

**O’Niell Tedrow, Water Resource & Wild Rice Scientist, Northeast Technical Services, Inc.**



O’Niell earned a Bachelor’s of Science in Aquatic Biology from St. Cloud State University with a research focus on Freshwater Toxicology. He continued his education at Clemson University earning a Master of Science Degree in Forest Resources with an emphasis on Freshwater Ecotoxicology. Following graduation, he worked as a / an USEPA SSA Research Assistant in Athens, GA, from Sept. 2007 – June 2009. In June 2009, he became full-time employed at Northeast Technical Services, Inc. in Virginia, MN, as an Aquatic Ecotoxicologist / Water Resources Scientist until August 2012 when he became a Biology Instructor at Vermilion Community College. He defended his Ph. D. through Lakehead University in October 2020 with a focus on design, development, and use of field-relevant aquatic plant bioassays for prediction of wild rice responses to industry-influenced water and sediment exposures. He has managed aquatic toxicity testing facilities at both Clemson and Lakehead Universities, and is here to present some basic information about aquatic toxicity testing, followed by wild rice-specific bioassay development.

**Maggie Durenberger, Oreval**

PG, SME, MAusIMM, MAIG, GradCertEdu  
President, Southern MN Subsection of SME



Margaret “Maggie” is a pro-mining global environmentalist.

She recognizes that mining is essential to the welfare of society, but it also creates environmental issues that must be addressed. She serves as the connector and subject matter expert to investors, educators, governmental bodies, and the public on a variety of mining issues.

Maggie has more than 25 years of experience working in the field, on site, and in the laboratory on a variety of mining and mineral projects. Her global experience, environmental awareness and practical leadership have given her a broad perspective on the needs and responsibilities of mining in the 21st Century.

Maggie obtained her bachelor’s degree at the University of Minnesota and a graduate certificate emphasizing leadership at the University of the Sunshine Coast, Queensland.

Languages: English (native), French, Spanish

## Dr. Charles Fairhurst, Professor Emeritus



Dr Fairhurst obtained his Ph.D. in Mining Engineering from the University of Sheffield, UK in 1955. He joined the University of Minnesota faculty, School of Mines and Metallurgy in 1956, serving as Head for several years to 1970, when the Mining program was joined with Civil Engineering to form the Department of Civil and Mineral Engineering. He served as Head of the joint Department from 1973-87, and retired in 1997.

He has consulted on rock stability problems for tunnels, dams, mines and excavations throughout the world. He served as President of the International Society for Rock Mechanics from 1991-1995, and has been elected to the U.S. National Academy of Engineering (1991) and the Royal Swedish Academy of Engineering Sciences (1979). He is a Fellow of the International Society for Rock Mechanics and Rock Engineering and Fellow of the American Rock Mechanics Association.

Dr. Fairhurst holds honorary doctorate degrees from the University of Nancy, France; St. Petersburg Mining Academy, Russia; University of Sheffield, England; and University of Minnesota, USA; and is Advisory Professor to Tongji University, Shanghai, China.

In December, 2013, he was inducted as Officier, Légion d'Honneur, France.

In February, 2018, he received the SME Presidential Citation for Distinguished Service Award.

From July 1 2017 -June 30 2018 he served as Chair, Section 11(Earth Resources Engineering) US National Academy of Engineering.

**Rob Bergmann, CEO, Chairman of the Board and Cofounder of Exsolve  
Cofounder and President of Big Rock Exploration**



Rob Bergmann is a passionate, professionally trained geologist, Rob has over 13 years of exploration and mineral development experience across North America on commodities including gold, silver, copper, nickel, uranium, industrial minerals, and rare earth elements. Rob co-founded Big Rock Exploration in 2010 and has led the company through 10x growth. Today Big Rock is a premiere North American mineral exploration service provider with over 40 scientists working with some of the largest mining companies in the world. In addition to Exsolve, Rob is also president and cofounder of several privately held, innovative mineral resource companies, including F3 Gold, Relevant Gold Corp., and Relevant Copper Corp. Rob has a B.Sc. in Geology from Winona State University and is a member of the Society of Economic Geologists (SEG), Society of Mining, Metallurgy and Exploration (SME) and several other mineral resource related organizations.