

THOMAS M. RYAN, P.E.

Education

M.S., Geological Engineering, University of Arizona, 1987

B.S., Geological Engineering, University of Arizona, 1986

Registration

Geological Engineering P.E. #27693, Arizona

Affiliations

International Society of Rock Mechanics

Society for Mining, Metallurgy, and Exploration

Experience

- 1995 – Present **Vice President, Call & Nicholas, Inc.**, Tucson, Arizona.
Principal of the firm. Manages technical projects involving geotechnical engineering and geomechanics. Specializes in geomechanics and slope stability evaluations of soil and rock.
- 1993 – 1994 **Professor of Mining Engineering, Montana College of Mineral Science & Technology**, Butte, Montana.
Lecturer in geomechanics and mine design. Technical advisor and lecturer for the Mine Waste Pilot Program.
- 1988 – 1993 **Geological Engineer, Call & Nicholas, Inc.**, Tucson, Arizona.
Project engineer/manager for geomechanics and hydrogeologic studies. Responsible for project management, supervision of field data collection and laboratory testing, technical analysis and interpretation, and writing design reports. Project types include pit slope stability studies, underground mining method selection, EPA Superfund site investigations, and design and permitting of mine waste dumps and tailing dams.
- 1986 – 1987 **Geotechnical Engineer, U.S. Army Engineer Waterways Experiment Station**, Vicksburg, Mississippi.
Research engineer working on the water inflow prevention in underground excavations, displacement monitoring, and the remediation of existing dams and hydraulic control structures.

Additional Information

- Short Course Lecturer on *Rock Fragmentation for Leachability Studies*, Annual Meetings of the SME
- M.S. research on Flow Characteristics and Permeability of Fractures in Rock Under High Pressure
- O.S.H.A. and M.S.H.A. Health and Safety Certified
- Publication list available on request