

**William (Monty) Graham, Ph.D.**  
*Director, Florida Institute of Oceanography*

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**Professional Preparation**

University of North Carolina, Wilmington	Marine Biology	B.Sc., 1986
University of California, Santa Cruz	Marine Sciences	M.Sc., 1989
University of California, Santa Cruz	Biology	Ph.D., 1994
University of California, Santa Barbara	Res. Oceanographer	1994-1995

**Appointments**

2021 - Director, Florida Institute of Oceanography  
2019 - 2020 Associate VP for Research, Coastal Operations, Univ. Southern Mississippi  
2016 - 2019 Director, School of Ocean Science & Engineering, Univ. Southern Mississippi  
2015 - 2016 Interim Director, Gulf Coast Research Laboratory, Univ. Southern Mississippi  
2011 - 2016 Chair, Dept. of Marine Science, Univ. Southern Mississippi  
2011 - 2020 Professor of Marine Science, Univ. Southern Mississippi  
2002 - 2011 Senior Marine Scientist II, Dauphin Island Sea Lab, Dauphin Island, Alabama  
2002 - 2011 Assoc. Professor, Department of Marine Sciences, Univ. of South Alabama  
1995 - 2001 Senior Marine Scientist I, Dauphin Island Sea Lab, Dauphin Island, Alabama  
1996 - 2001 Asst. Professor, Department of Marine Sciences, Univ. of South Alabama

**Research Interests**

Biological oceanography with an emphasis on ecology of large gelatinous zooplankton. This work has generated renewed interest in the role of coastal jellies as indicators of and respondents to long-term ecological change driven by climate, coastal eutrophication and fisheries overharvest. In 2022, a common northern Gulf of Mexico species, *Aurelia montyi*, was named in honor. Current interests include advancement of underrepresented groups in the ocean sciences through at-sea and on-shore experiences.

**Representative Products**

*Over 100 Scientific Publications (Google Scholar H-index = 45; 7650 citations)*

- Clough, J., Blancher, E.C., Park, R., Milroy, S., Graham, W.M., Rakocinski, C., Hendon, J.R., Wiggert, J.D. Leaf, R. (2017). Establishing nearshore marine injuries for the Deepwater Horizon natural resource damage assessment using AQUATOX, *Ecological Modeling*, 359: 258-268. <https://doi.org/10.1016/j.ecolmodel.2017.05.028>.
- D'Ambra, I., W. M. Graham, R.H. Carmichael, F. J. Hernandez Jr. (2018) Dietary Overlap between Jellyfish and Forage Fish in the Northern Gulf of Mexico. *Marine Ecology Progress Series*, Vol. 587. [doi.org/10.3354/meps12419](https://doi.org/10.3354/meps12419)
- Aleksa, K.T., R.W. Nero, J. D. Wiggert, W. M. Graham (2018). Descriptive Density Models of Scyphozoan Jellyfish in the Northern Gulf of Mexico. *Marine Ecology Progress Series*, Vol. 591. [doi.org/10.3354/meps12327](https://doi.org/10.3354/meps12327).

- Chiaverano, L.M., K.L. Robinson, J. Tam, J.J. Ruzicka, J. Quiñones, K.T. Aleksa, F.J. Hernandez, R. D. Brodeur, R. Leaf, S.-I. Uye, M.B. Decker, M. Acha, H.W. Mianzan, W.M. Graham (2018). Evaluating the Role of Large Jellyfish and Forage Fishes as Energy Pathways, and their Interplay with Fisheries, in the Northern Humboldt Current System. *Progress in Oceanography*, Volume 164, doi.org/10.1016/j.pocean.2018.04.009
- Greer, A.T., A.M. Shiller, E.E. Hofmann, J.D. Wiggert, S.J. Warner, S.M. Parra, C. Pan, J.W. Book, D. Joung, S. Dykstra, J.W. Krause, B. Dzwonkowski, I.M. Soto, M.K. Cambazoglu, A.L. Deary, C. Briseño-Avena, A.D. Boyette, J.A. Kastler, V. Sanial, L. Hode, U. Nwankwo, L.M. Chiaverano, S.J. O'Brien, P.J. Fitzpatrick, Y.H. Lau, M.S. Dinniman, K.M. Martin, P. Ho, A.K. Mojzis, S.D. Howden, F.J. Hernandez, I. Church, T.N. Miles, S. Sponaugle, J.N. Moum, R.A. Arnone, R.K. Cowen, G.A. Jacobs, O. Schofield and W.M. Graham. (2018). Functioning of Coastal River-Dominated Ecosystems and Implications for Oil Spill Response: From Observations to Mechanisms and Models. *Oceanography* Volume 31, No. 3, jstor.org/stable/26509098.
- Graham W.M., S. Gelcich, K.L. Robinson, C. Duarte, R. Brodeur, L. Madin, H. Mianzan, K.R. Sutherland, S.-I. Uye, K. Pitt, C. Lucas, M. Bøgeberg, L. Brotz, R.H. Condon (2014). Linking human well-being and jellyfish: ecosystem services, impacts and social response. *Frontiers in Ecology and the Environment* 12(9): 515-523.
- Robinson, K.L., J.J. Ruzicka, M.B. Decker, R.D. Brodeur, F.J. Hernandez, J. Quiñones, E.M. Acha, S.-i. Uye, H. Mianzan, W.M. Graham (2014). Jellyfish, forage fish, and the world's major fisheries. *Oceanography* 27(4):104–115, <http://dx.doi.org/10.5670/oceanog.2014.90>.
- Graham, W.M., R.H. Condon, R.H. Carmichael, I. D'Ambra, H.K. Patterson, L.J. Linn, and F.J. Hernandez, Jr. (2010) Oil carbon entered the coastal planktonic food web during the *Deepwater Horizon* oil spill. *Environmental Research Letters* 5: 045301, 6 pp.
- Graham, W.M., J.G. Field, D.C. Potts. (1992). Persistent “upwelling shadows” and their influence on zooplankton distributions. *Marine Biology*. 114: 561-570.
- Graham, W.M. (1993). Spatio-temporal scale assessment of an “upwelling shadow” in northern Monterey Bay, California. *Estuaries*. 16: 83-91.

### **Synergistic Activities and Honors**

*Past and Present:* NSF CAREER awardee; Participant, Mentor and Host for DIALOG series; NMFS/DISL; Cooperative Institute Science Steering Committee; MRD/ADCNR- Fisheries Oceanography in Coastal Alabama (FOCAL) Program Coordinator; Fellow, Northern Gulf Institute; Principal Investigator, Consortium for Coastal Ocean River Dominated Ecosystems; Advisory Board; Member, National Academy of Sciences Gulf Research Program; Chair, Governor Phil Bryant’s (MS) Ocean Task Force; Ocean Exploration Trust Board Member; Executive Council, Ocean Exploration Cooperative Institute; Board of Trustees and Chair, Consortium for Ocean Leadership; Executive Committee, NOAA Workshop on UxS Strategy Implementation; Principal Investigator, NSF Regional Class Research Vessel #3 (R/V Gilbert R. Mason); Board member, Florida Ocean Alliance; Florida representative, Gulf of Mexico University Research Collaborative; Advisory Council, Center for Coastal and Marine Ecosystems, a NOAA Cooperative Science Center; President’s University Leadership Council, USF.