

# 2016 Board of Directors Candidates

---

## Joe Carnahan



Joe Carnahan graduated from Virginia Tech in 2003 with a B.S. in Mining and Minerals Engineering. After earning his degree, he joined Luck Stone Corporation, a family owned aggregate mining company based in Richmond, VA. For 13 years, he has served the company at many levels, including Mining Engineer, Mining Engineering Manager, and General Manager.

Joe earned his Professional Engineering license in 2009 and in 2013, he received a Master of Business Administration from Virginia Commonwealth University's. Upon graduation,

Joe became general manager of Luck Ecosystems, a business dedicated to improving the outdoor environment through innovative products and sustainable practices. Specifically, Luck Ecosystems produces a variety of soil and sand media for environmental and recreational purposes. Luck Ecosystems strives to produce the highest functioning biofiltration, streambed restoration, and other stormwater control products for the benefit of the Chesapeake Bay and hundreds of local watersheds. In 2015, Joe was promoted and currently serves as the General Manager of Emerging Businesses. He is active in the Society of Mining Metallurgy and Exploration, the National Stone Sand and Gravel Association, and the Water Environment Federation.

Joe, his wife Leah and daughter Marjorie live in Richmond, Virginia. They frequent the James River and enjoy kayaking, hiking and biking in the surrounding area.

**Residence:** VA

## Kelly Gutshall



Kelly Gutshall, is the owner of LandStudies, a small business which designs and builds innovative green infrastructure and restoration projects.

The 15-person company offers services such as green masterplans, watershed planning, floodplain restoration, stormwater management, conservation plans and environmental construction, including the installation of forested stream buffers. We're focused on helping clients — in both the public and private sectors — find economical solutions to their environmental challenges," she added. "Essentially, we help our clients simultaneously improve the environment and realize economic gains for doing the right thing."

LandStudies played an instrumental role in the restoration of Lititz Run, which has been cited by the U.S. Environmental Protection Agency as one of the 12 best watershed restoration projects in the nation.

The company also received praise from the U.S. National Park Service for its stream restoration project in Valley Forge National Historical Park. Today, the award-winning company is front and center in discussions on how Lancaster County can best meet new state and federal regulations to clean up county waterways that feed into the Chesapeake Bay.

**Residence:** Lititz, PA

## Sally G. Hornor

Sally's love of coastal ecosystems was inspired by the summers she spent growing up on Cape Cod. She majored in Biology at Goucher College (Towson MD) and spent college summers at Woods Hole Oceanographic Inst. in Woods Hole on Cape Cod. She then went on to earn an MS in Microbiology at the Univ. of Connecticut and a Ph.D. in Ecology at UConn. She has been active in research as an aquatic microbial ecologist in such diverse ecosystems as sewage sludge, bog lakes, rivers, creeks and the Chesapeake Bay estuarine system.



After a post-doc fellowship at SUNY Syracuse, Sally joined the faculty at Va Tech where she taught for six years. Sally and her husband, Tom Caperna, moved to Arnold MD in 1985 when Tom accepted a research scientist position at USDA in Beltsville. While raising two children, Sally taught part-time at Anne Arundel Community College and then joined the faculty full time in 1993, teaching primarily ecology and microbiology. She retired from teaching in 2015 but is still involved in research and monitoring projects at the AACC Environmental Center.

Sally was the scientific director of Operation Clearwater for 27 years, a program started 45 years ago by the Severn River Assn. to monitor the bacterial water quality of bathing beaches and marinas during the swimming season. She expanded this program in partnership with the Magothy River Assn., the South River Federation, the West and Rhode Riverkeeper and the Advocates for Herring Bay so that bacterial water quality monitoring of all of the major tributaries in Anne Arundel County were included. When fecal bacterial levels exceeded limits for safe recreational use, she worked with communities to determine the source of contamination and to improve their water quality. She has volunteered with the Severn River Assn. and the Magothy River Assn. over the last 30 years to restore historic oyster bars and to encourage citizen science projects in water quality monitoring and monitoring of submerged aquatic vegetation. In the past few years some key MRA projects include developing a protocol for volunteer-assisted yellow perch egg and larval sampling and preparing a brochure of the Magothy River Water Trail, which has just been completed with funding from the Chesapeake Bay Trust. Sally has prepared and presented the annual State of the Magothy for the past three years.

Sally served on the board of the Severn River Commission for 14 years where she was involved with research into the effect of utilizing slag from Sparrow Point for oyster substratum in the Severn and served as SRC representative on the citizen board of the Anne Arundel County General Development Plan. Currently she is a VP of the Magothy River Assn and serves on the board of the Magothy River Land Trust and the Chesapeake Environmental Protection Assn.

**Residence:** MD

## Jan Jarrett



Jan has had a 25-year career in public interest environmental and clean energy advocacy in Pennsylvania.

She currently provides consulting on environmental policy and outreach, strategic communications, fundraising and the development and implementation of issue campaigns. Her clients include the William Penn Foundation, the Keith Campbell Foundation, the National Wildlife Federation, the Foundation for Pennsylvania Watersheds, Hanger for Governor campaign, the Pennsylvania Budget and Policy Center, and the Pennsylvania Land Trust Association.

She worked for 13 years at PennFuture where she helped develop successful campaigns that created policies to grow the renewable energy and energy efficiency industries, enacted regulations to cut toxic mercury emissions from coal-fired power plants, gained voter approval of the largest environmental bond in state history, and enacted the state's first electronic recycling law. The Pittsburgh Post-Gazette named her one of the ten most influential people influencing the debate over Marcellus shale gas drilling.

Jan worked for 10 years at the Pennsylvania Office of the Chesapeake Bay Foundation where she was the Pennsylvania grassroots coordinator. For two years, she coordinated a coalition of consumers and environmental organizations in the Pennsylvania Campaign for Clean Affordable Energy which sought to gain consumer protections and clean energy incentives in the restructuring of the utility industry.

**Residence:** PA

## Tara A. Scully



Tara A. Scully is a Teaching Assistant Professor at the George Washington University. At GW, she regularly teaches introductory biology courses and laboratories to non-science majors. Currently, she teaches four different courses: The Biology of Nutrition and Health; The Ecology and Evolution of Organisms; Food, Nutrition, and Service; and Understanding Organisms through Service Learning.

The last 2 courses are service learning courses, which allow students to interact with the community on issues related to food, food access and security, food desserts, pollution, ecological issues, and human impact on other organisms.

Dr. Scully received her MS, specializing in forensic science research with a concentration on fiber evidence and a PhD with a research focus on developmental biology from The George Washington University. She has worked for a nonprofit agency training prosecutors nationwide on how to present forensic evidence—specifically DNA—in criminal cases and is the author of the book *Discovering Biology in the Lab: An Introductory Laboratory Manual*.

**Residence:** DC