

Alum Spotlight

Department of Environmental Sciences



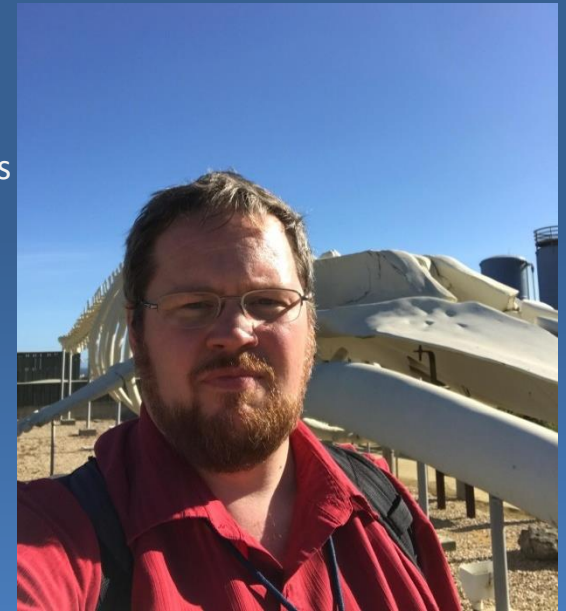
Dr. Joshua Brown: Ph.D. Biology (2009)

Dissertation: “Genetic portraits of introduced gobies and mussels: population variation delineates invasion pathways”

Dr. Joshua Brown completed his doctorate in Ecology at the University of Toledo in 2009 after graduating with his M.S. degree in Integrative Biology from Brigham Young. Joshua’s dissertation addressed the feasibility of using molecular techniques to study and manage introduced species in the Laurentian Great Lakes and the Ponto-Caspian region of Eurasia.

During his time at UT, he was awarded a NOAA Sea Grant Knauss Fellowship which allowed him to work in Washington D.C. on coastal and Great Lakes resources and the national policy decisions affecting those resources. He published papers on invasion ecology and conservation genetics.

After graduating, Joshua continued at NOAA in various positions. He served on the NOAA Science Coordination Team during the Deepwater Horizon crisis, worked as a Management Analysis Officer and is frequently involved in the agency’s response to natural disasters such as Hurricane Sandy, Hurricane Irene, and the Tōhoku Tsunami. He was recognized as NOAA’s “Office of Oceanic and Atmospheric Research Employee of the Year” and received the “NOAA Administrator’s Award”. Dr. Brown continues his involvement in the National Sea Grant College Program, and now oversees its \$36M/year research portfolio.



“The knowledge and skills I acquired from the UT Department of Environmental Sciences allow me to explore and pursue a non-traditional path in the sciences, designing research and engagement programs for NOAA’s National Sea Grant College that have helped communities around the country respond to crisis, plan for the future, and be resilient in the face of change”