollution	ELISA	BALDRIGHI
8	31	Histopathology reveals environmental stress in dusky flounder <i>Syacium papillosum</i> of the Yucatan Peninsula continental shelf	M. Leopoldina	Aguirre-Macedo
8	32	Surveying fiddler crabs in the Mobile-Tensaw-Apalachee Delta: A potential indicator species of tidal conditions	Hayden	Tuite
9	33	Multispectral Multibeam Sonar to make Connections between Community Dynamics and Landscape Changes of Seagrass Meadows	Bea	Combs-Hintze
9	34	Development of a High-Capacity, Automated, in situ Environmental DNA Sampler for Aquatic Habitat Monitoring	Kamal	Ali
9	35	Using Machine Learning and Artificial Intelligence Techniques to Analyze Gape Sensors Data to Characterize Oyster Behavior and Growth	Kamal	Ali
9	36	Underwater Magnetic Release with Ultrasonic Capability	Kamal	Ali

10	37	The Occurrence, Neuroanatomy, and Morphometrics of Slickhead <i>Leptoichthys</i> in the Gulf of Mexico	Liberty	Juno
10	38	The Subsea Systems Institute	Andy	Chang
10	39	From Catastrophe to Clean-up: Restoration Efforts of Florida Gulf Coast Counties	Amy	Bainbridge
10	40	Interdisciplinary Collaboration to Tackle Microplastics Pollution in the Gulf Coast Region	Shenghua	Wu
11	41	Understanding the impacts of fine-scale environmental variables on the accumulation of marine debris on barrier islands	Alyssa	Rodolfich
11	42	The NOAA NCEI Global Marine Microplastics Database and Web Map	Ebenezer	Nyadjro
11	43	Making a SPLASH: Bird Conservationists Addressing the Threat of Plastic Pollution through Community Initiatives	Liz	Virgl
11	44	Marine Plastic Pollution in the Gulf of Mexico: Raising Awareness through Gulf Scholars Program at Texas A\&M University-Corpus Christi	Mehrube	Mehrubeoglu
12	45	Marine Debris Impacts on Black Needlerush (<i>Juncus roemerianus</i>) Marsh Habitat	Anthony	Vedral
12	46	Crowdsourcing Plastic Pollution Data Throughout the Gulf of Mexico and Beyond	Tracy	Weatherall
12	47	Monitoring Shoreline Marine Debris in the Gulf of Mexico	Hillary	Burgess
12	48	Drivers of marine debris accumulation and movement on Deer Island, Mississippi	Grant	Peterson
13	49	27 Years of Habitat Enhancements	Jim	McFarlane
13	50	Injection of CO2 into Offshore Low-Temperature Low-Permeability Reservoirs for Leak-Free Carbon Storage	Boyun	Guo
13	51	GOMA Region Leading Developments of CCUS, Geothermal, and Hydrogen Production & Use	Robert	Pilko
13	52	Disparities of Heat Exposure in New Orleans Using Multiple Remote Sensing Observations	Guanyu	Huang
14	53	Measuring Extreme Heat Exposure in Public Transit Systems in Florida, US	Xiang	Yan

Wednesday Rise and Shine Poster Session 7:30-9:00am Ballroom A&B

Poster Board #	Poster #	Title	FirstName	LastName
14	54	Gulf Coast Environmental Equity Center	Shenghua	Wu
14	55	X Marks the Spot: Challenges and Successes of Mapping FSMI Region 3	Rick	Householder
14	56	National Fish and Wildlife Foundation's Bycatch Hotspot Mapping Initiative: Fisher-forward Voluntary Bycatch Reduction	Taylor	Beyea
15	57	Gulf Futures Design Studio Program project outcomes of interdisciplinary education and community partnerships in the Gulf	Harry	Escobar
15	58	Gulf Futures Initiatives , project outcomes of interdisciplinary education and community partnerships in the Gulf	Harry	Escobar
15	59	ICK: Invasive and Cichlid Kids Fishing Tournament	Bridgette	Froeschke
15	60	Collaborating with Teachers and Students to Envision a More Just Future: Using Critical Environmental Agency to Co-Design Professional Development	Lacey	Huffling
16	61	STEM in the Sound: Blue Tech Field Experiences	Samantha	Capers
16	62	CivicSpark: An AmeriCorps Program Providing the Next Generation with a Launchpad for Sustainability Careers	Bill	Sadler
16	63	Education and Ecotourism at Fennessey Ranch	Joan	Garland
16	64	Community-Based Projects: A Holistic Approach to Coastal Restoration	Darrah	Fox Bach
17	65	Assessing resilience of coastal wetlands to sea-level rise near a Louisiana Native Tribe: biophysical prediction and traditional ecological knowledge	Wei	Wu
17	66	Assessing the Effect of Restored Oyster Reef Configuration on Shorebird Assemblages	Joe	Marchionno
17	67	Reducing Choice Paralysis Using a Genetic Algorithm with Application to Infrastructure Modification in Old Tampa Bay	Steven	Meyers
17	68	Coastal Restoration in the Face of Storms and Sea Level Rise: What We Do and What Really Matters	Heath	Hansell
18	69	Large scale laboratory direct shear testing for wetland root strength	Mohamed	Hassan
18	70	Multi-Level Converter Architecture for Safe and Resilient Offshore Hybrid Energy Storage Systems	Massiagbe	Diabate
18	71	Large Eddy Simulation of Combined Extreme Wind-wave Loading on Offshore Wind Turbines	Chao	Sun

18	72	An Interdisciplinary Analysis of Interactions Between Wind Energy Development and Biodiversity Conservation in the Gulf of Mexico	Vanessa	Hull
19	73	The Effects of Offshore Wind Energy Development on Biodiversity in the Gulf of Mexico.	Isaac	Coleman
19	74	Intensification of Hurricane Ian (2022) over Shallow Water	Alexander	Nickerson
19	75	Evaluating educational outcomes and predicting behaviors of homeowners regarding septic system maintenance in a Texas coastal watershed	Audrey	McCrary
19	76	Community Balance: A Game to Engage All Ages in Discussion on Sea-Level Rise Impacts and Solutions	Alison	Rellinger
20	77	Analyze Crashes during Extreme Weather for Public Sharing	Rebecca	Bian
20	78	Incorporating in Situ Wave Energy Measurements into a Living Shoreline Suitability Model	Ashleigh	Robbins
20	79	Supporting Data Management Best Practices in the Research Community: A Data Repository's Perspective	Rosalie	Rossi
20	80	The Center for Resiliency Data Management Growing Pains	Marilyn	Guidry
21	81	Applicability of Vetiver Grass to Combat the Adverse Impacts of Climate Change on Infrastructures in the Gulf of Mexico Region	Tyra-Nicole	Whyte
21	82	The Oyster Pipeline	Daniel	Hammond
21	83	Patterns of bivalve larval abundance and spat settlement within the lower Charlotte Harbor Estuary from 2020 - 2023	Grace	Markell
21	84	Oyster Reef Habitat Restoration: Quantifying the effects of nature assisted oyster reef restoration on wave attenuation and nutrient removal in the Gulf of Mexico.	Albert	Wynn III
22	85	Optimizing Removal of Cyanotoxins Through Noncovalent Interactions with Graphene Based Media	Chris	Griggs
22	86	West Florida Shelf Flushing Events Recorded by the Long-Term Moored Observations: Supporting the Hypothesis of Red Tide Seasonal Prediction	Logan	Dudney
22	87	Examining Relationships Between <i>Karenia brevis</i> and the West Florida Shelf Benthos	Ariana	Cory
22	88	RNA viruses associated with <i>Karenia brevis</i> harmful algal blooms in the coastal waters of Southwest Florida	Jean	Lim

23	89	Next-Generation Chlorophyll Fluorometer Using Time-of-Flight LIDAR Technology	Scott	Samson
23	90	Accumulation and Depuration of Brevetoxins in Shellfish and Thresholds for Neurotoxic Shellfish Poisoning (NSP)	Jennifer	Toyoda
23	91	Toxins and Genetic Analysis for Benthic <i>Karenia brevis</i> , a Possible HAB Monitoring Tool?	Kevin	Owen
23	92	Detecting and quantifying the degree of tropical cyclone-related disturbance and recovery in estuaries using machine learning	Abdullahi	Salman
24	93	Baseline of Microplastics in Sediment of Tampa Bay, FL	Shannon	Gowans
24	94	The Assimilative Capacity of Lake Livingston: Nutrients, Sediments, and High Flow Events	Kirsten	Vernin
24	95	ReefBalls	Jim	McFarlane
24	96	Coastal Resilience Solutions Breakwaters and Marine Infrastructure	Shelby	Thomas
25	97	Improving Coastal Resiliency Through Shoreline Protection Design Guidance	Gillian	Palino
25	98	Hurricane Ian and Idalia Impacts on the Geomorphology of Beaches within the City of Naples	Andrew	Gross
25	99	Community Resilience and Environmental Justice in the Gulf of Mexico Region - A Review of Tools and Indicators for Measuring Cumulative Impacts	Jennifer	Irving
25	100	Importance of Community Engagement & Comprehensive Visuals in Resilience Efforts	Amy	Bainbridge
26	101	Rumble in the Cogongrass Jungle: Shrub Resiliency from Round 1	Noah	Carl
26	102	Impacts of Sediment Management on Short- and Long-Term Coastal Barrier Island Resilience	Daniel	Ciarletta
26	103	Resilience Assessment in Coastal Socio ecosystems of the Gulf of Mexico: An initiative of the National Coastal Resilience Laboratory (LANRESC)	Karol	Granados Martinez
26	104	Sisal, heading to a sustainable and resilient city? Results of the first year of transdisciplinary work	Deneb	Ortigosa
27	105	Investigating Hurricane Ian impacts on the geomorphology of Fort Myers Beach using Geospatial Technology	Nathan	Hewitt
27	106	The Zip Project	Betsy	Stewart

Thursday Rise and Shine Poster Session 7:30-9:00am Ballroom A&B

Poster Board #	Poster #	Title	FirstName	LastName
27	107	POPs and Mercury Levels in Tissues of Bottlenose Dolphins Stranded from the Mississippi Sound During the 2019 Unusual Mortality Event	Barbara	Kaplan
27	108	Characterization of the Radium-226 Activity Budget from Produced Waters in the Northern Gulf of Mexico	Rachel	Flickinger
28	109	The investigation of early metabolic level perturbation of Northern Hard Clams in response to brevetoxin	Bo	Wang
28	110	Assessment and Prioritization of Aquatic Contaminants of Concern on Florida's Coral Reef	Ellen Regina	Skelton
28	111	Assessing Elemental Composition and Radioisotopes of Tuna Vertebrae in the Northern Gulf of Mexico	Heather	Truong
28	112	Potential pathways of pharmaceutical exposure in a mesoconsumer fish bonefish (<i>Albula vulpes</i>): water, sediment, prey	Nicholas	Castillo
29	113	Effects of Pharmaceutical Exposure on Wild Fish Health: A Survey of Red Drum Across Florida Estuaries	Shakira	Trabelsi
29	114	Contaminated waters: PFAS contaminants in Gulf of Mexico fisheries	Andy	Distrubell
29	115	Examining the Diets of Deep-sea Cephalopods from the Northern Gulf of Mexico Using a Metabarcoding Approach	Heather	Judkins
29	116	Length-Weight Relationships of Mesopelagic Fishes from the Northern Gulf of Mexico	Ian	Areford
30	117	Long-term monitoring of sperm whales in the Southern Gulf of Mexico: A first look at occurrence in Mexican waters	Itzel	Perez
30	118	Cetacean-mediated vertical nitrogen transport in the oceanic Gulf of Mexico	Matthew	Woodstock
30	119	Quantifying the vertical distributions of deep-living fishes (and their variability) in the Gulf of Mexico: 2011 - 2021	Rosanna	Milligan
30	120	Long-term monitoring of beaked whales in the southern Gulf of Mexico: A pioneer study on three different species in Mexican waters	Isabel	Barrera Diaz
31	121	Spatial diversity of algae on nesting sea turtles in the Gulf of Mexico	Olivia	Miles
31	122	Effects of red tide on sea turtle hatching success on the Gulf of Mexico	Drew	Bailey
31	123	A Tail of Two Fishes: Adaptations to Life in an Oily Sea?	Steven	Murawski
31	124	Analysis of High-Frequency Radar data during the Mother's Day nor'easter event of 2022 on New Jersey's coast.	Christopher	Olson
32	125	Sound Emission and Perception in Corals	Camila	Ibanez
32	126	Scientist at Sea: Pathways to the Geosciences at Eckerd College	Kassandra	Laguna

32	127	Continuing Trends of Benthic Community Health Characterization in the Northern Gulf of Mexico	Evan	Baran
32	128	Acute Toxicity of an Oil Spill Herding Agent to Atlantic Shallow-Water Corals	Austin	Blakeslee
33	129	Tracking the Footprint of Drilling Mud by Identifying Barite in Sediments Using X-Ray Diffraction	Sasha	Gitler
33	130	Assessing the Preservation of the Deepwater Horizon Blowout in the Northern Gulf of Mexico Through Spatial and Temporal Lead and Thorium Inventories and MAR Analysis	James	Knudsen