

WILLIAM C. WALTON, Ph.D.

Acuff Professor of Marine Science and Shellfish Aquaculture Program Coordinator
Virginia Institute of Marine Science, College of William & Mary
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1. Professional Background

Professional Training: Degrees

- Ph.D., Fisheries Science, University of Maryland, MD, 2003.
- M.Sc., Ecology & Evolution, Rutgers University, NJ, 1993.
- B.Sc., Biology, Tufts University, MA, 1991.

Professional Training: Present Rank and Date of Appointment

Acuff Professor of Marine Science and Shellfish Aquaculture Program Coordinator
Virginia Institute of Marine Science, College of William & Mary, June 2021.

Total Experience

- Professor, Auburn University School of Fisheries, Aquaculture and Aquatic Sciences and Marine Extension Specialist, Alabama Cooperative Extension System, 2020-2021
- Senior Marine Scientist III, Dauphin Island Sea Lab, AL, 2020-2021
- Director, Auburn University Shellfish Lab, Dauphin Island, AL, 2018-2021
- Oyster Aquaculture Extension Specialist, Mississippi-Alabama Sea Grant Consortium, MS, 2016-2021
- Senior Marine Scientist II, Dauphin Island Sea Lab, AL, 2017-2020
- Associate Professor, Auburn University School of Fisheries, Aquaculture and Aquatic Sciences and Marine Extension Specialist, Alabama Cooperative Extension System, 2014-2020
- Senior Marine Scientist I, Dauphin Island Sea Lab, AL, 2014-2017
- Assistant Professor, Auburn University Department of Fisheries & Allied Aquacultures and Marine Extension Specialist, Alabama Cooperative Extension System, 2009-2014
- Guest Investigator, Woods Hole Oceanographic Institution, MA, 2003-2013
- Fisheries & Aquaculture Specialist, Cape Cod Cooperative Extension & Woods Hole Sea Grant, MA, 2003-2008
- Shellfish Constable & Marine Biologist, Town of Wellfleet, MA, 2001-2003
- Lecturer, University of Maine, Machias, ME, 2000-2001
- Research Scientist & Community Liaison, Beals Island Regional Shellfish Hatchery, ME, 2000-2001

2. Honors and Awards

- SEC Academic Leadership Development Program's Auburn University Provost Fellow, 2020
- Auburn University College of Agriculture Dean's Grantsmanship Award, 2011, 2012, 2013, 2016, 2018, 2019, 2020
- Auburn University College of Agriculture Dean's Award for Excellence in Extension & Outreach Award, 2019
- Alabama Epsilon Sigma Phi 2019 Visionary Leadership Award
- US Aquaculture Society, Certificate of Appreciation, 2019
- Cubmaster's Key, Baldwin District, Mobile Area Council Boy Scouts of America, 2018
- Partners for Environmental Progress Community Partner Award, '5th Grade Teachers Coastal Kids Quiz, 2017
- Daphne United Methodist Church Cross and Flame Award 2017
- National Sea Grant Association Research to Application Award, 2016
- Auburn University Spirit of Sustainability Group Award, 2014
- Auburn University College of Agriculture Project Team Award, 'The Oyster Team' (2013)
- Alabama Cooperative Extension System Superior Service Team Award (2010)
- Certificate of Appreciation, East Coast Shellfish Growers Association, 2009
- Thurlow C. Nelson Award for Best Student Oral Presentation, 91st Meeting of National Shellfisheries Association, 1999
- Maryland Sea Grant Graduate Fellow, 1994-1998
- Benjamin Brown Award for Independent Research & Promise in a Field of Science, Tufts University, 1991
- National Merit Scholar, Tufts University, 1987-1991

3. Teaching in Degree Related Programs

Instruction

Courses Proposed

Shellfish Aquaculture in Practice: Chesapeake Bay, 2 cr, Summer 2022

Bivalve Shellfish Aquaculture, coordinator, 4 1-cr modules, Fall 2022

Courses Taught (Outside VIMS)

Year	Course Title	Credits	Enrollment
2019	Shellfish Aquaculture in the Gulf of Mexico (FISH 5245/6245)	2 cr	4 UG/2 G
2018	Shellfish Aquaculture in the Gulf of Mexico (FISH 5245/6245)	2 cr	4 UG/3 G
2017	Shellfish Aquaculture in the Gulf of Mexico	2 cr	1 UG/3 G
2015	FISH 6215/7215 Marine Aquaculture	2 cr	9 UG/1 G
2014	FISH 6215 Marine Aquaculture	2 cr	5 UG
2013	FISH 7960 Special Problems in Practical Extension Experience	2 cr	1 G
2001	Marine Ecology (University of Maine, Machias)	4 cr	8 UG
2001	Introduction to Oceanography (University of Maine, Machias)	3 cr	28 UG

Guest Lectures

1. VIMS School of Marine Science, Introduction to Fisheries Science, Spring 2022
2. Auburn University, Dimensions of Fisheries, Spring 2021.
3. Virginia Institute of Marine Science, Science Communication, Spring 2021.
4. Auburn University, Food and Power, Spring 2021.
5. University of New England, Ocean Food Systems. Fall 2020.
6. Auburn University, Molluscan and Crustacean Aquaculture. Spring 2020.
7. Dauphin Island Sea Lab, Marine Aquaculture. Summer 2019.
8. Dauphin Island Sea Lab, Marine Restoration Ecology. Summer 2019.
9. Auburn University, Hatchery Management, Spring 2019.
10. Kentucky State University, Fisheries for an Educated Consumer, Spring 2019.
11. Auburn University, Molluscan and Crustacean Aquaculture. Spring 2018.
12. Auburn University, Hatchery Management, Spring 2018.
13. Auburn University, Food and Power, Spring 2018.
14. Auburn University, Introduction to Fisheries. Summer 2017.
15. Auburn University, Hatchery Management, Spring 2017.
16. Auburn University, Introduction to Fisheries. Summer 2016.
17. Auburn University, Molluscan and Crustacean Aquaculture. Spring 2016.
18. Auburn University, Introduction to Fisheries. Summer 2015.
19. Auburn University, Introduction to Fisheries. Summer 2014.
20. Auburn University, Molluscan and Crustacean Aquaculture. Spring 2016.
21. Auburn University, Molluscan and Crustacean Aquaculture. Spring 2014.
22. Auburn University, Introduction to Fisheries. Summer 2013.
23. Auburn University, Introduction to Fisheries. Summer 2012.
24. Dauphin Island Sea Lab, Marine Invertebrate Zoology. Fall 2012.
25. Auburn University, Introduction to Fisheries. Summer 2012.
26. Auburn University, Introduction to Fisheries. Summer 2011.
27. Auburn University, Sociology of Natural Resources & the Environment. Spring 2011.
28. Auburn University, Introduction to Fisheries. Summer 2010.
29. Auburn University, Molluscan and Crustacean Aquaculture. Spring 2010.

Research and Educational Guidance

Graduate Students Mentored (2 M.Sc. and 1 Ph.D. in progress; 16 M.Sc. and 2 Ph.D. completed)

1. Arancibia, David. Ph.D. *in progress (expected 2025)*. Dissertation topic: Comparison of oyster grow-out methods on a full suite of oyster performance metrics.
2. Grenn, Julia. M.Sc. *in progress (expected 2024)*. Thesis topic: Effect of microclimates on oyster aquaculture production.
3. LaGanke, Matthew. M.Sc. *in progress (expected 2023)*. Thesis topic: Evaluation of feasibility of the use of RFID in commercial oyster aquaculture. Virginia Institute of Marine Science, William & Mary.
4. Lewis, John. M.Sc. 2021. Thesis topic: Effect of wave action, fouling control and stocking density on oyster performance and bio-fouling. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences.
5. Kelly, James. M.Sc, 2021. Testing and comparing the effects of different culture methods in the Pacific Northwest on the levels of *Vibrio* spp. in farm-raised oysters. Auburn University School of

Fisheries, Aquaculture & Aquatic Sciences. (Awarded competitive graduate fellowship from FDA Seafood Safety Laboratory & Dauphin Island Sea Lab)

6. Eastburn, MC. M.Sc., 2021. Decreasing mortality in triploid eastern oysters (*Crassostrea virginica*): a field evaluation in coastal Alabama. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences.
7. Prunte, Victoria. Ph.D., 2020. Test of the effects of geography, gear type, and culture techniques on *Vibrio* risks associated with farm-raised oysters. (Awarded competitive graduate fellowship from FDA Seafood Safety Laboratory & Dauphin Island Sea Lab; Awarded competitive graduate fellowship from Alabama Cooperative Extension System)
8. Bisker, Kelsey. M.Sc., 2020. Evaluating the effect of larval period duration upon the subsequent performance of cultured Eastern oysters, *Crassostrea virginica*. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences. (US Aquaculture Society 2019 Best Oral Presentation, Second Place)
9. Hensey, Sarah. M.Sc., 2020. Improving the (off)-bottom line: assessing the costs and benefits of different culture techniques on an Alabama commercial oyster farm. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences. (Bays & Bayous 2018 Symposium Best Poster, Third Place; US Aquaculture Society 2019 Aqualogic Award for Best Poster; Auburn University College of Agriculture (COA) Graduate Student Research Poster Showcase, Best MSc Poster)
10. Waters, PJ. Ph.D., 2020. Evaluating Oyster Gardening Programs of the U.S. Gulf and Atlantic Coasts. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences.
11. Bodenstein, S. M.Sc., 2019. Comparing Responses of triploid and diploid Eastern oysters, *Crassostrea virginica*, to common farm stressors. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences. (National Shellfisheries Association 2019 Gordon Gunter Award for Outstanding Poster)
12. Lappin, D. M.Sc., 2018. Remote set of *Crassostrea virginica* as a potential means for public stock enhancement in Alabama, and the assessment of larval tank setting distributions. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences.
13. Wadsworth, P. M.Sc., 2017. Comparing triploid and diploid growth and mortality in farmed oysters, *Crassostrea virginica*, in the northern Gulf of Mexico. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences.
14. Grodeska, Stephanie. M.Sc., 2016. Effects of desiccation practices and ploidy on *Vibrio* spp. abundances of cultured oysters, *Crassostrea virginica*. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences. (US Aquaculture Society Aqualogic Award for Best Poster; Awarded competitive graduate fellowship from FDA Seafood Safety Laboratory & Dauphin Island Sea Lab)
15. Gamble, Curtis. M.Sc., 2016. An evaluation of the floating cage system for Eastern oyster (*Crassostrea virginica*) aquaculture production in the North-Central Gulf of Mexico. University Centre of the Westfjords, Iceland. (co-advisor)
16. Borgert, R. M.Sc., 2015. Value of Off-bottom Oyster Aquaculture Baskets as Habitat for Juvenile Blue Crab. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences. (National Shellfisheries Gordon Gunter Award for Outstanding Poster)

17. Stewart, Eric. M.Sc., 2014. A Comparative Study of Habitat Value for the Juvenile Blue Crab (*Callinectes sapidus*) Provided by Off-bottom Oyster Farming in the Northern Gulf of Mexico. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences.
18. Davis, Julie. M.Sc., 2013. Effects of basket arrangement and stocking density when using the adjustable long-line system for oyster grow-out. Auburn University Department of Fisheries & Allied Aquacultures. (Dr. Homer Swingle Award, Department of Fisheries and Allied Aquacultures; 2012 Auburn University Outstanding Graduate Student Award (Masters level))
19. Yao, Nan. M.Sc., 2013. Quantification of the potential spawning contribution from oyster (*Crassostrea virginica*) restoration projects: a comparative study among restoration sites and substrates in coastal Alabama. Auburn University Department of Fisheries & Allied Aquacultures.
20. Cash, Erin. M.Sc., 2013. Assessment of Queen Conch, *Lobatus gigas*, Density, Middens and Permitting Requirements, in South Eleuthera, Bahamas. Auburn University Department of Fisheries & Allied Aquacultures.
21. Coddington Ring, Courtney. M.Sc., 2012. Evaluation of a Mechanical Grader for the Improvement of the Aquaculture Production of the Eastern Oyster, *Crassostrea virginica*, in the Northern Gulf of Mexico. Auburn University Department of Fisheries & Allied Aquacultures.

Student Committee Service (3 M.Sc. and 3 Ph.D. in progress; 1 M.Aq., 12 M.Sc and 2 Ph.D. completed)

1. McDonald, Paul (present), University of Southern Mississippi, M.Sc.
2. Youtsey, Leslie (present), Virginia Institute of Marine Science, M.Sc.
3. Bliss, Tom (present), University of Georgia, Ph.D.
4. Campbell, Brendan (present), University of Maryland, Ph.D.
5. King, Heather (present), University of Southern Mississippi, M.Sc.
6. Hood, Shannon (present), University of Maryland, Ph.D.
7. Fantini, Leticia (2021), Auburn University, Ph.D.
8. McCall, Merritt. 2021. University of South Alabama, M.Sc.
9. Michaelis, Adriane. 2020. University of Maryland, Ph.D.
10. Nichols, Zoe. 2020. Auburn University, M.Sc.
11. Chapman, Ellis. 2019. Louisiana State University, M.Sc.
12. Cole, Sarah. 2018. University of South Alabama, M.Sc.
13. Miao, Luoqi. 2017. Auburn University, M.Sc.
14. Doshier, Benjamin. 2015. Auburn University, M.Sc.
15. Wang, Jue. 2015. Auburn University, M.Sc.
16. Horn, Danielle. 2014. Auburn University, M.Sc.
17. Leonhardt, Justin. 2014. Louisiana State University, M.Sc.
18. Christensen, Stefanie. 2013. Auburn University, M.Sc.
19. Achupallas, Julio. 2013. Auburn University, M.Sc.
20. Dalrymple, Joe. 2013. University of South Alabama, M.Sc.
21. Lewis, Matthew. 2010. Auburn University, M.Sc.

Post-Doctoral Researchers Mentored (2)

1. Prunte, Victoria. 2021.
2. Michaelis, Adriane. 2020-2021.

Undergraduate Students Mentored (9)

1. Webster, Evan. Auburn University, 2019
2. Watson, Harrison. Jackson State, 2017
3. Shade, C harlotte. University of Miami, Ohio, 2016.
4. Kousler, Arsalan. Clemson University, 2015.
5. Johnston, Claire. Gadsen State College, 2013.
6. Payne, Laney. Auburn University, 2013. (co-supervisor)
7. Myers, Tyler. Auburn University, 2011.
8. Landry, Kevin. University of South Alabama, 2010.
9. Flood, Jefferson. University of North Carolina, 2009.

Minorities in Agriculture, Natural Resources and Related Sciences Lead Mentees

1. Keonte' Edwards, North Carolina State University Ph.D. program, 2021-Present
2. Roxanne Reyes, Cornell University, 2021-Present

4. Significant Contributions through Research and Advisory/Professional Service

Professional Communications

Refereed Publications (42 published)

1. **Walton, WC**, C Robitaille, B Wasden, J Wilson & S Watts. *In preparation*. Evaluation of co-culture of the eastern oyster, *Crassostrea virginica*, and the variegated urchin, *Lytechinus variegatus*.
2. **Walton, WC** & JE Supan. *In preparation*. Effect of bag position on oyster production in a floating cage culture system.
3. Petrolia, D, **WC Walton** & J Cebrian. *Accepted*. Oyster Economics: Costs, Returns, and Ecosystem Benefits of Commercial Bottom Production, Commercial Off-Bottom Aquaculture, and Non-Harvested Reefs. *Marine Resource Economics*.
4. Prunte, VL**, JL Jones, MD McGough & **WC Walton**. *Accepted*. Effects of tumbling, refrigeration, and resubmersion on *Vibrio parahaemolyticus* and *V. vulnificus* levels in North Carolina cultured oysters (*Crassostrea virginica*). *Aquaculture*.
5. Prunte, VL**, **WC Walton** & JL Jones. *Accepted*. Effect of gear type on *Vibrio* spp. levels in farm-raised oysters (*Crassostrea virginica*) after routine handling and resubmersion. *Journal of Food Protection*.
6. **Walton, WC** & DL Swann. 2021. Role of Sea Grant in establishing commercial oyster aquaculture through applied research and extension. *Journal of Contemporary Water Research and Education*. (Invited).
7. McGough, MD, VL Prunte, **WC Walton** & JL Jones. 2021. Effects of farm location on *Vibrio parahaemolyticus* and *V. vulnificus* levels in oysters after desiccation and resubmersion in the northern Gulf of Mexico *Journal of Food Protection* 84(12): 2185–2194. <https://doi.org/10.4315/JFP-21-189>
8. Yang, H, Y Huo, JC Yee, S Rikard, **WC Walton** & E Saillant. 2021. Sperm repository for a breeding program of the Eastern oyster *Crassostrea virginica*: Sample collection, processing, cryopreservation and data management plan. *Animals*. <https://doi.org/10.3390/ani11102836>
9. Marshall, Danielle, S Casas, **WC Walton**, FS Rikard, T Palmer, N Breaux, M La Peyre, Megan, J Pollack, Jennifer, M Kelly, J La Peyre. 2021. Divergence in salinity tolerance of northern Gulf of Mexico oysters under field and laboratory exposure. *Conservation Physiology* 9(1): coab065; doi:10.1093/conphys/coab065
10. Marshall, DA, NC Coxe, MK La Peyre, **WC Walton**, JB Pollack, M Kelly & JF La Peyre. 2021. Tolerance of northern Gulf of Mexico eastern oysters to chronic warming at extreme salinities. *Thermal Biology* 100. <https://doi.org/10.1016/j.jtherbio.2021.103072>
11. Michaelis, A, **WC Walton**, DW Webster & LJ Shaffer. 2021. Cultural ecosystem services enabled through work with shellfish. *Marine Policy* 132:
12. Dorgan, KM, RD Moseley*, E Titus*, H Watson*, SM Cole** & **WC Walton**. 2021. Dynamics of mud blister worm infestation and shell repair by oysters. *Biological Bulletin* 240(2):118-131. <https://doi.org/10.1086/713145>
13. Nichols, ZG**, Rikard, S, S Mohammad Hadi Alavi, **WC Walton** & IAE Butts. 2021. Regulation of sperm motility in Eastern oyster (*Crassostrea virginica*) spawning naturally in seawater with low salinity. *PLoS ONE* 16(3): e0243569. <https://doi.org/10.1371/journal.pone.0243569>.
14. Belgrad, BA, EM Combs **, **WC Walton** & DL Smee. 2021. Use of predator cues to bolster oyster resilience for aquaculture and reef restoration. *Aquaculture* 538: 1-6.
15. Bodenstein, S**, **WC Walton** & T Steury. 2021. The effect of farming practices on growth and mortality rates in triploid and diploid Eastern oysters, *Crassostrea virginica*. *Aquaculture Environment Interactions* 13: 33-40.
16. Zhang, J**, L Shaoyang, **WC Walton** & Y Wang. 2021. Volatile organic compounds of Eastern oyster (*Crassostrea virginica*) cultured by two treatments and their changes during cold storage. *Aquaculture Research*.
17. Ponce, M*, BA Belgrad, **WC Walton** & DL Smee. 2020. Nursery exposure of oyster spat to different predators strengthens oyster shells. *Gulf and Caribbean Research* 31(1): SC36-SC40.

18. Waters, Jr, PL**, D Petrolia & **WC Walton**. 2020. Participant motivations to join an Extension program. *Journal of Extension* 58-6a3.
19. Jones, JL, KA Lydon & **WC Walton**. 2020. Effect of ploidy on *Vibrio parahaemolyticus* and *Vibrio vulnificus* levels in cultured oysters. *Journal of Food Protection* 83(11). <https://doi.org/10.4315/JFP-20-202>
20. Michaelis, AK**, **WC Walton**, DW Webster & LJ Shaffer. 2020. The role of ecosystem services in the decision to grow oysters: a Maryland case study. *Aquaculture* 529. <https://doi.org/10.1016/j.aquaculture.2020.735633>
21. Prunte, VL**, JL Jones, T Steury & **WC Walton**. 2020. Effects of tumbling, refrigeration and subsequent resubmersion on the abundance of *Vibrio vulnificus* and *Vibrio parahaemolyticus* in cultured oysters (*Crassostrea virginica*). *International Journal of Food Microbiology* 335: 1-8. <https://doi.org/10.1016/j.ijfoodmicro.2020.108858>
22. Cole, SM**, KM Dorgan, **WC Walton**, Brian Dzwonkowski & J Coogan. 2020. Infestation of farmed oysters (*Crassostrea virginica*) by mudblister worms (*Polydora websteri*). *Aquaculture Environment Interactions* 12: 297-314.
23. Petrolia, DR, F Nyanzu**, J Cebrian, A Harri & J Amato and **WC Walton**. 2020. Eliciting expert judgment to inform management of diverse oyster resources for multiple ecosystem services. *Journal of Environmental Management* 268.
24. Waters, Jr, PL**, D Petrolia & **WC Walton**. 2019. Do Oyster Gardening Programs Lead to Knowledge Changes? *Journal of the National Association of County Agricultural Agents* 12(2).
25. Miao, L**, **WC Walton**, L Wang & L Li. 2019. Characterization of polylactic acids-polyhydroxybutyrate based packaging film with fennel oil, and its application on oysters. *Food Packaging and Shelf Life* 22.
26. Grodeska, SM**, JL Jones, **WC Walton** & CR Arias. 2019. Effects of desiccation practices and ploidy in cultured oysters, *Crassostrea virginica*, on *Vibrio* spp. abundances in Portersville Bay (Alabama, USA). *Aquaculture* 507:164-171.
27. Wadsworth, P**, S Casas, J La Peyre & **WC Walton**. 2019. Elevated mortalities of triploid eastern oysters cultured off-bottom in northern Gulf of Mexico. *Aquaculture* 505:363-373.
28. Wadsworth, P**, A Wilson & **WC Walton**. 2019. A meta-analysis of growth rate in diploid and triploid oysters. *Aquaculture* 499:9-16.
29. Casas, S, **WC Walton**, G Chaplin, S Rikard, J Supan & J La Peyre. 2017. Performance of oysters selected for dermo resistance compared to wild oysters in northern Gulf of Mexico estuaries. *Aquaculture Environment Interactions* 9:169-180.
30. Grodeska, SM**, JL Jones, CR Arias & **WC Walton**. 2017. Effects of desiccation practices of cultured oysters, *Crassostrea virginica*, on *Vibrio* spp. in Portersville Bay (Alabama, USA). *Journal of Food Protection* 80:1280-1287.
31. Petrolia, DR, **WC Walton** & L Yehouenou**. 2017. Is there a market for branded Gulf of Mexico oysters? *Journal of Agricultural and Applied Economics* 49(1):45-65.
32. Zhang, J**, **WC Walton** & Y Wang. 2017. Quantitative quality evaluation of Eastern oyster (*Crassostrea virginica*) cultured by two different methods. *Aquaculture Research*. 1-11.
33. Jenny, MJ, **WC Walton**, SL Payton, JM Powers, RH Findlay, B O'Shields, K Diggins, M Pinkerton, D Porter, DM Crane, J Tapley & C Cunningham. 2016. Transcriptomic evaluation of the American oyster, *Crassostrea virginica*, deployed during the Deepwater Horizon oil spill: evidence of an active hydrocarbon response pathway. *Marine Environmental Research* 120:166-181.
34. Larsen, AM**, FS Rikard, **WC Walton** & CR Arias. 2015. Temperature effect on high salinity depuration of *Vibrio vulnificus* and *V. parahaemolyticus* from the Eastern oyster (*Crassostrea virginica*). *International Journal of Food Microbiology* 192:66-71.
35. **Walton, WC**, FS Rikard, GI Chaplin, JE Davis, CR Arias & JE Supan. 2013. Effects of ploidy and gear on the performance of cultured oysters, *Crassostrea virginica*: Survival, growth, shape, condition index and vibrio abundances. *Aquaculture* 414:260-266.
36. Carmichael, RH, **WC Walton** & H Clark. 2013. Corrigendum: Bivalve-enhanced N removal from coastal estuaries. *Canadian Journal of Fisheries & Aquatic Sciences*. 70.

37. Larsen, A, S Rikard, **W Walton** & CR Arias. 2013. Effective reduction of *Vibrio vulnificus* in the Eastern oyster (*Crassostrea virginica*) using high salinity depuration. *Food Microbiology* 34(1):118-122.
38. **Walton, WC**, C Nelson, M Hochman & J Schwarz. 2013. Preliminary study of transplanting as a process for reducing levels of *Vibrio vulnificus* and *V. parahaemolyticus* in shellstock oysters. *Journal of Food Protection* 76(1):119-123.
39. Carmichael, RH, AL Jones, HK Patterson, **WC Walton**, A Pérez-Huerta, E Overton, M Dailey & KL Willet. 2012. Assimilation of oil-derived elements by oysters due to the Deepwater Horizon oil spill. *Environmental Science & Technology* 46(23):12787-12795.
40. Carmichael, RH, **WC Walton** & H Clark. 2012. Bivalve-enhanced nitrogen removal from coastal estuaries. *Canadian Journal of Fisheries & Aquatic Sciences*. 69(7): 1131-1149.
41. Roy, L, G Whitis & **WC Walton**. 2012. Demonstration of blue crab, *Callinectes sapidus*, culture in inland low salinity waters of west Alabama. *North American Journal of Aquaculture* 74(4): 453-456.
42. Kraeuter, JN, S Ford, D Bushek, E Scarpa, **WC Walton**, DC Murphy, G Flimlin & G Mathis. 2011. Evaluation of Three Northern Quahog (=Hard Clam) *Mercenaria mercenaria* (Linnaeus) Strains Grown in Massachusetts and New Jersey for QPX-Resistance. *Journal of Shellfish Research* 30(3): 805-812.
43. Thresher, R, C Proctor, G Ruiz, R Gurney, C MacKinnon, **W Walton**, L Rodriguez & N Bax. 2003. Invasion dynamics of the European shore crab, *Carcinus maenas*, in Australia. *Marine Biology* 142(5): 867-876.
44. **Walton, WC**, C MacKinnon, L Rodriguez, C Proctor, R Thresher & GM Ruiz. 2002. Effect of an invasive crab upon a marine fishery: green crab, *Carcinus maenas*, predation upon a venerid clam, *Katelysia scalarina*, in Tasmania (Australia). *Journal of Experimental Marine Biology and Ecology* 272: 171-189.
45. Wonham, MJ, **WC Walton**, GM Ruiz, A Frese & BS Galil. 2001. Going to the source: role of the invasion pathway in determining potential invaders. *Marine Ecology Progress Series* 215: 1-12.
46. **Walton, WC** & WC Walton. 2001. Problems, predators, and perception: Management of quahog (hardclam), *Mercenaria mercenaria*, stock enhancement programs in southern New England. *Journal of Shellfish Research* 20(1):127-134.
47. **Walton, WC**. 1996. Occurrence of zebra mussel (*Dreissena polymorpha*) in the oligohaline Hudson River, New York. *Estuaries* 19(3):612-618.

Books and Contributions to Books (6)

1. Davis, JP, CV Davis & **WC Walton**. 2021. Farming oysters for food and profit. *In* Shumway, S [ed.] *Molluscan Shellfish Aquaculture: A Practical Guide*. 5m Publishing.
2. **Walton, WC**. 2018. Gulf oysters, revisited. *In* I Miller. 2018. *Gulf Coast Oysters: Classic & Modern Recipes of a Southern Renaissance*. (pg. 6). Spring House Press.
3. **Walton, WC** & DR Petrolia. 2014. Branding Premium Gulf Oysters. *In* BG Lockaby [Ed.] *Auburn Speaks on Food*. (pp. 110-113). Auburn University.
4. Anderson, JA, SM Baker, DL Swann, SG Hall, **WC Walton**, MG Haby, G Graham & C Wilson. 2013. Fisheries and Aquaculture. *In* Ingram, K. [ed.] *Climate of the Southeast United States*. National Climate Assessment Regional Technical Input Series. Island Press.
5. **Walton, WC** & DL Swann. 2013. Farming the coastal waters: oyster farming in the Gulf of Mexico. *In* BG Lockaby [Ed.] *Auburn Speaks on Water*. (pp. 124-133). Auburn University.
6. Swann, DL & **WC Walton**. 2013. Auburn University Marine Extension & Research Center. *In* BG Lockaby [Ed.] *Auburn Speaks on Water*. (pp. 134-135). Auburn University.

Distributed Non-Refereed Publications (15)

1. Davis, J et al. 2018. Supporting Resilient Coastal Economies through Impactful Aquaculture Communications. National Sea Grant Visioning Document. 10 pp.

2. **Walton, WC**, D Lappin** & FS Rikard. 2018. Testing different planting strategies of oyster spat on cultch for public stock enhancement in Alabama. Alabama Marine Resources Division. 14 pp.
3. **Walton, WC**, D Cline, F Wynne, D McIntosh, M Parker & D Straus. 2018. Aquaculture America 2018 by the numbers and results of the USAS member survey. *World Aquaculture* 49(2): 5-7.
4. **Walton, WC** & R Carnegie. 2016. Oyster disease survey of Alabama oyster farms late summer 2016.
5. Petrolia, DR, **WC Walton** & L Yehouenou**. 2015. Is there a market for branded Gulf of Mexico oysters? Mississippi State University Department of Agricultural Economics Working Paper 15-4. 41 pp.
6. Petrolia, DR, **WC Walton** & S Acquah**. 2014. A national survey of consumer preferences for branded Gulf oysters and risk perceptions of Gulf seafood. 149 pp.
<http://dx.doi.org/10.2139/ssrn.2528576>
7. Anderson, JA, SM Baker, DL Swann, SG Hall, **WC Walton**, MG Haby, G Graham & C Wilson. 2012. Effects of Climate Change on Fisheries and Aquaculture in the Southeast. *In* Ingram, K. [ed.] Southeast Region Technical Report to the National Climate Assessment. Pp. 185-203.
8. **Walton, WC**, C Nelson, M Hochman & J Schwarz. 2012. Test of effectiveness of relaying as a post-harvest process for reducing levels of *Vibrio vulnificus* and *V. parahaemolyticus* in shellstock oysters. Final Report to Interstate Shellfish Sanitation Commission.
9. Rikard, FS & **WC Walton**. 2012. The Impact of the Deepwater Horizon Oil Spill on the Auburn University Shellfish Laboratory Aquaculture Program. *World Aquaculture*. 43(1):32-34.
10. **Walton, WC** & FS Rikard. 2012. Use of hatchery reared oysters for shoreline protection. Final Report to US Fish & Wildlife Service: Coastal Programs. 11 pp.
11. **Walton, WC** & DC Murphy. 2011. Development of an improved oyster for Massachusetts shellfish farmers: Field test of seedless oysters. Final Report to Massachusetts Department of Agricultural Resources. 45 pp.
12. **Walton, WC**. 2009. Oyster habitat assessment: Summer 2009 preliminary analysis. Report to volunteers. 4 pp.
13. **Walton, WC** & D Murphy. 2003. Assessment of shellfish survival and growth in the Pamet River system. Report to Truro Shellfish Advisory Committee. WHOI-S-03-002. 17 pp.
14. **Walton, WC**, GM Ruiz & L Rodriguez. 2000. Carcinus bibliography database: Annotated bibliography for the European green crab, *Carcinus maenas*, with an ecological emphasis.
15. Ruiz, GM, AW Miller & **WC Walton**. 1998. The bi-coastal invasion of North America by the European green crab: Impacts and management strategies. Report: Aquatic Nuisance Species Task Force, 35pp.

Oral Professional Presentations (148)

1. Bushek, D, R Carnegie, **WC Walton** & P Rowe. 2021. Atlantic and Gulf shellfish seed biosecurity collaborative. Sea Grant Aquaculture Research Symposia, Nov. 1-3, 2021. [virtual]
2. **Walton, WC** & AK Michaelis. 2021. Seafood perceptions in the food service sector. Sea Grant Aquaculture Research Symposia, October 25-29, 2021. [virtual]
3. Saillant, E, H King, J Stannard, M Gima, S Rikard, **WC Walton** & H Yang. Pedigree reconstruction and estimates of genetic parameters for early growth traits in Gulf of Mexico Eastern oyster families reared communally. Aquaculture America 2021, August 12-14, 2021.
4. **Walton, WC**, C Robitaille, J Wilson, S Chehaude, B Wasden, A Michaelis & SA Watts. 2021. Effects of co-culture of urchins, *Lytechinus variegatus*, with Eastern oysters, *Crassostrea virginica*. National Shellfisheries Association, March 22-25, 2021. [virtual]
5. Michaelis, A, **WC Walton**, D Webster & LJ Shaffer. 2021. Shellfish farming and cultural services, the other ecosystems service. National Shellfisheries Association, March 22-25, 2021. [virtual]
6. Eastburn, MC**, **WC Walton** & J LaPeyre. 2021. Decreasing mortalities of triploid Eastern oysters (*Crassostrea virginica*) in the estuaries of the northern Gulf of Mexico: Field evaluation in coastal Alabama. National Shellfisheries Association, March 22-25, 2021. [virtual]
7. Kelly, J.** , J JL Jones & **WC Walton**. 2021 Effects of intertidal culture practices on the levels of *Vibrio parahaemolyticus* in farmed oysters (*Crassostrea gigas*) in the Pacific Northwest. National Shellfisheries Association, March 22-25, 2021. [virtual]
8. Bodenstein, S**, TR Tiersch, B Callam, **WC Walton** & J LaPeyre. 2021. Characterizing Eastern oysters, *Crassostrea virginica*, bred from native Louisiana broodstock under different salinity regimes: Effect of stock and cohort. National Shellfisheries Association, March 22-25, 2021. [virtual]
9. Jones, JL, JJ Miller JG Marchat W Jaillet-Neil, V Prunte & **WC Walton**. 2021. Management of *Vibrio* risk from oysters. National Shellfisheries Association, March 22-25, 2021. [virtual]
10. Grice, R, LD Swann & **WC Walton**. Concerned oystermen restoring estuaries program. National Shellfisheries Association, March 22-25, 2021. [virtual]
11. Petrolia, D, **WC Walton** & J Cebrian. 2020. Oyster economics: Costs, returns, and ecosystem benefits of extensive bottom harvest, intensive aquaculture, and non-harvested reefs. Bays & Bayous 2020, December 1-3, 2020. [virtual]
12. Swann, LD, R Grice & **WC Walton**. 2020. Concerned Oystermen Restoring Estuaries (CORE). Bays & Bayous 2020, December 1-3, 2020. [virtual]
13. Belgrad, B, E Combs*, L Smee & **WC Walton**. 2020. Bolstering oyster resilience for aquaculture and reef restoration using predator cues. Bays & Bayous 2020, December 1-3, 2020. [virtual]
14. Smee, L, **WC Walton** & B Belgrad. 2020. Scared strong: predator exposure increases oyster survival. Bays & Bayous 2020, December 1-3, 2020. [virtual]
15. Zuchowicz N**, S Bodenstein **, H Shamkhalichenar, **WC Walton** & TR Tiersch. 2020. Custom design of low-cost environmental sensing for oyster aquaculture. American Fisheries Society Virtual Spring Conference, April 16 – May 7, 2020. Poster presented May 6, 2020. [poster]
16. **Walton, WC**. 2020. Urchins in co-culture. Oyster South Symposium 2020, February 21-22, 2020, Wilmington, NC.

17. Hensey, S**, R Grice, M Parker, J Stewart & **WC Walton**. 2020. Effect of farming methods on quality and willingness to pay. Oyster South Symposium 2020, February 21-22, 2020. Wilmington, NC.
18. Bisker, K**, FS Rikard, G Chaplin & **WC Walton**. 2020. Effects of larval growth differences upon the field performance of cultured Eastern oysters (*Crassostrea virginica*): 2019 Results. Oyster South Symposium 2020, February 21-22, 2020. Wilmington, NC.
19. Prunte, VL**, **WC Walton** & JL Jones. 2020. Effects of handling on resubmersion times in North Carolina. 4th Annual Oyster South Symposium, Wilmington, NC.
20. Prunte, VL**, **WC Walton** & JL Jones. 2020. The effects of handling type on the levels of *Vibrio vulnificus* and *V. parahaemolyticus* in North Carolina cultured oysters. Aquaculture America Meeting, World Aquaculture Society, Honolulu, HI.
21. Nichols, ZG**, FS Rikard, SM Hadi Alavi, JA Bradford, **WC Walton** & IAE Butts. 2020. Physiological mechanisms regulating sperm motility initiation in Eastern oyster, *Crassostrea virginica*. Aquaculture America Meeting, World Aquaculture Society, Honolulu, HI. [Tyson Best Abstract Award]
22. Michaelis, A**, **WC Walton**, D Webster & LJ Shaffer. 2019. Mind the gap: a multi-regional understanding of the cultural ecosystem services provided by shellfish. 25th Biennial Conference of the Coastal and Estuarine Research Federation, November 3-7, 2019, Mobile, AL.
23. Hensey, S**, J Stewart, R Grice & **WC Walton**. 2019. Assessing the costs and benefits of different culture methods on an Alabama commercial oyster farm. 25th Biennial Conference of the Coastal and Estuarine Research Federation, November 3-7, 2019, Mobile, AL.
24. Nichols, ZG**, Rikard, S, Alavi, SMH, **Walton, WC** & Butts, IAE. 2019. Physiological mechanisms regulating sperm motility initiation in eastern oyster, *Crassostrea virginica*. Auburn University College of Agriculture (COA) Graduate Student Research Poster Showcase. [poster, earned Best Master's Poster Award]
25. Prunte, VL** & **WC Walton**. 2019. Assessing geographic variation on re-submergence time to reduce the vibrio risk associated with routine oyster aquaculture handling. Interstate Shellfish Sanitation Commission 2019 Biennial Meeting Symposium, October 5-10, 2019, San Diego, CA.
26. **Walton, WC**. 2019. There is an app for that - A simple app for everyday tasks on the oyster farm. Pacific Coast Shellfish Growers Association 73rd Annual Shellfish Growers Conference and Tradeshow, September 17-19, 2019, Portland, OR.
27. Waters, Jr, PL**, D Petrolia, R Wright, J Witte & **WC Walton**. 2019. If they grow it, do they learn? An investigation into the efficacy of volunteer oyster gardening programs as a vehicle for learning. National Association of County Agents and Specialists Conference, September 8-12, 2019. Fort Wayne, Indiana.
28. **Walton, WC** & BA Walton. 2019. Seafood servers, know thy seafood. Pilot efforts to develop a training program for the seafood restaurant industry. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
29. Walton, BA, DL Swann & **WC Walton**. 2019. The Gulf of Mexico Shellfish Initiative: Using stakeholder feedback as a stepping stone to implement next steps. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
30. Walton, BA, **WC Walton** & BT Rackley. 2019. Oyster South: Growing the southern farm-raised oyster community. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
31. Grice, R & **WC Walton**. 2019. Peer to pier fellowship program for oyster aquaculture. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.

32. Prunte, VL**, **WC Walton** & JL Jones. 2019. Effects of gear type and season on *Vibrio parahaemolyticus* and *V. vulnificus* in farm-raised oysters *Crassostrea virginica* after routine handling. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
33. Bodenstein, SR** & **WC Walton**. 2019. Testing causes of differential mortality rates between triploid and diploid Eastern oysters *Crassostrea virginica* in the northern Gulf of Mexico. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
34. Bisker, KA**, FS Rikard & **WC Walton**. 2019. Effects of larval growth differences upon the field performance of cultured Eastern oysters *Crassostrea virginica*. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
35. Michaelis, A**, D Webster, **WC Walton** & LJ Shaffer. 2019. Are we doing oyster aquaculture a disservice by ignoring cultural ecosystem services? Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
36. Petrolia, D, J Cebrian, **WC Walton**, A Harri, F Nyanzu** & J Amato. 2019. Estimating ecosystem services for oysters using expert elicitation. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
37. Jones, JL, JJ Miller, JG Marchant, W Neil, V Prunte** & **WC Walton**. 2019. Management of vibrio risk from oysters. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
38. Kirk, SE**, TH Bliss, JE Davis, **WC Walton**, CR Weirich & RB Bringolf. 2019. Efficacy of biofouling mitigation methods for floating cage production of southeastern triploid Eastern oysters *Crassostrea virginica*. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
39. Chapman, EL**, JE Davis, J Rider, L Sturmer, **WC Walton** & JE Supan. 2019. Comparing off-bottom techniques of oyster aquaculture *Crassostrea virginica* on biofouling in the northern Gulf of Mexico. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA.
40. Bodenstein, S**, **WC Walton** & J Stoeckel. 2019. Comparison of shell-closing strength for triploid and diploid Eastern oysters *Crassostrea virginica*. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA. [poster, earned The Gordon Gunter Outstanding Student Poster Presentation Award]
41. Hensey, S**, **WC Walton**, R Grice, M Parker, J Stewart & **WC Walton**. 2019. Improving the (Off) Bottom Line: Assessing the Costs and Benefits of Different Culture Methods on an Alabama Commercial Oyster Farm. Aquaculture America 2019, March 7-11, 2019, New Orleans, LA. [poster, earned USAS Best Poster Award]
42. Prunte, VL**, **WC Walton** & JL Jones. 2019. Effects of gear type and season on *Vibrio parahaemolyticus* and *V. vulnificus* in farm-raised oysters *Crassostrea virginica* after routine handling. Oyster South Symposium 2019, February 22-23, Orange Beach, AL.
43. Bodenstein, SR** & **WC Walton**. 2019. Testing causes of differential mortality rates between triploid and diploid Eastern oysters *Crassostrea virginica* in the northern Gulf of Mexico. Oyster South Symposium 2019, February 22-23, Orange Beach, AL.
44. Kirk, SE**, TH Bliss, JE Davis, **WC Walton**, CR Weirich & RB Bringolf. 2019. Efficacy of biofouling mitigation methods for floating cage production of southeastern triploid Eastern oysters *Crassostrea virginica*. Oyster South Symposium 2019, February 22-23, Orange Beach, AL.
45. Chapman, EL**, JE Davis, J Rider, L Sturmer, **WC Walton** & JE Supan. 2019. Comparing off-bottom techniques of oyster aquaculture *Crassostrea virginica* on biofouling in the northern Gulf of Mexico. Oyster South Symposium 2019, February 22-23, Orange Beach, AL.
46. Bisker, KA**, FS Rikard & **WC Walton**. 2019. Effects of larval growth differences upon the field performance of cultured Eastern oysters *Crassostrea virginica*. Oyster South Symposium 2019, February 22-23, Orange Beach, AL. [poster]

47. Hensey, S**, WC Walton, R Grice, M Parker, J Stewart & **WC Walton**. 2018. Improving the (Off) Bottom Line: Assessing the Costs and Benefits of Different Culture Methods on an Alabama Commercial Oyster Farm. Oyster South Symposium 2019, February 22-23, Orange Beach, AL. [poster]
48. Nyanzu, F**, D Petrolia, A Harri, J Cebrian & **WC Walton**. 2018. Optimal portfolio design to manage oyster resources. Southern Agricultural Economics Association 51st Annual Meeting, February 2-5, Birmingham, AL.
49. Hensey, S**, WC Walton, R Grice, M Parker, J Stewart & **WC Walton**. 2018. Improving the (Off) Bottom Line: Assessing the Costs and Benefits of Different Culture Methods on an Alabama Commercial Oyster Farm. Bays & Bayous 2018, November 28-29, 2018, Mobile, AL. [poster, third place]
50. Nyanzu, F**, D Petrolia, A Harri, J Cebrian & **WC Walton**. 2018. Optimal portfolio design to manage oyster resources. Bays & Bayous 2018, November 28-29, 2018, Mobile, AL.
51. Cole, SM**, KM Dorgan & **WC Walton**. 2018. Infestation of Farmed Oysters (*Crassostrea virginica*) by Mudblister Worms (*Polydora websteri*). Bays & Bayous 2018, November 28-29, 2018, Mobile, AL.
52. Titus, EF*, KM Dorgan, SM Cole & **WC Walton**. 2018. Oyster recovery from mudblister worm infestation. Bays & Bayous 2018, November 28-29, 2018, Mobile, AL. [poster]
53. Hensey, S**, **WC Walton**, R Grice, J Stewart & M Parker. 2018. Improving the (Off) Bottom Line: Assessing the Costs and Benefits of Different Culture Methods on an Alabama Commercial Oyster Farm. Auburn University College of Agriculture 2018 Graduate Student Research Poster Showcase, October 25, 2018, Auburn, AL.
54. Prunte, VL**, **WC Walton** & JL Jones. 2018. Effects of gear type and season on *Vibrio* spp. in farm-raised oysters, *Crassostrea virginica*, after routine handling. DISL-FDA Annual Seminar, September 13, 2018, Dauphin Island, AL.
55. Michaelis, A**, D Webster, **WC Walton** & LJ Shaffer. 2018. The beneficent bivalve: the oyster and ecosystem services. Society for Applied Anthropology, April 3-7, 2018, Philadelphia, PA.
56. Cole, S**, **WC Walton** & K Dorgan. 2018. Oyster infestation: abundance of mudblister worms (*Polydora websteri*) in Alabama coastal oyster farms. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.
57. Pugh, R**, K Dorgan, S Cole & **WC Walton**. 2018. Mud blisters in oysters: Relating worm infestation to blister strength. National Shellfisheries Association, March 18-22, 2018, Seattle, WA. [poster]
58. Wadsworth, P** & **WC Walton**. 2018. Summer mortality in farmed triploid and diploid oysters, *Crassostrea virginica*, in the northern Gulf of Mexico. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.
59. Lappin, D**, **WC Walton**, S Rikard & J Herrmann. 2018. Spat on shell as a means for stock enhancement on public reefs in Alabama and the standardization of setting efficiency assessment. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.
60. Waters, PJ**, **WC Walton**, D Petrolia, J Witte & DL Swann. 2018. If you build it, why do they come? An investigation into the motivations of volunteer oyster gardeners. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.
61. Prunte, V**, **WC Walton** & J Jones. 2018. Effects of tumbling and refrigeration on the abundance of *Vibrio vulnificus* and *Vibrio parahaemolyticus* in an oyster relay study. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.
62. Neil, W, V Prunte**, B Webb, **WC Walton** & J Jones. 2018. Levels of *Vibrio* spp. after desiccation and re-submergence of oysters stored in three common gear types in Alabama. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.

63. Davis, C, J Davis & **WC Walton**. 2018. Exploring an initiative to train the next generation of shellfish biologists. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.
64. Walton, BA, DL Swann & **WC Walton**. 2018. Gulf of Mexico Shellfish Initiative: A regional approach. National Shellfisheries Association, March 18-22, 2018, Seattle, WA.
65. Shade, C* & **WC Walton**. 2017. Understanding *Polydora websteri* infestation in *Crassostrea virginica*: Applications for off-bottom oyster farming. National Shellfisheries Association, March 26-30, 2017, Knoxville, TN.
66. Walton, BA, **WC Walton**, B Rackley & T Golden. 2017. Oyster South: Supporting oyster farming in the US South. National Shellfisheries Association, March 26-30, 2017, Knoxville, TN.
67. Rawson, P, **WC Walton**, D Morse & K Dorgan. 2017. Gauging the current impact of blister worm on the Atlantic and Gulf Coast oyster culture industries. National Shellfisheries Association, March 26-30, 2017, Knoxville, TN.
68. **Walton, WC**. 2017. Update on oyster aquaculture in Alabama. Oyster South Symposium, January 27-28, 2017, Auburn, AL.
69. Gamble, C & **WC Walton**. 2017. Evaluation of the floating cage system in coastal Alabama. Oyster South Symposium, January 27-28, 2017, Auburn, AL.
70. Rikard, FS & **WC Walton**. 2017. Hatchery capacity and seed availability in the Southeast region. Oyster South Symposium, January 27-28, 2017, Auburn, AL.
71. Grodeska, SM**, CR Arias, JL Jones & **WC Walton**. 2017. Effects of desiccation practices on *Vibrio* abundances of cultured oysters, *Crassostrea virginica*. Oyster South Symposium, January 27-28, 2017, Auburn, AL. [poster]
72. Borgert, R**, J Stoeckel, **WC Walton**, K Heck & W Daniels. 2017. Factors affecting value of off-bottom oyster aquaculture cages as habitat for juvenile blue crab. Oyster South Symposium, January 27-28, 2017, Auburn, AL. [poster]
73. Shade, C* & **WC Walton**. 2017. Understanding *Polydora websteri* infestation in *Crassostrea virginica*: Applications for off-bottom oyster farming. Oyster South Symposium, January 27-28, 2017, Auburn, AL. [poster]
74. Grodeska, SM, JL Jones, CR Arias & **WC Walton**. 2016. Effects of desiccation practices and ploidy in cultured oysters, *Crassostrea virginica*, on *Vibrio* spp. abundances in Portersville Bay. Bays & Bayous, November 30-December 1, 2017, Biloxi, MS.
75. Carter, J, **W Walton**, D Armstrong, O Otiunno, D Johnson, J Ascott*, M Griffith & L MacMillian*. 2016. Field testing the use of food grade oils to suppress apple snail reproduction. Gulf and South Atlantic Regional Panel on Aquatic Invasive Species. October 4-5, 2016, Lafayette, LA.
76. Grodeska, SM**, CR Arias, JL Jones & **WC Walton**. 2016. Effects of desiccation practices on *Vibrio* abundances of cultured oysters, *Crassostrea virginica*. Aquaculture 2016. February 22-26, 2016. Las Vegas, NV. [poster, earned USAS Best Poster Award]
77. Williams, CT*, JW Krause & **WC Walton**. 2016. Understanding the effects of diet on larval *Crassostrea virginica*: A comparison of commercial concentrates and live algal feed. Ocean Sciences Meeting. February 21-26, 2016. New Orleans, LA. [poster]
78. **Walton, WC**. 2015. #OysterSouth: Oyster farming in the Southern USA. 6th International Oyster Symposium. October 21-23, 2015, Falmouth, MA.
79. **Walton, WC**. 2015. Quantifying effects of culture methods on quality and consistency of Eastern oyster, *Crassostrea virginica*. 6th International Oyster Symposium. October 21-23, 2015, Falmouth, MA.
80. **Walton, WC**, C Nelson, A Sunseri & L Swann. 2015. The Gulf Shellfish Initiative: a regional challenge and opportunity. National Shellfisheries Association, March 22-26, 2015. Monterey, CA.

81. Borgert, R**, J Stoeckel, **WC Walton**, K Heck & W Daniels. 2015. Factors affecting value of off-bottom oyster aquaculture cages as habitat for juvenile blue crab. National Shellfisheries Association, March 22-26, 2015. Monterey, CA. [poster, earned Gordon Gunter Outstanding Poster Award]
82. Stewart, ER** & **WC Walton**. 2015. Effects of stocking density in the nursery and the field on Eastern oyster, *Crassostrea virginica*, growth and shape. National Shellfisheries Association, March 22-26, 2015. Monterey, CA.
83. **Walton, WC**, CR Arias & J Jones. 2014. Preliminary results of the effects of culture practices on *Vibrio* spp. abundances in farmed oysters. Bays & Bayous Symposium, Dec. 2-3, 2014, Mobile, AL.
84. Nelson, C & **WC Walton**. 2014. Regional oyster reef restoration for a cleaner Gulf through stock enhancement and habitat creation. Bays & Bayous Symposium, Dec. 2-3, 2014, Mobile, AL.
85. Waters, Phillip Jr. & **WC Walton**. 2014. Oyster Reserve Establishment in Mississippi Sound (AL). Bays & Bayous Symposium, Dec. 2-3, 2014, Mobile, AL. [poster]
86. **Walton, WC**, FS Rikard & GI Chaplin. 2014. Effect of desiccation regimes on cultured oyster, *Crassostrea virginica*, production and quality. National Shellfisheries Association, March 29 – April 2, 2014. Jacksonville, FL.
87. Rikard, FS, **WC Walton** & JE Davis. 2014. Evaluation of current and near future oyster hatchery capacity in the Southeastern U.S. National Shellfisheries Association, March 29 – April 2, 2014. Jacksonville, FL.
88. Stewart, ER** & **WC Walton**. 2014. A comparative study of habitat value for the juvenile blue crab, *Callinectes sapidus*, provided by off-bottom oyster farming in the northern Gulf of Mexico. National Shellfisheries Association, March 29 – April 2, 2014. Jacksonville, FL.
89. Zirlott, R & **WC Walton**. 2014. An oyster farmer training program in Alabama. National Shellfisheries Association, March 29 – April 2, 2014. Jacksonville, FL.
90. Crockett, S, D Crockett & **WC Walton**. 2014. Point aux Pins Oyster Company: Lessons learned in off-bottom oyster farming on the Alabama coast. National Shellfisheries Association, March 29 – April 2, 2014. Jacksonville, FL.
91. Davis, JE, T Bliss, J Supan, L Sturmer, M Turano & **WC Walton**. 2014. A state-by-state status report on off-bottom oyster farming in the US Southeast. National Shellfisheries Association, March 29 – April 2, 2014. Jacksonville, FL.
92. Carmichael, R, E Darrow, W Burkhardt III, K Calci, W Wu, D Ruple & **W Walton**. 2013. Legacy effects of land-use change and nitrogen source shifts on Grand Bay, Mississippi: a benchmark for building collaborative research at the Grand Bay NERR. Grand Bay National Estuarine Research Reserve Science Symposium, October 22, 2013. Moss Point, MS.
93. Petrolia, D & **WC Walton**. 2013. Consumer preference for branded Gulf of Mexico oysters. Challenges of Natural Resource Economics & Policy 2013, March 24-26, New Orleans, LA.
94. **Walton, WC**, C Nelson, M Hochman & J Schwarz. 2013. Effectiveness of transplanting as a process for reducing levels of *Vibrio vulnificus* and *V. parahaemolyticus* in shellstock oysters. Aquaculture 2013, February 21-25, 2013, Nashville, TN.
95. Larsen**, A, FS Rikard, **WC Walton** & C Arias. 2013. The effects of temperature on the efficacy of high salinity depuration of *Vibrio vulnificus* from the eastern oyster *Crassostrea virginica*. Aquaculture 2013, February 21-25, 2013, Nashville, TN.
96. La Peyre, J, S Casas, **WC Walton**, G Chaplin, FS Rikard & J Supan. 2013. Evaluation of Gulf Coast oysters *Crassostrea virginica* selected for dermo resistance and wild oysters for commercial production in Alabama estuaries. Aquaculture 2013, February 21-25, 2013, Nashville, TN.

97. Davis**, JE & **WC Walton**. 2013. Effects of stocking density and basket orientation when using the adjustable longline system for oyster grow-out: measures of production. Aquaculture 2013, February 21-25, 2013, Nashville, TN.
98. Landry*, K, FS Rikard, T Meyers*, **WC Walton**. 2013. Performance of upweller versus field bag nursery systems for rearing oyster seed *Crassostrea virginica*. Aquaculture 2013, February 21-25, 2013, Nashville, TN.
99. **Walton, WC**, FS Rikard, GI Chaplin, JE Davis**, CR Arias & JE Supan. 2012. Effects of ploidy and gear on the performance of farmed oysters. Northeast Aquaculture Conference & Exposition/Milford Aquaculture Seminar/International Conference on Shellfish Restoration, Dec. 12-15, 2012, Groton, CT.
100. Davis**, JE & **WC Walton**. 2012. Effects of stocking density and basket orientation when using the adjustable longline system for oyster grow-out: Measures of product quality. Northeast Aquaculture Conference & Exposition/Milford Aquaculture Seminar/International Conference on Shellfish Restoration, Dec. 12-15, 2012, Groton, CT.
101. Rikard, FS, **WC Walton**, TA Reed & EC Henry. 2012. Use of microalgae concentrates for rearing of oyster larvae, (*Crassostrea virginica*). Northeast Aquaculture Conference & Exposition/Milford Aquaculture Seminar/International Conference on Shellfish Restoration, Dec. 12-15, 2012, Groton, CT.
102. **Walton, WC**, FS Rikard, GI Chaplin, JE Davis**, CR Arias & JE Supan. 2012. Shellfish farming in the Gulf of Mexico: effects of ploidy and gear on the performance of farmed oysters. Bays & Bayous Symposium, Nov. 14-15, 2012, Biloxi, MS.
103. Davis**, JE, **WC Walton**, GI Chaplin, FS Rikard, DL Swann & T Hanson. 2012. Off-bottom Oyster Farming: Creating Entrepreneurial Opportunities for Rural Gulf Communities. Bays & Bayous Symposium, Nov. 14-15, 2012, Biloxi, MS. [poster]
104. Petrolia, D & **WC Walton**. A National Survey of Consumer Preferences for Branded Gulf Oysters and Risk Perceptions of Gulf Seafood. Bays & Bayous Symposium, Nov. 14-15, 2012, Biloxi, MS.
105. **Walton, WC**, FS Rikard & GI Chaplin. 2012. The effects of tumbling and sorting seed by size on the performance of farmed oysters, *Crassostrea virginica*, in the Gulf of Mexico. Gulf Estuarine Research Society meeting, Nov. 8-9, 2012, Dauphin Island, AL. [poster]
106. Dalrymple**, DJ, RH Carmichael & **WC Walton**. 2012. Increased N removal by triploid oysters: implications for aquaculture. Gulf Estuarine Research Society meeting, Nov. 8-9, 2012, Dauphin Island, AL. [poster]
107. Yao**, N & **WC Walton**. 2012. Quantification of the potential spawning contribution from restored oyster in coastal Alabama. 6th National Conference on Coastal and Estuarine Habitat Restoration. Oct. 20-25, 2012. Tampa, FL.
108. **Walton, WC** & DL Swann. 2012. Innovation through outreach and extension: oyster farming as an opportunity for the Gulf Coast. Auburn University Outreach Scholarship Symposium, April 10-11, 2012, Auburn, AL.
109. **Walton, WC**, JE Davis**, G Chaplin, JE Supan & FS Rikard. 2012. Effect of grow-out gear on field performance of triploid oysters, *Crassostrea virginica*. National Shellfisheries Association, Seattle, WA.
110. Rikard, FS, **WC Walton** & G Chaplin. 2012. The effect of sorting seed by size and tumbling on the grow-out of farmed oysters, *Crassostrea virginica*, in the Gulf of Mexico. National Shellfisheries Association, Seattle, WA.
111. Murphy, DC, **WC Walton**, J Reitsma & H Clark. 2012. The Cape Cod Research Farm Network: a tool for applied research and extension. National Shellfisheries Association, Seattle, WA.

112. Yao**, N & **WC Walton**. 2012. Quantifying the spawning potential of oyster reef restoration projects in coastal Alabama. National Shellfisheries Association, Seattle, WA.
113. Cash**, E & **WC Walton**. 2012. Assessment of queen conch in south Eleuthera, The Bahamas. National Shellfisheries Association, Seattle, WA.
114. Davis**, J & **WC Walton**. 2012. Making of an Alabama Farm-Raised Oyster. Gulf of Mexico Graduate Student Symposium, Dauphin Island, AL.
115. Yao**, N & **WC Walton**. 2012. Quantifying the spawning potential of oyster reef restoration projects in coastal Alabama. Gulf of Mexico Graduate Student Symposium, Dauphin Island, AL.
116. Cash**, E & **WC Walton**. 2012. Survey of queen conch middens and population in South Eleuthera Bahamas. Gulf of Mexico Graduate Student Symposium, Dauphin Island, AL.
117. Whitis, G, L Roy & **WC Walton**. 2012. Demonstration of blue crab, *Callinectes sapidus*, culture in inland low salinity waters of West Alabama. Alabama Fisheries Association, Columbiana, AL.
118. **Walton, WC**, JE Davis**, G Chaplin, J Supan & FS Rikard. 2012. Off-bottom oyster farming in the Gulf of Mexico: Effects of grow-out gear on performance of triploid oysters. Alabama Fisheries Association, Columbiana, AL.
119. Yao**, N & **WC Walton**. 2012. Quantifying the spawning potential of oyster reef restoration projects in coastal Alabama. Alabama Fisheries Association, Columbiana, AL.
120. **Walton, WC** & J Supan. 2011. Farming the fertile crescent: Off-bottom oyster culture in the northern Gulf of Mexico. National Aquaculture Extension Conference, Memphis, TN. [poster]
121. Coddington**, CH, **WC Walton**, FS Rikard & G Chaplin. 2011. Evaluating the Costs and Benefits of a Mechanical Grader to Improve Aquaculture Production of Oysters, *Crassostrea virginica*: An Experimental Test of Gear Type and Tumbling. National Shellfisheries Association, Baltimore, MD.
122. Chaplin, G, FS Rikard, CH Coddington**, T Hanson and **WC Walton**. 2011. Off-bottom oyster farming in the Gulf of Mexico: Evaluation of start-up costs and labor requirements of different aquaculture gear in a side-by-side comparison. National Shellfisheries Association, Baltimore, MD.
123. Kraeuter, JN, S Ford, D Bushek, E Scarpa, **WC Walton**, DC Murphy, G Flimlin & G Mathis. 2011. National Shellfisheries Association, Baltimore, MD.
124. Coddington**, CH, **WC Walton**, FS Rikard & G Chaplin. 2010. Evaluation of a mechanical grader for improving shell quality and reducing fouling in the commercial aquaculture production of oysters, *Crassostrea virginica*, in the Gulf of Mexico. Bays & Bayous 2010, Mobile, AL.
125. Rikard, FS & **WC Walton**. 2011. The impact of the Deepwater Horizon oil spill on the Auburn University Shellfish Laboratory aquaculture program. Aquaculture America, New Orleans, LA.
126. Coddington**, CH, **WC Walton**, FS Rikard & G Chaplin. 2011. Evaluation of a mechanical grader for improving shell quality in the aquaculture production of oysters *Crassostrea virginica* in the northern Gulf of Mexico. Aquaculture America, New Orleans, LA. [poster]
127. **Walton, WC**, FS Rikard, G Chaplin & C Coddington**. Off-bottom oyster farming in the Gulf of Mexico. Bays & Bayous 2010. Mobile, AL. [poster]
128. **Walton, WC** & DC Murphy. 2010. Performance of triploid oysters, *Crassostrea virginica*, on commercial shellfish farms (Ma, USA). Aquaculture 2010, San Diego, CA.

129. Coddington**, CH, **WC Walton**, FS Rikard & B Page. 2010. Assessment of coastal Alabama riparian sites for commercial production of single shell eastern oysters, *Crassostrea virginica*. Aquaculture 2010, San Diego, CA.
130. Rikard, FS, **WC Walton**, CH Coddington** & G Chaplin. 2010. The effect of hatchery experience on future grow-out of oyster spat, *Crassostrea virginica*. Aquaculture 2010, San Diego, CA.
131. **Walton, WC**. 2009. Assessing shellfish habitat in Alabama using a low-cost field method. Alabama Fisheries Association, Auburn, AL.
132. **Walton, WC** & DC Murphy. 2009. Field test of triploid oysters, *Crassostrea virginica*, on Massachusetts shellfish farms: First year performance. National Shellfisheries Association, Savannah, GA.
133. **Walton, WC**, D Murphy & R Smolowitz. 2008. Field test of culture methods to reduce losses of farmed northern quahogs (*Mercenaria mercenaria*) to QPX (Quahog parasite unknown). National Shellfisheries Association, Providence, RI.
134. **Walton, WC**, D Murphy & R Smolowitz. 2008. Quahog triage: Identifying and responding to an outbreak of QPX (Quahog parasite unknown). National Shellfisheries Association, Providence, RI.
135. **Walton, WC** & D Murphy. 2008. A low-cost tool to quantitatively assess shellfish habitat. National Shellfisheries Association, Providence, RI.
136. Defaveri, J, S Roberts, R Smolowitz, D Murphy & **WC Walton**. 2008. Characterizing gene expression patterns in three strains of northern quahogs *Mercenaria mercenaria* in response to infection by QPX. National Shellfisheries Association, Providence, RI.
137. Smolowitz, R, J Defaveri, **WC Walton**, D Murphy & D Leavitt. 2008. The interaction of temperature and hard clam (*Mercenaria mercenaria*) strain on the occurrence of QPX disease in the laboratory and in the field. National Shellfisheries Association, Providence, RI.
138. Murphy, DC & **WC Walton**. 2008. Bay scallop, *Argopecten irradians irradians*, restoration in Massachusetts waters. National Shellfisheries Association, Providence, RI.
139. Carmichael, RH, **W Walton** & H Clark. 2008. Remediation of eutrophication by oysters, *Crassostrea virginica*. National Shellfisheries Association, Providence, RI.
140. Hegaret, H, RI Smolowitz, GH Wikfors, J Defaver, **W Walton**, D Murphy & SE Shumway. 2008. Effect of temperature on hemocyte responses of northern Quahogs (= hard clams, *Mercenaria mercenaria*) from different populations. National Shellfisheries Association, Providence, RI.
141. **Walton, WC**, B Wright* & DC Murphy. 2006. To pit or not to pit? Comparison of overwintering methods for oysters. National Shellfisheries Association, Monterey, CA.
142. McAneney, B, M Fregeau, S Weston, JK Buttner, **WC Walton**, DC Murphy & J Grundstrom. 2005. Characterization of green crab (*Carcinus maenas*) populations in coastal waters of Massachusetts. National Shellfisheries Association, Philadelphia, PA.
143. Murphy, DC, **WC Walton**, SB Roberts & BA Walton. 2005. Experimental use of bay scallop, *Argopecten irradians*, pediveligers in restoration programs. National Shellfisheries Association, Philadelphia, PA.
144. **Walton, WC**, D Murphy, R Goldberg, S Stiles, S Tettlebach, M Chintala & K Tammi. 2005. Bay scallop restoration in the Northeast: A workshop summary. National Shellfisheries Association, Philadelphia, PA.
145. **Walton, WC**. 2002. Shellfish seed as a public enhancement tool. National Shellfisheries Association, Mystic, CT.
146. **Walton, WC**, GM Ruiz & BA Starr. 1999. Mitigating predation by the European green crab, *Carcinus maenas*, upon publicly maricultured quahogs, *Mercenaria mercenaria*. National Shellfisheries Association, Halifax, Nova Scotia.

147. **Walton, WC**, et al. 1998. Fisheries and invading species: effect of the nonindigenous green crab upon a Tasmanian venerid clam fishery. American Fisheries Society Annual Meeting, Hartford, CT.
148. **Walton, WC** & GM Ruiz. 1995. Importation of oysters to Chesapeake Bay as a transfer mechanism for nonindigenous species. 23rd Benthic Ecology Meeting, New Brunswick, NJ.

Invited Professional Presentations (28)

1. **Walton, WC**. 2022. VIMS Shellfish Aquaculture Science Initiative: Overview and update on Gloucester Point. Virginia Aquaculture Conference. January 8, 2022. Newport News, VA.
2. **Walton, WC**. 2021. University of Alabama at Birmingham Biology Department Career Pane. University of Alabama at Birmingham. October 25, 2021. Panel member. Online meeting.
3. **Walton, WC**. 2020. Shellfish aquaculture research: Identifying important ideas, collaborating with the right people, and evaluating impacts. Virginia Institute of Marine Science. October 20, 2020. Gloucester Point, VA.
4. **Walton, WC**. 2020. Methods to estimate the number of shellfish seed: A demonstration and a broader discussion. Virginia Institute of Marine Science. October 20, 2020. Gloucester Point, VA.
5. **Walton, WC**. 2020. Increasing resilience of farmed oysters before, during, and after an oil spill. Gulf of Mexico Regional Oil Spill Response Team Online Workshop. July 27, 2020. Virtual.
6. **Walton, WC**. 2020. Oyster management data sharing and gaps: Oyster aquaculture. Gulf of Mexico Alliance Oyster Management Data Sharing and Gaps Workshop. January 16, 2020. Mobile, AL.
7. **Walton, WC** & FS Rikard. 2019. Auburn University Shellfish Laboratory Research: Past, Present and Future. Auburn University School of Fisheries, Aquaculture & Aquatic Sciences Seminar, April 5, 2019. Auburn, AL.
8. **Walton, WC**. 2018. Oyster farming in the southern US: Opportunities for collaboration. Auburn University College of Agriculture Water and Aquatic Resources Research Team, November 27. Auburn, AL.
9. **Walton, WC**. 2018. 2018 Auburn Talks: Improving the (Off) Bottom Line for Oyster Farmers. Auburn University Faculty Research Symposium, October 23. Auburn, AL (invited speaker)
10. **Walton, WC**. 2018. Connecting Faculty Expertise to Regional Economic Development. Auburn University Faculty Research Symposium, October 23. Auburn, AL (invited panelist)
11. **Walton, WC**. 2018. The next wave: oyster farming in the southern US. Southern Administrative Heads and CARET Joint Summer Meeting, July 27-29. Auburn, AL (invited speaker)
12. **Walton, WC**. 2018. The revolution in oyster farming in the southern US. Gulf and South Atlantic States Shellfish Conference, May 1-3, 2018. Mobile, AL (invited speaker)
13. **Walton, WC**. 2017. Rise of shellfish aquaculture and managing risks associated with Vibrios. International Association of Food Protection, June 9-12, 2017. Tampa, FL (invited speaker & panelist)
14. **Walton, WC** & JE Supan. 2017. Off-bottom oyster farming providing ecosystem services in the Gulf of Mexico. Aquaculture America, February 20-22, 2017. San Antonio, TX (invited speaker & panelist)
15. **Walton, WC**. 2016. Updates and outlook for the Gulf of Mexico Shellfish Initiative. Aquaculture 2016. February 22-26, 2016. Las Vegas, NV. (invited speaker & panelist)

16. **Walton, WC.** 2016. Current status of oyster aquaculture on Alabama's Gulf Coast. Aquaculture 2016. February 22-26, 2016. Las Vegas, NV. (invited speaker & panelist)
17. **Walton, WC.** 2015. Experimental approach to improving quality of farmed shellfish: research at Auburn University Shellfish Laboratory. North Carolina Shellfish Growers Association 2015 Meeting. February 27-28, 2015, New Bern, NC.
18. Nelson, C, **WC Walton** & L Swann. 2015. Gulf of Mexico Shellfish Initiative and the Gulf Oyster Hatchery Initiative: introductions and invitations. Gulf Oyster Industry Council Meeting, January 14, 2015, New Orleans, LA.
19. **Walton, WC.** 2013. Oyster aquaculture research program at AUSL: Recent work and opportunities for collaboration. School of Fisheries, Aquaculture & Aquatic Sciences Fall Seminar Series, September 13, 2013, Auburn, AL.
20. Carmichael, RH, DJ Dalrymple**, P Biancani**, C Kovacs, **WC Walton** & E Condon**. Nitrogen in bivalve shell & soft tissues: Implications for N sequestration and cycling in coastal waters. Goldschmidt 2013, August 25-30, 2013, Florence, Italy.
21. **Walton, WC.** 2013. Experimental approach to improving quality of farmed shellfish: Research at Auburn University Shellfish Laboratory. Rutgers University Haskins Shellfish Research Laboratory, Bivalve, NJ. June 21, 2013.
22. **Walton, WC.** 2013. Oyster farming as an opportunity for the Gulf Coast. Auburn Speaks Speaker Series, Auburn, AL. April 18, 2013.
23. **Walton, WC.** 2013. Off-bottom oyster farming in the Gulf of Mexico: Lessons learned. Virginia Institute of Marine Sciences, Gloucester Point, VA. February 28, 2013.
24. **Walton, WC.** 2010. Food safety and the Gulf of Mexico oyster industry: A challenging road ahead. Food Distribution Research Society, San Destin, FL. (invited speaker & panelist)
25. **Walton, WC.** 2010. Impacts of the DHOS on Alabama fisheries. Auburn University Road to Recovery Conference, Gulf Shores, AL. (invited speaker & panelist)
26. Rikard, FS & **WC Walton.** 2010. An overview of research and hatchery production at the Auburn University Shellfish Laboratory. 2010 Gulf & South Atlantic States Shellfish Conference. Orange Beach, AL.
27. Swann, L, **WC Walton** & S Szedlemayer. 2010. Impacts of the DHOS. Department of Fisheries & Allied Aquacultures Seminar. Auburn, AL.
28. **Walton, WC,** et al. 1995. Comparative approaches to the ecology of invasions of marine ecosystems: studies on the inter-oceanic scale. Japanese Association of Benthology, Kyoto.

Sessions or Panels Moderated or Chaired (18)

1. Down on the Farm. 2021 National Shellfisheries Association. Virtual. March 25, 2021. Co-Chair.
2. Gulf States Marine Fisheries Commission Technical Coordinating Committee Molluscan Shellfish Subcommittee Oyster Hatchery Special Session. 2021. Virtual Meeting. March 4, 2021. Moderator.
3. Science and Policy for Oyster Management Panel. 2020 Mississippi-Alabama Bays & Bayous Symposium. Virtual Meeting. December 3, 2020. Chair and Moderator.
4. Lessons from Virginia's Experience. 2020 Oyster South Symposium. Wilmington, NC. February 21, 2020. Chair and Moderator.
5. Oysters South: Oyster Aquaculture in the Southern USA. Aquaculture 2019. New Orleans, LA. March 8, 2019. Co-Chair.
6. The Importance, or Not, of Quality. 2019 Oyster South Symposium. Orange Beach, AL. February 23, 2019. Chair and Moderator.

7. What Buyers Look For and Avoid. 2018 Oyster South Symposium. Charleston, SC. February 10, 2018. Chair and Moderator.
8. Three Minute Tech Talks. 2018 Oyster South Symposium. Charleston, SC. February 9, 2018. Chair and Moderator.
9. State Updates. 2017 Oyster South Symposium. Auburn, AL. January 31, 2017. Chair.
10. Living Resources Session. 2016 Mississippi-Alabama Bays & Bayous Symposium. Mobile, AL. November 30, 2016. Chair.
11. Down on the Farm. 2015 National Shellfisheries Association. Monterey, CA. March 24, 2015. Co-Chair.
12. Down on the Farm. 2014 National Shellfisheries Association. Jacksonville, FL. March 31, 2014. Co-Chair.
13. Down on the Farm: Improving Shellfish Aquaculture Production. Aquaculture 2013. Nashville, TN. February 22, 2013. Co-Chair.
14. Down on the Farm. 2012 National Shellfisheries Association. Seattle, WA. March 28, 2012. Co-Chair.
15. Aquaculture Session. 2012 Alabama Fisheries Association. Gadsden, AL. February 10, 2012. Chair.
16. Down on the Farm. 2011 National Shellfisheries Association. Baltimore, MD. March 29, 2011. Co-Chair.
17. Improving Shellfish Aquaculture Production. Aquaculture 2010. Las Vegas, NV. March 2, 2010. Chair.
18. Down on the Farm. 2009 National Shellfisheries Association. Savannah, GA. March 25, 2009. Chair.
19. Down on the Farm. 2008 National Shellfisheries Association. Providence, RI. April 9, 2008. Chair.

Meeting Program Planning Committees (8)

1. 2022 Oyster South Symposium. Biloxi, MS. April 5-7, 2022. Program Chair.
2. 2020 Mississippi-Alabama Bays & Bayous Symposium. Virtual Meeting. December 1-3, 2020. Program Committee.
3. 2020 Oyster South Symposium. Wilmington, NC. February 21-22, 2020. Program Chair.
4. 2019 Oyster South Symposium. Orange Beach, AL. February 22-23, 2019. Program Chair.
5. 2018 Oyster South Symposium. Charleston, SC. February 21-22, 2020. Program Chair.
6. 2017 Oyster South Symposium. Auburn, AL. February 21-22, 2020. Program Chair.
7. Seafood, Science and Sustainability: People, Planet and Profit. Dauphin Island, AL. October 31, 2014. Program Chair.
8. 2012 Mississippi-Alabama Bays & Bayous Symposium. Biloxi, MS. November 14-14, 2012. Program Co-Chair.

Grantsmanship (* Undergraduate student, ** Graduate student)

External Grants Awarded (\$4,310,667 as lead PI; \$8,905,170 total)

1. National Marine Fisheries Service Saltonstall-Kennedy Program. Walton, Beth (PI), T Bliss, A Michaelis, D Petrolia, L Sturmer & **WC Walton**. Know thy oyster: Evaluating the effectiveness of seafood server training programs to increase sales of American seafood. 9/1/21-8/31/23. \$299,413.
2. United States Department of Agriculture, Agriculture Experiment Station. **WC Walton** (PI), J Stoeckel & I Butts. Genetic improvement of North American Atlantic Salmon and the Eastern oyster for aquaculture production. 7/1/20-6/30/22. \$411,822.
3. National Marine Fisheries Service Saltonstall-Kennedy Program. Smee, D (PI), B Belgrad & **WC Walton**. Creating resilient oysters (*Crassostrea virginica*) to enhance aquaculture and restoration. 9/1/20-8/31/22. \$298,984.
4. Mississippi Department of Marine Resources. **Walton, WC** (PI). Oyster aquaculture extension work. 1/15/20-12/30/20. \$72,864.
5. National Sea Grant Social, Behavioral, and Economic Research Needs in Aquaculture. **Walton, WC** (PI) & A Michaelis (co-PI). Assessment of perceptions of marine aquaculture by the US food service industry. 9/1/19-8/31/21. \$165,698.
6. Mississippi-Alabama Sea Grant Consortium. Smee, D (PI), B Belgrad & **WC Walton**. Scared strong: Development of a new hatchery technique to enhance oyster aquaculture and restoration by inducing oysters to grow stronger shells. 9/1/19-8/31/21. \$148,749.
7. National Sea Grant Advanced Aquaculture Collaborative Programs. Rowe, P. et al. Atlantic and Gulf Shellfish Seed Biosecurity Collaborative. 9/1/19-8/31/22. \$1,172,731.
8. Gulf States Marine Fisheries Commission Oyster Aquaculture Competition. Saillant, E et al. (PI). Gulf of Mexico Oyster Genetics and Breeding Research Consortium: SALT (Selection of Aquaculture Lines with improved Traits) Project. 6/1/19-5/31/20. \$834,733. [First year of projected five-year study, renewed annually]
9. Gulf States Marine Fisheries Commission Aquaculture Competition. **Walton, WC** (PI) & S Watts (co-PI). Two birds with one stone? Assessment of Sea Urchin Culture as a Second Crop for Oyster Farmers. 7/1/19-6/30/20. \$95,652.
10. Mississippi Department of Marine Resources. **Walton, WC** (PI). Oyster aquaculture extension work. 1/15/19-11/30/19. \$71,533.
11. Interstate Shellfish Sanitation Commission Techniques and Practices for Vibrio Reduction and Techniques and Tools for Toxin Management. **Walton, WC** (PI) & Prunte**, V (co-PI). Assessing geographic variation on re-submergence time to reduce the vibrio risk associated with routine oyster aquaculture handling. 10/1/2018-9/30/2019. \$69,652.
12. National Sea Grant Aquaculture Research. LaPeyre, J (PI), Tiersch, T (co-PI), Callam**, B (co-PI) & **Walton, WC** (co-PI). Decreasing mortalities of triploid eastern oysters in commercial grow-out in Gulf of Mexico estuaries. 9/1/2018-8/31/2020. \$484,371.
13. University of Southern Mississippi. **Walton, WC** (PI). Oyster aquaculture extension work. 8/31/18-8/30/19. \$70,060.
14. University of Southern Mississippi. **Walton, WC** (PI). Oyster aquaculture extension work. 4/1/18-8/30/18. \$40,559.
15. USDA National Institute of Food & Agriculture. **Walton, WC** (PI), Prunte**, V. (co-PI) & Jones, J (co-PI). Test of the effects of geography, gear type, and culture technique on Vibrio risks associated with farm raised oysters. 4/1/2018-3/31/2021. \$456,646.
16. Gulf States Marine Fisheries Commission Oyster Aquaculture Competition. **Walton, WC** (PI). Testing causes of triploid oyster summer mortality. 3/1/18-2/28/19. \$55,488.

17. Mississippi-Alabama Sea Grant Consortium. **Walton, WC** (PI), Grice, R (co-PI), Stewart, J (co-PI) & Parker, M (co-PI). Improving the (off) bottom line: identifying means to increase profits for commercial off-bottom oyster farmers. 2/1/18-1/31/20. \$129,850.
18. National Sea Grant. **Walton, WC** (PI). Enhancing Peer-to-Peer Learning Opportunities for Southern Oyster Farmers. 9/1/17-8/31/19. \$100,099.
19. University of Southern Mississippi. **Walton, WC** (PI). Oyster aquaculture extension work. 4/1/17-3/31/18. \$95,799.
20. USDA Southeast Regional Aquaculture Center. Davis, J (PI), Bliss, T (co-PI), Bringolf (co-PI), Sturmer, L (co-PI), Supan, JE (co-PI), **Walton, WC** (co-PI), Weirich, C (co-PI) & Savoie, R (co-PI). Techniques to Improve Production of Off-bottom Cultured Oysters. 2/1/17-1/31/19. \$250,000.
21. NOAA RESTORE Act Science Program. Petrolia, D (PI), Harri, A (co-PI), **Walton, WC** (co-PI), Cebrian, J (co-PI), Rider, J (co-PI) & Ramseur, G (co-PI). SPAT: Shellfish Portfolio Assessment Tool. 1/1/2017-5/31/20. \$590,143.
22. Gulf States Marine Fisheries Commission Oyster Aquaculture Competition. **Walton, WC** (PI) and FS Rikard (co-PI). Increasing oyster production in the Gulf of Mexico: Adopting high-density larval culture at the Auburn University Shellfish Lab. 1/1/17-12/31/17. \$73,575.
23. Alabama Department of Conservation and Natural Resources Marine Resources Division. **Walton, WC** (PI) and FS Rikard (co-PI). Restoration and enhancement of oyster reefs in Alabama: Remote setting of oysters. 2 yrs. 4/1/16-3/31/18. \$171,475.
24. Environmental Protection Agency Gulf of Mexico Programs Cooperative Agreements. Stewart, J (PI) & **WC Walton** (co-PI). Half-Shell High School: Development of a sustainable seafood community workforce using off-bottom oyster farming. 3/1/16-2/28/18. \$260,440.
25. National Sea Grant. **Walton, WC** (PI). Sea Grant symposium for OysterSouth: A submission to the 2016 aquaculture Sea Grant conferences and workshops competition. 8/1/16-7/31/17. \$19,598.
26. University of Southern Mississippi. **Walton, WC** (PI). Oyster aquaculture extension work. 4/1/16-3/31/17. \$92,000.
27. Mississippi-Alabama Sea Grant Consortium. Dorgan, KM (PI) and **WC Walton** (co-PI). Maximizing the return on investment of oyster aquaculture by managing mud blister worm infestation. 2/1/16-3/1/18. \$149,540.
28. US Fish & Wildlife Service. **Walton, WC** (PI), J Carter (co-PI), O Otieno (co-PI) & D Armstrong (co-PI). Development of targeted control strategies for the maculata apple snail in Mobile Bay, Alabama. 6/1/15-8/31/16. \$27,798.
29. Mississippi-Alabama Sea Grant Consortium. **Walton, WC** (PI), CR Arias (co-PI) & JL Jones (co-PI). Effects of aquaculture practices on *Vibrio* spp. in the Eastern oyster, *Crassostrea virginica*: Test of fouling control practices. 2/1/14-3/1/16. \$150,000.
30. Coastal Impact Assessment Program Funds, Alabama Department of Conservation and Natural Resources State Lands Division. **Walton, WC** (PI), FS Rikard (co-PI) & DL Swann (co-PI). Investigation of the effect of “Katrina-cut” on oyster populations in Mississippi Sound, Alabama. 7/1/12-9/30/15. \$295,839.
31. NOAA National Sea Grant Aquaculture Research Program. **Walton, WC** (PI), JE Supan (co-PI), R Rheault (co-PI), K Wellman (co-PI), S Showalter Otts (co-PI), N Pace (co-PI), J Wilkins (co-PI) & M Daigle (co-PI). Economic value of ecosystem services of oyster farming as offsets to regulatory fees. 9/1/12-8/31/14. \$386,475.
32. USDA Southeast Regional Aquaculture Center. **Walton, WC** (PI). SRAC – Oyster Farming Bulletin. 5/1/12-4/30/13. \$1,862.

33. Mississippi-Alabama Sea Grant Consortium. Petrolia, D (PI) & **WC Walton** (co-PI). National survey of consumer preferences for branded Gulf oysters and risk perceptions of Gulf seafood. 2/1/12-1/31/14. \$223,401.
34. Interstate Shellfish Sanitation Commission. **Walton, WC** (PI) & C Nelson (co-PI). Validation of relay of oysters to inshore high-salinity sites as a method of eliminating *Vibrio vulnificus*. 7/1/11-6/30/12. \$2,630.
35. Gulf of Mexico Research Initiative, Year One Block Grant, The Northern Gulf Institute. Valentine, J (PI) et al. Impacts of the Deep Horizon accident on food web structures in the north central Gulf of Mexico. 1/1/11-12/31/11. \$20,700 sub-contract to Auburn University.
36. National Fish & Wildlife Foundation. **Walton, WC** (PI) & PJ Waters (PI). Establishment of an Oyster Reserve in Mississippi Sound (AL). 1/1/11-12/31/13. \$53,068.
37. NOAA National Sea Grant Aquaculture Research Program. Arias, CR (PI), M Dougherty (co-PI), FS Rikard (co-PI) & **WC Walton** (co-PI). Evaluation of a high salinity depuration system to eliminate the human pathogen *Vibrio vulnificus* from Gulf Coast oysters. 11/1/10-10/31/12. \$122,275.
38. NOAA National Sea Grant Aquaculture Research Program. LaPeyre, J (PI), JE Supan (co-PI) & **WC Walton** (co-PI). Evaluation of oyster stocks and grow-out methodologies for commercial production of Eastern oysters in Gulf of Mexico estuaries. 11/1/10-10/31/12. \$297,769.
39. NOAA National Sea Grant Aquaculture Extension Program. **Walton, WC** (PI) & JE Supan (co-PI). Farming the Fertile Crescent: Intensification of oyster aquaculture in the northern Gulf of Mexico. 10/1/10-9/30/13. \$399,779.
40. National Estuarine Research Reserve System Science Collaborative. Carmichael, RH (PI), W Burkhardt III (co-PI), K Calci (co-PI), W Wu (co-PI), D Ruple (co-PI) & **WC Walton** (co-PI and Integration Lead). Legacy effects of land-use change and nitrogen source shifts on a benchmark system: Building capacity for collaborative research leadership. 9/1/10-8/31/13. \$354,750.
41. US Fish & Wildlife Service, Alabama Coastal Office. **Walton, WC** (PI) & FS Rikard (co-PI). Use of hatchery reared oysters for shoreline protection. 8/1/10-9/30/11. \$39,913.
42. Mississippi-Alabama Sea Grant Consortium. **Walton, WC** (PI) & DL Swann (PI). Gulf of Mexico hazard response and adaptation planning (Alabama). 8/1/10-7/31/11. \$113,781.
43. National Institute of Food & Agriculture. Fletcher, BH (PI) et al. Gulf Coast Extension Service oil spill recovery project. 7/1/10-7/1/11. \$45,000 sub-award to Auburn University.
44. Mississippi-Alabama Sea Grant Consortium. **Walton, WC** (PI) FS Rikard (co-PI) & T Hanson (co-PI). Oyster farming in Alabama: Identifying most viable practices. 2/1/10-1/31/12. \$99,478.
45. USDA CSREES Northeastern Regional Aquaculture Center. Getchis, TL (PI), D Alves (co-PI), R. Barnaby (co-PI), C Bartlett (co-PI), W Burt (co-PI), J Buttner (co-PI), J Ewart (co-PI), A Faulds (co-PI), G Flimlin (co-PI), D Hicks (co-PI), C Hollingsworth (co-PI), J Homziak, (co-PI), K La Valley (co-PI), A Lazur (co-PI), D Leavitt (co-PI), D McIntosh (co-PI), D Morse (co-PI), D Murphy (co-PI), M Pietrak (co-PI), R Pomeroy (co-PI), MA Rice (co-PI), TE Rippen (co-PI), G Rivara (co-PI), K Semmens (co-PI), J Takacs (co-PI), D Terlizzi (co-PI), M Timmons (co-PI), **WC Walton** (co-PI), D Webster (co-PI) & B Wilbur (co-PI). Northeast Aquaculture Extension Network. 9/1/2008-8/31/2010. \$299,994.
46. Massachusetts Department of Agricultural Resources. **Walton, WC** (PI), DC Murphy (co-PI) & W Burt (co-PI). Development of an improved oyster for Massachusetts shellfish farmers: Field test of seedless oysters. 3/1/08-5/1/10. \$48,000.

47. Massachusetts Department of Agricultural Resources. **Walton, WC** (PI), J Buttner (co-PI), R Karney (co-PI) & S Mullin. Massachusetts shellfish aquaculture innovation consortium. 8/1/07-4/1/09. \$200,000.
48. USDA Northeastern Regional Aquaculture Center. Rawson, P (PI), S Lindell (co-PI), X Guo (co-PI), R Smolowitz (co-PI), S Roberts (co-PI), I Sunila (co-PI), RC Karney (co-PI), D Leavitt (co-PI), **WC Walton** (co-PI), TL Getchis (co-PI), D Morse (co-PI) & C. Davis. Cross-breeding and field trials of disease-resistant Eastern oysters, *Crassostrea virginica*. 9/1/06-8/31/08. \$249,431.
49. USDA CSREES Northeastern Regional Aquaculture Center. Getchis, TL (PI), D Webster (co-PI), J Ewart (co-PI), GE Flimlin (co-PI), B Wilbur (co-PI), **WC Walton** (co-PI), M Timmons (co-PI), D Terlizzi (co-PI), J Takacs (co-PI), K Semmens (co-PI), G Rivara (co-PI), T Rippen (co-PI), M Rice (co-PI), R Pomeroy (co-PI), D Morse (co-PI), D McIntosh (co-PI), D Leavitt (co-PI), A Lazur (co-PI), D Hicks (co-PI), A Faulds (co-PI), J Buttner (co-PI) & R Barnaby (co-PI). Northeast Aquaculture Extension Network. 9/1/2006-8/31/2008. \$102,682.
50. Smithsonian Institution Pre-Doctoral Fellowship. **Walton, WC**. Mitigation of the effects of a nonindigenous pest: the green crab's effect on the recovery of the hard clam fishery on Martha's Vineyard, MA (USA). 1999-2000.
51. University of Maryland Horn Point Laboratory Student Research & Travel Funds. **Walton, WC**. 1996-1998.
52. National Science Foundation Dissertation Enhancement, International Programs. **Walton, WC**. Turning the question upside down: effects of the green crab upon the Tasmanian scallop fishery. 1996. \$12,500
53. Hudson River Foundation Tibor T. Polgar Summer Fellowship. **Walton, WC**. Invasion of the Hudson River Estuary by the zebra mussel, *Dreissena polymorpha*. 1992.

Internal Grants Awarded (\$149,900)

1. United States Department of Agriculture, Alabama Agriculture Experiment Station, Auburn University Hatch/Multistate Research Program. **Walton, WC** (PI). Improving oyster quality with off-bottom oyster farming. 2014-2016. \$50,000.
2. Auburn University College of Agriculture Dean's Award for Study Abroad Development. **Walton, WC** (PI) & JA Stoeckel (PI). Development of Maymester Course "Warmwater and Coldwater Bivalve Aquaculture. Summer 2013.
3. United States Department of Agriculture, Alabama Agriculture Experiment Station, Auburn University Hatch/Multistate Research Program. **Walton, WC** (PI), E Peatman (co-PI), DL Swann (co-PI) & Y Wang (co-PI). A breeding program to improve oyster quality. 2012-2014. \$50,000.
4. United States Department of Agriculture, Alabama Agriculture Experiment Station, Auburn University Hatch/Multistate Research Program, Young Investigator Award. **Walton, WC** (PI). Improving oyster quality with off-bottom oyster farming. 2010-2012. \$49,900.

Advisory, Extension and Outreach Work

Digital Products (24)

1. **Walton, WC.** 2021. Planting your first crop. 25:22 video. Online class in Online Oyster Culture Course. Produced by University of Florida/IFAS Extension. <https://oyster-culture.teachable.com/courses>
2. **Walton, WC.** 2021. Oyster farming gear selection and installation. 26:51 video. Online class in Online Oyster Culture Course. Produced by University of Florida/IFAS Extension. <https://oyster-culture.teachable.com/courses>
3. **Walton, WC.** 11/11/2020. Introduction to shucking and grilling oysters. 13:59 video. Produced by Mississippi-Alabama Sea Grant Consortium & Mobile Bay National Estuary Program. <https://youtu.be/3HIIKz-fWU4>
4. Grice, R, R Tufts & **WC Walton.** 2020. Enterprise budgets for oyster farmers. Alabama Cooperative Extension System. <https://www.aces.edu/blog/topics/coastal-programs/enterprise-budget-for-oyster-farms/>
5. **Oyster Farming in the Southern United States Using the OysterGro System.** 1/11/20. 10:25 video, produced by South Carolina Sea Grant Consortium (co-author). <https://youtu.be/S0OpUeovaLQ>
6. **Oyster Farming in South.** 1/9/20. 5:22 video, produced by South Carolina Sea Grant Consortium (co-author). <https://youtu.be/Wr-Z9pebNuk>
7. **Oyster Farming Toolkit Stock Assessment Calculator.** 7/25/19. 2:47 video, produced by Alabama Cooperative Extension System. <https://youtu.be/4jd0w9SepVw>
8. **Weighing Method to Estimate Number of Oyster Seed.** 8/14/19. 12:59 video, produced by Alabama Cooperative Extension System. <https://youtu.be/AvPSsvZ5tRE>
9. **Oyster Farming Toolkit Stocking Density Calculator.** 7/25/19. 1:58 video, produced by Alabama Cooperative Extension System. <https://youtu.be/A6LojBgv9Q>
10. **Oyster Farming Toolkit Seed Delivery Calculator.** 7/25/19. 4:21 video, produced by Alabama Cooperative Extension System. <https://youtu.be/thtVgSOct0w>
11. **Introduction to Oyster Farming Toolkit.** 7/25/19. 1:03 video, produced by Alabama Cooperative Extension System. <https://youtu.be/QwTPicS45M0>
12. **Oyster Farming Toolkit.** Smartphone app to assist commercial oyster farmers with common tasks. 12/18/18. Developed with Rusty Grice and Alabama Cooperative Extension System.
13. **Count Your Seed While You're Sitting at the Table: An Online Workshop for Oyster Farmers.** 9/20/18. 38:36 Facebook Live video with Scott Rikard. <https://www.facebook.com/AUShellfishLab/videos/510958622715566/>
14. **Branding opportunities for oyster farmers.** 10/12/16 1 hour 6 minute video webinar, produced by National Aquaculture Alliance. <http://www.ncrac.org/video/branding-opportunities-oyster-farmers>
15. **The gospel of the Alabama oyster.** 5/15/15 8:32 video, produced by Southern Foodways Alliance. <https://vimeo.com/131098257>
16. **How to grow 3 million oysters.** 1/29/15. 2:49 video, produced by Backforty Beer Co. <http://youtu.be/sO8w4rCkaUE>
17. **For the love of oysters: Alabama's oyster farmers.** 12/19/14. 10:12 video, produced by Backforty Beer Co. http://youtu.be/ewIUJ6rne_Y
18. **Oyster farming grows market (Part 1).** 4/4/13. 2:22 video, produced with Mississippi-Alabama Sea Grant Consortium & Gary Finch Outdoors, and aired on Gary Finch Outdoors. <http://www.youtube.com/watch?v=MXyGad22cx8>.

19. **Oyster farming grows market (Part 2)**. 4/5/13. 2:16 video, produced with Mississippi-Alabama Sea Grant Consortium & Gary Finch Outdoors, and aired on Gary Finch Outdoors. <http://www.youtube.com/watch?v=Wrs1ujcl9ao>.
20. **Oyster Sentinel website**. Walton, WC (contributor). 2010-Present. Report data for all Alabama sites and Apalachicola, FL sites, twice per year. <http://www.oystersentinel.org/>.
21. **Auburn University Shellfish Laboratory Facebook page**. Walton, WC (lead administrator) & FS Rikard (co-administrator). 2009-Present. 1,150+ fans. <https://www.facebook.com/AUShellfishLab>
22. **Shellfish Aquaculture: Tools, Tips and Techniques (DVD)**. Walton, WC. 2005. Woods Hole Sea Grant, Woods Hole, MA. ~2 hours running time.

Extension and Advisory Publications (44)

1. **Walton, WC** & B Wasden. 2021. Oyster Compass. National Sea Grant.
2. **Walton, WC**, L Sturmer, B Callam, E Lovestrang, Natalie Simon & R Grice. 2020. Tropical Storm and Hurricane Preparedness for Off-bottom Oyster Aquaculture in the Gulf of Mexico: Floating Bags Farms Guide. 4 pp. Gulf of Mexico Regional Sea Grant GOMSG-H-20-006.
3. **Walton, WC**, L Sturmer, E Lovestrang, B Callam, Natalie Simon & R Grice. 2020. Tropical Storm and Hurricane Preparedness for Off-bottom Oyster Aquaculture in the Gulf of Mexico: Floating Cage Farms Guide. 4 pp. Gulf of Mexico Regional Sea Grant GOMSG-H-20-005.
4. **Walton, WC**, L Sturmer, E Lovestrang, R Grice, Natalie Simon & Brian Callam. 2020. Tropical Storm and Hurricane Preparedness for Off-bottom Oyster Aquaculture in the Gulf of Mexico: Adjustable Long-Line Farms Guide. 4 pp. Gulf of Mexico Regional Sea Grant GOMSG-H-20-004.
5. Grice, R, L Sturmer, **WC Walton**, E Lovestrang, N Simon & B Callam. 2020. Tropical Storm and Hurricane Preparedness for Off-bottom Oyster Aquaculture in the Gulf of Mexico: Workboats Guide. 4 pp. Gulf of Mexico Regional Sea Grant GOMSG-H-20-003.
6. Callam, B, R Grice, L Sturmer, **WC Walton**, E Lovestrang & N Simon. 2020. Tropical Storm and Hurricane Preparedness for Off-bottom Oyster Aquaculture in the Gulf of Mexico: Land-Based Operations Guide. 4 pp. Gulf of Mexico Regional Sea Grant GOMSG-H-20-002.
7. Sturmer, L, **WC Walton**, E Lovestrang, N Simon, R Grice & B Callam. 2020. Tropical Storm and Hurricane Preparedness for Off-bottom Oyster Aquaculture in the Gulf of Mexico: Introductory Planning Guide. 6 pp. Gulf of Mexico Regional Sea Grant GOMSG-H-20-001.
8. **Walton, WC**. 2015- Present. On the lid: news for Alabama and Mississippi oyster farmers. December 3, 2015 - Present. Monthly electronic newsletter (**61** regular issues). <http://us11.campaign-archive1.com/?u=f8dd8647742f7d0bc73b45db2&id=666fab091c>
9. **Walton, WC**. 2017 - Present. Oyster South industry newsletter. March 22, 2017 - Present. Quarterly electronic newsletter (**13** issues).
10. Grice, R & **WC Walton**. 2020. Alabama Shellfish Aquaculture Situation & Outlook Report. Production Year 2019. Alabama Cooperative Extension System. 4 pp. ANR 2674.
11. **Walton, WC**, PJ Waters & R Grice. 2020. Growing oysters under piers for personal consumption. Alabama Cooperative Extension System. 2 pp. ANR 2633. <https://www.aces.edu/blog/topics/coastal-programs/growing-oysters-under-piers-for-personal-consumption/>
12. Sempier, S, M Partyka, M Schneider, K Alexander, P Hinesley, DL Swann, D.L & **WC Walton**. 2019. FAQ: Harmful algal blooms that cause red tide. 2 pp. MASGP-19-079.
13. Sempier, S, M Partyka, M Schneider, K Alexander, R Grice, P Hinesley, DL Swann, D.L & **WC Walton**. 2019. FAQ: Blue-green algal blooms in coastal waters. 2 pp. MASGP-19-078.

14. Grice, R & **WC Walton**. 2019. Auburn University Shellfish Lab's Shellfish Seed Suppliers for the Gulf of Mexico – 2019. Alabama Cooperative Extension System. 2 pp. ANR 2584.
15. Grice, R & **WC Walton**. 2019. Alabama Shellfish Aquaculture Situation & Outlook Report. Production Year 2018. Alabama Cooperative Extension System. 12 pp. ANR 2467.
16. **Walton, WC**, G Freeman & B Dupree. 2019. Oyster farming: Applied research. ANR 2527. [retractable banner]
17. **Walton, WC**, G Freeman & B Dupree. 2019. Oyster farming: Practical training and advice. ANR 2524. [retractable banner]
18. **Walton, WC**, G Freeman & B Dupree. 2019. Oyster farming: Education and outreach. ANR 2523. [retractable banner]
19. Grice, R, R Tufts & **WC Walton**. 2018. Off-bottom oyster farming floating cage farm enterprise budget. <http://www.aces.edu/agriculture/business-management/budgets/>
20. Grice, R & **WC Walton**. 2017. Alabama Shellfish Aquaculture Situation & Outlook Report. Production Year 2016. Auburn University Marine Extension & Research Center. 16 pp.
21. Sink, T, B Silvy & **WC Walton**. 2015. Consumer Information Series: Eastern Oysters. Southern Regional Aquaculture Center. SRAC Publication #7305. 2 pp.
22. **Walton, WC**, E Brantley, & R Wright. 2013. Alabama Aquatic Nuisance Species Series: Amazonian Apple Snail. Alabama Cooperative Extension ANR-2130. 4 pp.
23. **Walton, WC** & C Newton. 2013. Alabama Aquatic Nuisance Species Series: Venomous Lionfish. Alabama Cooperative Extension System ANR-2079. 2 pp.
24. **Walton, WC** & FS Rikard. 2013. Template for Alabama Department of Public Health oyster farm operational plan. Alabama Cooperative Extension Timely Information. 4 pp.
25. **Walton, WC**, JE Davis & JE Supan. 2013. Off-Bottom Culture of Oysters in the Gulf of Mexico. Southern Regional Aquaculture Center. SRAC Publication #4308. 6 pp.
26. McGrew, A, PJ Waters Jr. & **WC Walton**. Originally prepared by BE Perkins. 2013. Preparation & preservation of Alabama seafood. Alabama Cooperative Extension System ANR-0921. 20 pp.
27. **Walton, WC**, E Brantley, & R Wright. 2013. Alabama Aquatic Nuisance Species Series: Amazonian Apple Snail. Alabama Cooperative Extension Timely Information. 4 pp.
28. Rikard, FS & **WC Walton**. 2012. Use of Microalge Concentrates for Rearing Oyster Larvae, *Crassostrea virginica*. Mississippi-Alabama Sea Grant Consortium Publication #12-048. 2 pp.
29. **Walton, B**, JE Davis**, G Chaplin, FS Rikard, DL Swann & T Hanson. 2012. Gulf Coast Off-Bottom Oyster Farming Gear Types: Floating Bags. Mississippi-Alabama Sea Grant Consortium Publication #12-013-04. 2 pp.
30. Davis**, JE, **B Walton**, G Chaplin, FS Rikard, DL Swann & T Hanson. 2012. Gulf Coast Off-Bottom Oyster Farming Gear Types: Floating Cage System. Mississippi-Alabama Sea Grant Consortium Publication #12-013-03. 2 pp.
31. **Walton, B**, JE Davis**, G Chaplin, FS Rikard, DL Swann & T Hanson. 2012. Gulf Coast Off-Bottom Oyster Farming Gear Types: Bottom Cages. Mississippi-Alabama Sea Grant Consortium Publication #12-013-02. 2 pp.
32. Davis**, JE, **B Walton**, G Chaplin, FS Rikard, DL Swann & T Hanson. 2012. Gulf Coast Off-Bottom Oyster Farming Gear Types: Adjustable Long-line System. Mississippi-Alabama Sea Grant Consortium Publication #12-013-01. 2 pp.
33. **Walton, WC**, JE Davis**, GI Chaplin, FS Rikard, TR Hanson, PJ Waters & DL Swann. 2012. Off-bottom oyster farming. Alabama Cooperative Extension Timely Information/Mississippi-Alabama Sea Grant Consortium Publication #12-024. 8 pp.
34. Brantley, E, **WC Walton** & R Wright. 2011. Aquatic Nuisance Species. Alabama Cooperative Extension Timely Information. 2 pp.

35. **Walton, WC**, J Portnoy & D Murphy. 2008. Introduction to Tidal Flow Restoration. Woods Hole Sea Grant, Woods Hole, MA. 4 pp.
36. **Walton, WC** & D Murphy. 2008. Restoring Oysters through Remote Set. Woods Hole Sea Grant, Woods Hole, MA. 4 pp.
37. **Walton, WC** & D Murphy. 2008. Managing Quahog Parasite Unknown (QPX) Disease. Woods Hole Sea Grant, Woods Hole, MA. 4 pp.
38. **Walton, WC** & S Roberts. 2008. Surviving Dermo: Progress towards Growing a More Resistant Oyster. Northeastern Regional Aquaculture Center, 2 pp.
39. Buttner, JK, W Burt, **WC Walton**, B Wilbur, C Hollingsworth & D Murphy. 2007. Aquaculture Situation and Outlook Report: Massachusetts, Predators of Concern to New England Shellfish Growers. Northeastern Regional Aquaculture Center, 8 pp.
40. **Walton, WC**. 2005. Predators of Concern to New England Shellfish Growers. Woods Hole Sea Grant, Woods Hole, MA. 2 pp.
41. **Walton, WC**. 2005. Pests of Concern to New England Shellfish Growers. Woods Hole Sea Grant, Woods Hole, MA. 2 pp.
42. **Walton, WC**. 2005. Diseases of Concern to New England Shellfish Growers. Woods Hole Sea Grant, Woods Hole, MA. 2 pp.
43. **Walton, WC** & J Gallons. 2004. Marine Extension Bulletin: Important Changes to the Federal Crop Insurance Program for Quahog Farmers. Woods Hole Sea Grant, Woods Hole, MA. 4 pp.
44. **Walton, WC** & S Showalter. 2004. Marine Extension Bulletin: Some Liability Issues for Massachusetts Shellfish Farmers. Woods Hole Sea Grant, Woods Hole, MA. 4 pp.

Contributed Columns (21)

1. **Walton, WC** & B Wasden. 2021. Program helps servers, shuckers learn unique characteristics of oyster varieties. Mississippi-Alabama Sea Grant Consortium Staff Blog. April 19, 2021. <http://masgc.org/news/article/program-helps-servers-shuckers-learn-unique-characteristics-of-oyster-varieties>
2. **Walton, WC**. 2020. The Auburn University coastal shellfish lab helps producers. Alabama Fish Farming Center Fish Farming News 2020(2): 11-12.
3. Walton, WC. 2020. Trying to stay afloat. Mississippi-Alabama Sea Grant Consortium Staff Blog. March 28, 2020. <http://masgc.org/news/article/trying-to-stay-afloat>
4. **Walton, WC** and R Grice. 2020. Off-bottom oyster aquaculture – an emerging industry along the Gulf Coast. Alabama Current Connection Spring 2020. Volume XIV, Issue 1. Pg. 10.
5. **Walton, WC**. 2019. Trying to improve the bottom line for off-bottom oyster farmers. Mississippi-Alabama Sea Grant Consortium Staff Blog. September 18, 2019.
6. **Walton, WC**. 2019. There's an app for that? Mississippi-Alabama Sea Grant Consortium Staff Blog. March 17, 2019.
7. Petrolia, DR & **WC Walton**. 2018. Hurricanes and water wars threaten the Gulf Coast's new high-end oyster industry. The Conversation. November 6, 2018. <https://theconversation.com/hurricanes-and-water-wars-threaten-the-gulf-coasts-new-high-end-oyster-industry-105479>
8. **Walton, WC**. 2018. The future of oyster growing in Mississippi. National Shellfisheries Quarterly Newsletter 2018 (3). September 2018.
9. **Walton, WC**. 2018. Oyster farming students learn ropes in Mississippi. Mississippi-Alabama Sea Grant Consortium Staff Blog. July 19, 2018. <http://masgc.org/news/article/oyster-farming-students-learn-ropes-in-Mississippi>

10. **Walton, WC.** 2018. Registration deadline nears for Alabama oyster farming course. Mississippi-Alabama Sea Grant Consortium Staff Blog. April 12, 2018. <http://masgc.org/news/article/registration-deadline-nears-for-alabama-oyster-farming-course>
11. **Walton, WC.** 2018. Program helps oyster farmers learn from each other. Mississippi-Alabama Sea Grant Consortium Staff Blog. January 24, 2018. <http://masgc.org/news/article/Program-helps-oyster-farmers-learn-from-each-other>
12. **Walton, WC.** 2017. Lessons from Hurricane Nate for oyster farmers. Mississippi-Alabama Sea Grant Consortium Staff Blog. November 9, 2017. <http://masgc.org/news/article/lessons-from-hurricane-nate-for-oyster-farmers>
13. **Walton, WC.** 2017. Third oyster farming class is teaching ins, outs of aquaculture business. Mississippi-Alabama Sea Grant Consortium Staff Blog. June 28, 2017. <http://masgc.org/news/article/third-oyster-farming-class-is-teaching-ins-outs-of-aquaculture-bu>
14. **Walton, WC.** 2016. Working with oyster farmers. Mississippi-Alabama Sea Grant Consortium Staff Blog. November 10, 2016. <http://masgc.org/news/article/working-with-oyster-farmers>
15. Langcuster, J & **WC Walton.** 2014. An off-bottom inspiration on the Gulf. ASAN Update, The Alabama Sustainable Agriculture Network. Spring 2014. Pgs. 1, 8, 9.
16. **Walton, WC.** 2012. Oyster farming creating jobs and aiding coastal economy. Auburn Football Program. September 22, 2012. 188.
17. **Walton, WC & DC Murphy.** 2010. Performance of triploid oysters on commercial shellfish farms. East Coast Shellfish Growers Association Newsletter. May 2010. Pg. 5.
18. **Walton, WC.** 2010. What will the Deepwater Horizon oil spill mean to fisheries? Mobile Press-Register Sea Grant column. May 17, 2010.
19. **Walton, WC.** 2010. Understanding oyster closures. Mobile Press-Register Sea Grant column. April 12, 2010.
20. **Walton, WC.** 2010. Knowing where your seafood is from. Mobile Press-Register Sea Grant column. March 15, 2010.
21. **Walton, WC & S Shields*.** 2010. Seagrass in Alabama. Mobile Press-Register Sea Grant column. March 15, 2010.

Training Programs, Workshops & Symposia Organized (71)

1. **Wakulla Environmental Institute, Oyster Ranching Class Guest Presentation.** November 14, 2021. Raising and counting seed and considerations for triploids. 6 participants. [virtual]
2. **Chesapeake Bay Program's Oyster Research Consortium.** June 3, 2021. Aquaculture discussion group. 14 participants [virtual]
3. **Oyster Farming Fundamentals, Class Six.** Biloxi, MS. March 23, 2021. Best management practices. 24 participants
4. **Oyster Essentials.** February 26, 2021. Training program for food servers at Sidecar Patio & Oyster Bar, New Orleans, Louisiana. 16 participants.
5. **Wakulla Environmental Institute, Oyster Ranching Class Guest Presentation.** November 16, 2020. Raising and counting seed and considerations for triploids. 19 participants. [virtual]
6. **Spat Collection Demonstration.** Biloxi, MS. October 1, 2020. Demonstration of basic oyster spat collection techniques. 24 participants.
7. **Oyster Farming Fundamentals, Class Six.** Biloxi, MS. June 27, 2020. What you need to know before you get started. 23 participants

8. **Trying to Explain Unexplained Cultured Oyster Mortalities in the Gulf of Mexico.** May 27, 2020. Virtual workshop and moderated panel about oyster mortalities, work being done and work proposed. 103 attendees (Program co-chair).
9. **2020 Oyster South Industry Symposium.** Wilmington, NC, February 21-22, 2020. Industry-focused symposium for those interested in commercial oyster farming from North Carolina around to Texas. 290 attendees (Program chair).
10. **Oyster Mortality on Oyster Farms Workshop.** January 23, 2020. Discussion of patterns of mortality on oyster farms and possible causes. Crawfordville, FL. 24 participants (co-organizer).
11. **Wakulla Environmental Institute, Oyster Ranching Class Guest Presentation.** December 16, 2019. Off-bottom oyster aquaculture: tips, suggestions and warnings. 23 participants.
12. **Shellfish Portfolio Assessment Tool.** Biloxi, MS. November 13, 2019. Evaluation of tool utility with stakeholders. 7 participants.
13. **Nursery Options for Private Oyster Seed Production.** Ocean Springs, MS. October 30, 2019. Overview of seed purchasing and nursery options. 27 participants.
14. **Oyster Farming Fundamentals, Class Five.** Biloxi, MS. August 3, 2019. Receiving and counting seed. 18 participants.
15. **Know Thy Oysters.** July 24, 2019. Training program for food servers at Automatic Seafood & Oysters, Birmingham, Alabama. 36 participants.
16. **Know Thy Oysters.** July 24, 2019. Training program for food servers at Five Points, Birmingham, Alabama. 34 participants.
17. **Preparing for Harmful Algal Blooms.** 2019. Planning committee and co-organizer. Led seafood session. Mobile, AL, June 13, 2019.
18. **Fins, Fishes, and Fisheries Workshop.** Dauphin Island, June 11, 2019. Led session on oysters and shellfish aquaculture. 19 participants.
19. **Oyster Farming Fundamentals, Class Five.** Ocean Springs, MS, May 11, 2019. Making the most of your oyster farm. 18 participants.
20. **Oyster Farming Fundamentals, Class Five.** Ocean Springs, MS, April 27, 2019. What you need to know to operate an oyster farm. 22 participants.
21. **Oyster Farming Fundamentals, Class Five.** Ocean Springs, MS, April 13, 2019. What you need to know to operate an oyster farm. 22 participants.
22. **Oyster Farming Fundamentals, Class Five.** Ocean Springs, MS, March 30, 2019. What you need to know to start oyster farming. 31 participants.
23. **Oyster Farming Fundamentals, Class Five.** Ocean Springs, MS, March 16, 2019. What you need to know before you get started. 29 participants.
24. **2019 Oyster South Symposium.** Orange Beach, AL, February 22-23, 2019. Chaired program and helped organize regional industry-focused symposium. 239 participants.
25. **Oyster Farming Fundamentals, Class Four.** Biloxi, MS, February 6, 2019. Harvest and marketing. 22 participants.
26. **Wakulla Environmental Institute, Oyster Ranching Class Guest Presentation.** December 10, 2018. Off-bottom oyster farming methods in Alabama and Mississippi. 24 participants.
27. **Landlocked Workshop for Oyster Aquaculture.** October 22, 2018. Workshop for industry, regulators and Extension in Decatur, Georgia. [co-led with Tom Bliss] 26 participants.
28. **Understanding Vibrio So You Can Manage Risk.** September 26, 2018. Workshop for commercial oyster farmers at Bayou la Batre Community Center, Bayou la Batre, Alabama. [co-led with V. Pruen] 8 participants.
29. **Know Thy Oysters.** August 23, 2018. Training program for food servers at Henrietta Red, Nashville, Tennessee. 38 participants.

30. **Oyster Farming Fundamentals, Class Four.** Biloxi, MS, August 4, 2018. Making the most of your oyster farm. 15 participants.
31. **Oyster Farming Fundamentals, Class Four.** Biloxi, MS, July 21, 2018. What you need to know to operate an oyster farm. 20 participants.
32. **Oyster Farming Fundamentals, Class Four.** Biloxi, MS, July 7, 2018. What you need to know to operate an oyster farm I. 20 participants.
33. **Oyster Farming Fundamentals, Class Four.** Biloxi, MS, June 23, 2018. What you need to know to start oyster farming. 22 participants.
34. **Know Thy Oysters.** June 14, 2018. Training program for food servers at Highlands Bar & Grill, Birmingham, Alabama. 24 participants.
35. **Oyster Farming Fundamentals, Class Four.** Biloxi, MS, June 9, 2018. What you need to know before you get started. 22 participants.
36. **2018 Oyster South Symposium.** Charleston, SC, February 9-10, 2018. Chaired program and helped organize regional industry-focused symposium. 175 participants.
37. **Wakulla Environmental Institute, Oyster Ranching Class Guest Presentation.** November 6, 2017. Off-bottom oyster farming methods in Alabama and Mississippi. 38 participants.
38. **Lessons from Nate: Hurricane Preparation and Recovery.** October 24, 2017. Debriefing after Hurricane Nate for oyster farmers. 13 participants.
39. **Oyster Farming Fundamentals, Class Three.** Dauphin Island, AL, August 12, 2017. Making the most of your oyster farm. 18 participants.
40. **Oyster Farming Fundamentals, Class Three.** Dauphin Island, AL, July 22, 2017. What you need to know to operate an oyster farm. 19 participants.
41. **Oyster Farming Fundamentals, Class Three.** Dauphin Island, AL, July 8, 2017. What you need to know to operate an oyster farm I. 22 participants.
42. **Oyster Farming Fundamentals, Class Three.** Dauphin Island, AL, June 17, 2017. What you need to know to start oyster farming. 24 participants.
43. **Oyster Farming Fundamentals, Class Three.** Dauphin Island, AL, June 3, 2017. What you need to know before you get started. 24 participants.
44. **2017 Oyster South Symposium.** Auburn, AL, January 27-28, 2017. Chaired program and helped organize regional industry-focused symposium. 110 participants.
45. **Seafood Savvy: Oysters.** September 2016. Workshop for seafood consumers. 36 participants.
46. **Know Thy Oysters.** June 29, 2016. Training program for food servers at Seaworthy, New Orleans, Louisiana (site visit). 14 participants.
47. **Seafood Savvy: Oysters.** April 2016. Workshop for seafood consumers. 24 participants.
48. **Know Thy Oysters.** March 30, 2016. Training program for food servers at Beetlecat, Atlanta, Georgia. 23 participants.
49. **Know Thy Oysters.** May 30, 2015. Training program for food servers at The Optimist, Atlanta, Georgia. 19 participants.
50. **Seafood Savvy: Red Snapper.** March 2015. Workshop for seafood consumers. 62 participants.
51. **Seafood Savvy: Catfish and Aquaponics.** January 2015. Workshop for seafood consumers. 58 participants.
52. **Counting Shellfish.** January 2015. Workshop focused on methods of counting shellfish seed. 15 participants.
53. **Oyster Farming Fundamentals, Class Two.** Dauphin Island, AL, September 7, 2014. Storm preparation. 12 participants.

54. **Oyster Farming Fundamentals, Class Two.** Dauphin Island, AL, August 2, 2014. Seed counting and deployment. 12 participants.
55. **Oyster Farming Fundamentals, Class Two.** Dauphin Island, AL, July 19, 2014. Gear options. 12 participants.
56. **Oyster Farming Fundamentals, Class Two.** Dauphin Island, AL, June 17, 2014. Nursery options. 14 participants.
57. **Oyster Farming Fundamentals, Class Two.** Dauphin Island, AL, June 7, 2014. What you need to know before you get started. 14 participants.
58. **Seafood Savvy: Finfish.** March 25, 2014. Workshop for seafood consumers. 23 participants.
59. **Seafood Savvy: Oysters.** November 12, 2013. Workshop for seafood consumers. 32 participants.
60. **Oyster Seed Nursery Upwellers.** September 11, 2013. Workshop focused on oyster seed nursery upweller construction and maintenance. 6 participants.
61. **Oyster Farming Fundamentals, Class Two.** Dauphin Island, AL, August 17, 2013. Seed counting and deployment. 6 participants.
62. **Oyster Farming Fundamentals, Class Two.** Dauphin Island, AL, July 27, 2013. Storm preparation. 6 participants.
63. **Seafood Savvy: Blue Crabs.** July 25, 2013. Workshop for seafood consumers. 53 participants.
64. **Oyster Farming Fundamentals, Class One.** Dauphin Island, AL, June 29, 2013. Gear options. 6 participants.
65. **Oyster Farming Fundamentals, Class One.** Dauphin Island, AL, June 15, 2013. Nursery options. 6 participants.
66. **Oyster Farming Fundamentals, Class One.** Dauphin Island, AL, May 18, 2013. What you need to know before you get started. 6 participants.
67. **Shellfish Aquaculture Gear Developments.** December 2012. Session focused on new types of gear for oyster farming. 42 participants.
68. **Use of Social Media.** July 2011. Tools for seafood industry members. 8 participants.
69. **Permitting Oyster Farms in Alabama.** February 2011. Introduction to permitting of oyster farms. 8 participants.
70. **Harvest Open Waters.** 2010 (3 trainings). Certification course for seafood industry. 40 participants. [2010 Superior Service Team Award from ACES]
71. **Fundamentals of Shellfish Farming.** Fall 2008. Practical training for commercial shellfish farmers. 17 participants.

Invited Outreach Presentations (83)

1. **Walton, WC.** Commercial shellfish aquaculture: A part of sustainable waterfront communities. Tidewater Oyster Gardeners Association Annual Meeting. January 22, 2022. [virtual]
2. **Walton, WC.** The science behind the slurp. VIMS After Hours Lecture Series, Gloucester Point, VA. October 28, 2021.
3. **Walton, WC.** The science behind the slurp. VIMS Advancement Office program, Wachapreague, VA. October 13, 2021.
4. **Walton, WC.** COVID-19 impacts on fisheries in the Chesapeake Bay region: Sea Grant response for shellfish aquaculture. Chesapeake Bay Research Consortium Scientific and Technical Advisory Committee Meeting. June 7, 2021 [virtual].
5. **Walton, WC.** Shellfish aquaculture research at VIMS: Identifying important ideas, collaborating with the right people, and evaluating impacts. VIMS Foundation Board Meeting. April 16, 2021. [virtual]

6. **Walton, WC** [panelist]. Shellfish aquaculture gear management and storm preparedness round table/panel discussion. North Carolina aquaculture gear management and storm preparedness workshop. April 8, 2021 [virtual]
7. **Walton, WC** [panelist]. Shellfish aquaculture gear management and storm preparedness round table/panel discussion. North Carolina Aquaculture Development Conference. March 20, 2021 [virtual].
8. **Walton, WC**, C Robitaille, J Wilson, S Chehaude, B Wasden, A Michaelis & SA Watts. Urchins, oysters and Roombas®. Oyster South Succinct Seminar Series: Applied Research. February 19, 2021 [virtual].
9. **Walton, WC**. 2020. Social hour and seafood demonstrations: shucking and grilling oysters. 2020 Bays & Bayous, December 1-3, 2020 [virtual].
10. **Walton, WC**. 2020. Oyster restoration, aquaculture and shell recycling. Alabama Coastal Foundation's Mobile Bay Estuary Corps Summer Program. Mobile, AL (video conference). May 23, 2020.
11. **Walton, WC**. 2020. Overview of the oyster aquaculture industry. Mobile Bay National Estuary Program Business Resource Committee. Mobile, AL (video conference). April 28, 2020.
12. **Walton, WC**. 2020. Oyster farm gear and management. Florida Division of Aquaculture Information Session for Oyster Aquaculture. Apalachicola, FL. March 4 & 5, 2020 (two talks).
13. **Walton, WC**. 2020. Update on oyster aquaculture in Alabama. Organized Seafood Association of Alabama's Seafood Bash. Montgomery, AL. February 12, 2020.
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16. **Walton, WC**. 2019. The importance of knowing your oyster grower and your chef. Landlocked 3. Decatur, GA. October 20, 2019.
17. **Walton, WC** & S Blicht. 2019. Gulf of Mexico Shellfish Initiative (GoMexSI): A regional challenge and opportunity. Gulf States Marine Fisheries Commission quarterly meeting. Biloxi, MS. October 17, 2019.
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19. **Walton, WC**. 2019. Oyster South and the revival of southern oysters. Florida Oyster Revival. Winter Park, FL. August 19, 2019.
20. **Walton, WC**. 2019. Oyster gear management and storm preparation: Lessons learned in Alabama. Hurricane Workshops for Oyster Farmers, St. Teresa and Crawfordville, FL. July 31, 2019 (two workshops, presented same day).
21. **Walton, WC**. 2019. Off-bottom oyster farming: Louisiana, Mississippi, Alabama. Texas Oyster Summit, Corpus Christi, TX. July 10, 2019.
22. **Walton, WC**. 2019. Oyster farming in Alabama and the southern US: A new twist on a traditional industry. Mobile Museum of History, Mobile, AL. May 8, 2019.
23. **Walton, WC**. 2019. Oysters and water quality. Environmental Town Hall, Alabama House Democratic Caucus. Fairhope, AL. April 1, 2019.
24. **Walton, WC**. 2019. The new wave: Oyster farming in Alabama and the southern US. Colonial Dames of America, Mobile Chapter, Spring Meeting. Mobile, AL. March 27, 2019.
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27. **Walton, WC & B Walton.** 2018. Oyster South: Updates and opportunities in off-bottom oyster farming. Mississippi Commercial Fisheries United Annual Member Meeting. Biloxi, MS. November 30, 2018.
28. **Walton, WC & B Walton.** 2018. Farm to table oyster tasting. The Hangout Oyster Cook Off. Gulf Shores, AL. November 3, 2018.
29. **Walton, WC.** 2018. The need for seed. Oyster South's Landlocked 2. Decatur, GA. October 21, 2018.
30. **Walton, WC.** 2018. Lessons learned in Alabama and Mississippi with oyster efforts. Triumph Gulf Coast Oyster Industry Working Group. Panama City, FL. September 25, 2018.
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<http://shellfish.ifas.ufl.edu/news/videos-and-presentations-from-shellfish-aquaculture-gear-workshop/>
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33. **Walton, WC.** 2018. An oyster revolution in the South. Dauphin Island Sea Lab Teacher's Workshop. Dauphin Island, AL, July 11, 2018.
34. **Walton, WC.** 2018. Oyster farming: Is it for you? Mississippi Department of Marine Resources. Biloxi, MS, April 11, 2018.
35. **Walton, WC.** 2018. The new Southern oyster: Innovation and tradition. Creighton Optimist Club. Mobile, AL, April 4, 2018.
36. **Walton, WC.** 2018. An oyster revolution in Alabama. Organized Seafood Association of Alabama's Annual Seafood Bash. Montgomery, AL, March 7, 2018.
37. **Walton, WC.** 2018. The new Southern oyster: Innovation and tradition. Rotary Club of Foley, Alabama. Foley, AL, March 2, 2018.
38. **Walton, WC.** 2017. The new Southern oyster: Innovation and tradition. Rotary Club of Fairhope, Alabama. Fairhope, AL, October 4, 2017.
39. **Walton, WC.** 2017. Spatial planning and best management practices in oyster aquaculture. Advancing Shellfish Aquaculture and Red Knot Conservation in Delaware Bay, NJ. Tuckerton, NJ. September 27, 2017.
40. **Walton, WC.** 2017. The new southern oyster and the role of Auburn University and Alabama Cooperative Extension. Delegation from Cabo Verde. Mobile, AL. September 12, 2017.
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42. **Walton, WC.** 2017. Status of oyster aquaculture in Alabama. Annual Coastal Business and Environmental Issues Update Program (Alabama Legislature), Dauphin Island, AL. June 14, 2017.
43. **Walton, WC.** 2017. The new southern oyster and opportunities for Alabama. Coastal Civics Masters Class, Bayou la Batre, AL. April 17, 2017.
44. **Walton, WC.** 2017. Update on oyster farming in Alabama. Rotary Club of Daphne, Daphne, AL. April 10, 2017.
45. **Walton, WC.** 2017. The new southern oyster and Auburn University's role. Rotary Club of Auburn, Alabama (#4065), Auburn, Opelika, AL. February 8, 2017

46. **Walton, WC.** 2017. Supporting the development of oyster farming in Alabama. Dauphin Island Sea Lab Foundation, Mobile, AL. January 10, 2017.
47. **Walton, WC.** 2016. Oyster aquaculture: Another tool for oyster management. Science Café, Pass Christian Public Library, Pass Christian, MS. November 9, 2016.
48. **Walton, WC.** 2016. Growing the oyster aquaculture industry in the Gulf of Mexico. North Carolina Sea Grant Shellfish Aquaculture Workshop, Wilmington, NC. October 15, 2016.
49. **Walton, WC.** 2016. Sustainability and oyster aquaculture in the Gulf of Mexico. Food Marketing Institute Global Sustainability Summit Wetlands Restoration and the Gulf Seafood Industry Ed-U-Venture, New Orleans, LA. August 10, 2016.
50. **Walton, WC.** 2016. Oyster aquaculture in Mississippi. Mississippi Commission of Marine Resources, Biloxi, MS. June 21, 2016.
51. **Walton, WC.** 2016. Oyster aquaculture in Mississippi. Restore Mississippi Sound, Gulfport, MS. June 11, 2016.
52. **Walton, WC.** 2016. #OysterSouth: A revolution in oyster farming. 2016 Southern Association of State Departments of Agriculture Annual Meeting, Point Clear, AL. June 6, 2016.
53. **Walton, WC.** 2016. Oyster hatcheries as a tool for oyster management in Mississippi and the Gulf of Mexico. Mississippi Annual State of the Coast Meeting, Biloxi, MS. May 11, 2016.
54. **Walton, WC.** 2016. Development of oyster culture in the Gulf of Mexico: the experience and role of Auburn University. SEBRAE Oyster Workshop, Maceio, Alagoas (Brazil). April 13, 2016.
55. **Walton, WC.** 2015. OysterSouth: a Southern revolution. Judges panel, North American Oyster Showcase, Oyster Cook-Off, Gulf Shores, AL. November 6, 2015.
56. **Walton, WC & B Walton.** 2015. Oyster farming in Alabama. Rotary Club of Daphne, Daphne, AL. November 2, 2015.
57. **Walton, WC.** 2015. Oyster farming in Alabama: The Auburn University Shellfish Lab experience. Georgia Oyster Aquaculture Working Group, Savannah, GA. April 20, 2015.
58. **Walton, WC.** 2015. Oyster farming in the South. North Carolina Aquaculture Development Conference, New Bern, NC. February 27, 2015.
59. **Walton, WC.** 2014. Oyster farming as an opportunity for the Gulf Coast. Auburn University Food Entrepreneur Conference, Prattville, AL. February 28, 2014.
60. **Walton, WC.** 2013. An introduction to oyster culture gear & suppliers. University of Florida and Florida Sea Grant, Cedar Key, FL. December 5, 2013.
61. **Walton, WC.** 2013. An introduction to oyster culture gear & suppliers. University of Florida and Florida Sea Grant, St. Teresa, FL. December 4, 2013.
62. **Walton, WC.** 2013. Off-bottom oyster farming regulations in other states. Alabama Shellfish Aquaculture Review Board, Dauphin Island, AL. October 4, 2013.
63. **Walton, WC.** 2013. Development of off-bottom oyster farming gear and methods for the northern Gulf of Mexico. University of Florida and Florida Sea Grant, Cedar Key, FL. September 27, 2013.
64. **Walton, WC.** 2013. Development of off-bottom oyster farming gear and methods for the northern Gulf of Mexico. University of Florida and Florida Sea Grant, St. Teresa, FL. September 26, 2013.
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66. **Walton, WC.** 2013. Improving shellfish aquaculture production by improving quality. Harold Haskins Fisherman's Forum Series, Cape May, NJ. June 22, 2013.
67. **Walton, WC.** 2013. Revitalizing our oyster industry: oyster aquaculture in Alabama. Meeting of South Alabama legislators, Dauphin Island, AL. June 4, 2013.

68. Caswell, B. & **WC Walton**. Oysters & beer. Atlanta Food & Wine Festival, Atlanta, GA. June 1-2, 2013.
69. **Walton, WC**. 2013. Options for private oyster seed production. Louisiana Oyster Industry Convention, Grand Isle, LA. April 13, 2013.
70. **Walton, WC**. 2013. Aquaculture at AUSL. National Oceanic & Atmospheric Administration Coastal Marine Spatial Planning Advanced Training Workshop, Dauphin Island Sea Lab, Dauphin Island, AL. March 5, 2013.
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75. **Walton, WC**. 2012. Identifying vulnerabilities and building coastal resilience. America's Wetlands Blue Ribbon Panel on Coastal Resilience, Spanish Fort, AL.
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78. **Walton, WC**. 2011. Off-bottom oyster farming in the Gulf of Mexico. Eastern Shore Fly Fishing Club, Fairhope, AL.
79. **Walton, WC**. 2010. Oyster farming in inland low salinity ponds. Annual meeting of the Alabama Inland Shrimp Producers Association.
80. **Walton, WC**. 2010. Impacts of the DHOS on Alabama fisheries. Auburn University Road to Recovery Conference, Gulf Shores, AL. October 5-6, 2010.
81. **Walton, WC**. 2010. Off-bottom oyster farming in the Gulf of Mexico. Crichton Optimist Club, Mobile, AL.
82. **Walton, WC**. 2010. Effects of the Deepwater Horizon oil spill on oysters in the Gulf of Mexico. EPOCH Community Center, Barnstable, MA.
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Popular Media Stories & Interviews (74)

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2. Mississippi oyster farmers optimistic after weathering a tough year. Anne Snabes. The Meridian Star. March 5, 2021. https://www.meridianstar.com/news/local_news/mississippi-oyster-farmer-optimistic-after-weathering-a-tough-year/article_6d5e6e44-5578-5dde-b09d-599e7b766d11.html
3. Improved shell life: oyster expert Bill Walton builds a better bivalve mollusk. Derek Herscovici. Auburn Magazine. Summer 2020. Pp. 16-17.
4. With restaurants closed due to COVID-19, oyster farmers look for a way forward. Todd Price. USA Today: American South. May 20, 2020. <https://www.usatoday.com/story/news/american-south/2020/05/20/gulf-coast-oyster-farms-struggle-coronavirus-restaurants->

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5. Meet the farmers leading an oyster revival on the Forgotten Coast. Steve Dollar. Flamingo. March 17, 2020. <https://www.flamingomag.com/2020/03/17/florida-oyster-farmers/?fbclid=IwAR1xGo56KEOiOIeREUzvW6B8zqvblzCfseiORsNXZ8X9LZnOs5Ipm5CbPfk>
6. Changing climate: In pursuit of the disappearing Alabama oyster. Will they ever return? Hank Black. BirminghamWatch. November 3, 2019. <https://birminghamwatch.org/changing-climate-pursuit-disappearing-alabama-oyster-will-ever-return/>
7. Why your next tasty Gulf Coast oyster could come from a cage. Todd Price. USA Today's The American South. October 21, 2019. <https://www.theadvertiser.com/in-depth/life/2019/10/23/gulf-coast-oyster-farms-louisiana-seafood-trends/2364602001/>
8. Oysters farmed in Florida are a shucking success among tide-to-table crowd. Amy Drew Thompson. Orlando Sentinel. September 16, 2019. <https://www.orlandosentinel.com/food-restaurants/os-et-oysters-farmed-florida-20190916-13tylj5hsvbojgthh4psmcmnu-story.html>
9. With Gulf Coast ecosystems under threat, the seafood industry's next generation adapts. Audrey Wilson. **Southerly**. September 10, 2019. <https://southerlymag.org/2019/09/10/with-gulf-coast-ecosystems-under-threat-the-seafood-industrys-next-generation-adapts/>
10. Auburn grows the state's boutique oyster industry. Maggie Lawrence. Auburn Football Illustrated. Pg. 135. September 7, 2019.
11. The oyster podcast. Episode 1, Doctor Oyster. Sarah Craddock. LEF, August 1, 2019. <https://archive.org/details/dr.oyster>
12. Planting the seeds of a new industry in Mississippi. Matt Jones. Aquaculture North America. April 5, 2019. https://www.aquaculturenorthamerica.com/shellfish/planting-the-seeds-of-a-new-industry-in-mississippi-2232?custnum=2541085&title&utm_source=E942&utm_medium=email&utm_campaign=190408AM&fbclid=IwAR0q0ffC8zzNdPrMR0aUnSk7afPHhXKZqX3xAkjuZQBoKRkDW8vYHl0zqjQ
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14. *Vibrio Vulnificus*: What to know about the deadly bacteria that is the focus of bad news. Linda Leake. Food Quality & Safety. December 11, 2018. <https://www.foodqualityandsafety.com/article/vibrio-vulnificus-what-to-know-deadly-bacteria/>
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17. It's in the water: Southern oysters. Jennifer Kornegay. Okra. November 2018 (Issue 5).
18. Shucking for schools. Margaret Weinberg. **Good Grit**. September-October, 2018. <https://www.goodgritmag.com/blog/shucking-for-schools>
19. AU marine scientist lands USDA grant to study oysters. Jamie Creamer. **Opelika-Auburn News**. August 14, 2018. https://www.oanow.com/news/au-marine-scientist-lands-usda-grant-to-study-oysters/article_d6ce3bde-9f66-11e8-9e8f-df372d1bf8fc.html
20. Farming the Gulf. Sue Durio. **Landscapes**. Summer 2018. <https://www.findfarmcredit.com/landscapes-articles/farming-the-gulf/>
21. Spotlight on Agriculture (Episode 2). **Alabama Public Television**. May 20, 2018. <https://video.aptv.org/video/spotlight-on-agriculture-ico2lf/> (9:30 segment)

22. **Bill ‘Dr. Oyster’ Walton**. 5/1/18. 49:47-minute podcast interview, produced by Hot Off the Press by Chef Pete Blohme. <http://hotppodcast.com/bill-dr-oyster-walton/>
23. An oyster for all seasons. **Edible Lower Alabama**. Spring 2018. <http://edibleloweralabama.ediblecommunities.com/>
24. The doctor is in. **Mobile Bay Magazine**. November 1, 2017. <http://www.mobilebaymag.com/Mobile-Bay/November-2017/The-Doctor-is-In/>
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26. Heavy rains destroy Pensacola oyster farmer’s fledgling crop. **Pensacola News Journal**. August 2, 2017. <http://www.pnj.com/story/news/local/pensacola/beaches/2017/08/02/heavy-rains-destroy-pensacola-oyster-farmers-fledgling-crop/528733001/>
27. 7 Years After BP Oil Spill, Oyster Farming Takes Hold in South. **NPR Weekend Edition**. June 14, 2017. http://www.npr.org/sections/thesalt/2017/06/10/532102196/7-years-after-bp-oil-spill-oyster-farming-takes-hold-in-south?utm_campaign=storyshare&utm_source=facebook.com&utm_medium=social
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44. Southeast oyster symposium at Kimball House. Bob Townsend. **Atlanta Journal Constitution Blogs/AccessAtlanta**. March 12, 2014. <http://blogs.ajc.com/food-and-more/2014/03/12/southeast-oyster-symposium-at-kimball-house/>
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70. Gulf oyster farming. Robb Walsh. **Texas Eats**. 11/5/10. <http://robbwalsh.com/2010/11/gulf-oyster-farming/>
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72. Thinking beyond the spill: Auburn research helping oyster industry recover. Katie Jackson. **AU Newsmakers, Office of Communication and Marketing**. 9/2/10. <http://ocm.auburn.edu/newsmakers/oyster/>.
73. The effect of the oil spill on oysters. Sally Pitts. **WSFA TV**. 8/5/10.
74. In Gulf of Mexico, oil containment device poised to help slow leak. Tom Bearden. **PBS News Hour**. 5/6/10. http://www.pbs.org/newshour/bb/environment/jan-june10/oil_05-06.html.

Professional Service

Grant Reviewer and/or Panelist (indicated with ^P)

Atlantic State Marine Fisheries Commission (2018), California Sea Grant (2019^P), Florida Agricultural Experiment Station, Louisiana Sea Grant, Louisiana State University, Maine Aquaculture Innovation Center, Maine Northeast Consortium, Maine Technology Institute (2014, 2017), Maine Sea Grant (2019, 2020), Maryland Industrial Partnerships Program (2015, 2017, 2018, 2019, 2020), Maryland Sea Grant (2017, 2019), Mississippi-Alabama Sea Grant Consortium, Mississippi Based RESTORE Act Center of Excellence (2017, 2019), National Estuarine Research Reserve System (2020), National Science

Foundation, Netherlands Organisation for Scientific Research, Domain Applied and Engineering Sciences (2019), New Jersey Sea Grant Consortium (2015, 2017^P, 2019^P), New York Sea Grant (2017, 2019, 2021), North Carolina Sea Grant (2019), Northeast Sustainable Agriculture Research & Education (2017, 2020^P, 2021), NOAA Small Business Innovation Research (2017, 2021), North Carolina Sea Grant, Northeast Consortium, North Central Regional Aquaculture Center (2018), Oregon Sea Grant (2019^P, 2021), Rhode Island Sea Grant (2017^P, 2019), Saltonstall-Kennedy Competitive Grants Program (2016, 2018), Southeastern Regional Aquaculture Center, South Carolina Sea Grant Consortium (2019), Texas Sea Grant (2015, 2017^P, 2021^P), USDA Agricultural Research Service (2016, 2018), Virginia Sea Grant (2015, 2017), Washington Sea Grant (2019), Woods Hole Sea Grant

Publication Reviewer (76+ Reviews)

Animals (1), Aquaculture Research (7), Aquaculture (17), Aquaculture Environment Interactions (1), Brazilian Archives of Biology and Technology (1), Environmental Monitoring and Assessment (2), Environmental Pollution (2), Environmental Science & Technology (1), Estuarine, Coastal and Shelf Science (2), Experimental Results (1), Fishes (1), Food Policy (1), Gulf and Caribbean Research (2), International Journal of Food Microbiology (2), Invertebrate Reproduction and Development (1), Journal of Agriculture & Applied Economics (1), Journal of Agriculture Education & Extension (1), Journal of Applied Aquaculture (3), Journal of Applied Ecology (1), Journal of Aquatic Animal Health (1), Journal of Food Microbiology and Safety (1), Journal of Ocean University of China (3), Journal of Shellfish Research (5), Journal of the World Aquaculture Society (3), Management of Marine Biological Invasions (2), Marine Ecology Progress Series (1), Northeastern Regional Aquaculture Center (1), North American Journal of Aquaculture (2), Ocean & Coastal Management (1), PLoS One (4), Reviews in Aquaculture (1), Science of the Total Environment (1), Southeastern Regional Aquaculture Center (2) (and several chapters in books)

Promotion & Tenure External Reviewer (6)

Baruch College the City University of New York (2020), Texas A&M University (2017), Texas A&M University Corpus Christi (2018), University of Connecticut (2018), University of Florida (2019), University of Georgia (2014), University of Maine (2021)

Professional Society Affiliations & Service

Alabama Fisheries Association (Session Chair, 2012), Alpha Pi Chapter of Epsilon Sigma Phi (District Representative, 2019), Bays & Bayous 2012 Symposium (Program Co-Chair), Gulf Estuarine Research Society (Student Judge, 2012), National Shellfisheries Association (Vice-President, 2012-2013; Member at Large, 2006-2008; Membership Committee Co-Chair, 2006-2015; Web Committee Member, 2008-2015; Session Chair, 2008-2014), Oyster South Symposium Program Chair (2017, 2018, 2019), Oyster South (Board Member), Seafood Science and Technology Society of the Americas (Executive Committee member, 2012-2019), United States Aquaculture Society (President-Elect, 2020-Present, Member, Board of Directors, 2017-2019, Web Master, 2017-Present, Social Media Sub-Committee Chair, 2015-2018, Membership and Promotion Chair, 2015-2020), World Aquaculture Society (Student Judge, 2011)

Community Service, Professional

Alabama Coastal Foundation Advisory Board (2013-2021), Alabama Governor's Coastal Recovery Commission, Healthy Environment Sub-Committee (Advisor, 2010-2012), Alabama Shellfish Aquaculture Review Board (Governor-appointed member, 2013-2021), Alma Bryant High School Signature Academy of Coastal Studies Business Partner Advisory Council (2014-2021), America's Wetland Foundation Blue Ribbon Panel (member, 2012), Framing Seafood Sustainability in the Gulf of Mexico Task Force (member, 2011-2014), Global Aquaculture Alliance Mollusc Best Aquaculture Practices Committee (member, 2015), Gulf of Mexico Sea Grant Fisheries Extension Advisory Committee (member, 2013-2021), Gulf Oyster Industry

Council 'Walk on the Hill', Washington, D.C. (Technical advisor, 2012-2016), Hangout Oyster Cook-Off (Judge, 2012, 2016, 2017), Minorities in Agriculture, Natural Resources and Related Sciences L.E.a.D. (Learn, Explore and Development) Mentoring Program Mentor (2021-Present), Mobile Bay National Estuary Program Science Advisory Committee (Member, 2019-2021), Mobile School Science Fair (Judge, 2010-2014), Mobile County Regional Science Fair (Judge, 2010-2021), National Oceanic & Atmospheric Administration Aquaculture Program Review (2016), National Sea Grant Aquaculture Synthesis Panel, Oyster South Board of Directors (2016-Present), Oyster South Symposium Program Chair (2017, 2018, 2019, 2020, 2022), Shellfish Health Assessment Panel (2019-Present), USDA Southern Regional Aquaculture Center Technical Advisory Committee (2021-Present)

Community Service, Civic

BSA, Troop 103, Webmaster, Williamsburg, VA (2021-Present); Cub Scouts of America, Pack 271, Daphne, AL (Committee Chair, Pack 271, 2019-2021, Cubmaster, 2014-2017; Assistant Cubmaster, 2014, 2017-2018; Treasurer 2018-2020; STEM SuperNova Counselor, 2017-Present; Webmaster, 2016-2018); Boy Scouts of America, Troop 82, Daphne, AL (Merit Badge Counselor, 2017-2021; Committee Member, 2017-2021; Treasurer, 2018-2021); Daphne Strike Soccer Club, Recreational (Coach, 2013-2014)

5. Responsible Participation in Department, School and University Governance

Departmental Service

- Auburn University School of Fisheries, Aquaculture & Aquatic Sciences IT Committee, 2009-2017.
- Reproductive Biologist Search Committee, 2016.

School Service

- Virginia Institute of Marine Science Search Committee, Oyster Aquaculture Trainee Program, 2022-Present.
- Virginia Institute of Marine Science Search Committee, Strategic Planning Committee: Innovation & Commercialization Co-Chair, 2021-Present.
- Virginia Institute of Marine Science Search Committee, Shellfish Aquaculture Extension Specialist, 2021-Present.
- Virginia Institute of Marine Science Search Committee, Senior Director of Strategic Communication & Marketing, 2021-Present
- Virginia Institute of Marine Science Educational Policy Committee, 2021-Present.
- Auburn University College of Agriculture Dean's Diversity Task Force, 2020-2021.
- Dauphin Island Sea Lab Wetland Ecologist Search Committee, 2019-2020.
- Aquatic Resources Extension Team, 2009-2021.
- Auburn University College of Agriculture Diversity Committee, 2019-2020.
- School of Fisheries Director Search Committee, 2013-2015.
- Ad Hoc Interim School of Fisheries Director Search Committee, 2013.

University Service

- None to date