



SHAWN M. CALENDINE

EDUCATION

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

Portland State University. Portland, Oregon

BACHELOR OF SCIENCE IN SCIENCE

Portland State University. Portland, Oregon

MINOR IN BIOLOGY

Portland State University. Portland, Oregon

EXPERIENCE

Marketing & Development Manager

hydroGEOPHYSICS, Inc., Tucson, AZ

2013 – Present

Responsible for developing and implementing marketing, sales, and communications strategies for meeting agreed company objectives. Actively seeks out new clients and projects while maintaining relationships with current clients, and assisting managers with proposal responses for new work. Collaborates with the managers, principals, and president on communications with potential business partners and clients, while maintaining HGI's online presence, marketing materials, and conference agenda to ensure a consistent and increasing market presence, sales, and human resources balancing. Major accomplishments include:

- Lead the development and implementation of three major HGI websites to support company strategic agenda, service branding, and new signature services. Worked with graphic designers to develop new logos and worked with staff to write technical page content while performing search engine optimization to increase web presence and page rankings. Created high quality photographic images and graphics optimized to enhance site visual appearance and Google searches.
- Developed a series of new high quality brochures focusing on the HGI corporate profile and newly branded signature services. Established a new style and theme for brochures capitalizing on a visual framework to express company values, capabilities, experience, and professionalism.
- Worked with principals and company president to develop a marketing and business development plan to provide the company with specific goals and company objectives emphasizing strategies to increase market presence through gaining marketing share, increasing customer awareness and building brand favorability.

Environmental Health & Safety Officer

hydroGEOPHYSICS, Inc., Tucson, AZ

2009 – Present

Responsible for designing, implementing, and ensuring written health and safety plans are current and compliant with company and industry requirements, client's standards, and government safety laws and regulations. For preventing and eliminating injury and illness to employees and assisting company to inspect and evaluate workplaces to minimize or eliminate hazards such as incorrect working methods, faulty or damaged equipment, and environmental conditions. Investigate accidents to identify their causes and find ways to prevent them in the future and recommend changes to protect workers, and educate employees on how to prevent health problems through the use of safety training programs. Major accomplishments include:



- Created and maintained company health and safety plan and modify plan for each new contract to reflect client's requirements and site specific hazards.
- Developed A safety culture program 'Take 5 to LIVE' where the word live stands for 'Leverage' your skills, 'Identify' hazards, 'Visualize' task, and 'Execute' task safely. The programs purpose was to effect behavioral change toward a safety oriented work culture.

Geoscientist II

2010 – 2013

hydroGEOPHYSICS, Inc., Tucson, AZ

Responsible for data acquisition, reduction and presentation of geophysical data. Diverse knowledge of geophysical methods that includes survey design, data acquisition, and processing of geophysical data. Co-authored proposals and reports. Conduct site characterization, including geologic, structural and hydrologic surface and subsurface mapping. Interact with clients and coworkers to facilitate smooth and efficient work between contractors, subcontractors, and staff. Major accomplishments include:

- Managed field geophysical surveys from pre-mobilization logistics and packing through onsite data acquisition, onsite client interaction, presentation and discussion of preliminary data, and demobilization.

Leak Detection & Monitoring Program Operator

2008 – 2010

hydroGEOPHYSICS, Inc., Tucson, AZ

The program monitors the retrieval and transfer of high-level liquid radioactive waste between subsurface tanks for storage and remediation using an electrically-based geophysics monitoring program. The LDM project operator is responsible for managing the daily operation and maintenance of data collection software, hardware systems, data processing and filtering of real-time data, creation and management of database storage systems, interpretation of geophysical data and preparation of daily status reports. The operator reports directly to the LDM Project Manager and works directly with the client to address data of interest or conditions of concern, the Operator is on call 24/7 as program is critical to the safety of Hanford personal and Pacific Northwest Community. Major accomplishments include:

- Assisted Project Manager with the process of bringing new tanks into the program for monitoring requiring extensive verification and validation of system software and hardware.
- Maintained and managing all operations of the LDM project through a 3 month period during a transition of senior project managers.

Staff Geoscientist I

2005 – 2008

hydroGEOPHYSICS, Inc., Tucson, AZ

Responsible for equipment maintenance, logistics, field data acquisition, and reduction of geophysical data for field projects. Additionally, created field notes and field reports and worked extensively outdoors in extreme conditions.

Small Business Owner/Operator

2003 – 2005

Contractor, Tucson, AZ

Consulted local homeowners and businesses on landscape ecology and implemented landscapes from conception to completion. Consulted clients on landscape techniques to increase water and energy savings. Installed, complete irrigation and electrical systems for new and renovated landscapes.



Modified and improved homes using various construction techniques for current residents and homes for resale.

Director, Development/Communications
Tucson Clean & Beautiful, Tucson, AZ

2000 – 2003

Responsible for promoting Tucson Clean & Beautiful corporate mission of environmental sustainability through a variety of media, including print, radio, and television. Acted as spokesperson providing interviews for newspaper, radio, and television as-well-as giving lectures to local and national groups. Worked with city council member and government officials with county and state organizations to gain funds and support for TCB programs. Responsible for raising over \$250,000 in cash donations and in-kind donations from 2000 – 2003. Performed grant writing; graphic design; and produced advertising materials. Major accomplishments include:

- Developed, promoted, organized, and managed a New Years Eve 5K fun run drawing an average of 350 people each year. The event netted over \$25,000 in cash and \$100,000+ in in-kind donations over the three year period (2001 – 2003).
- Major contributor in organizing the *Hot Topics/Cool Solutions* conference on environmental sustainability in the southwest held in 2002 and 2003.

SOFTWARE

Expert with most geophysical data processing and visualization software packages.
Strong background graphic design software, including Adobe Photoshop & InDesign.
Skilled in WordPress website content management system
Proficient in content SEO – search engine optimization
Knowledge of website design
Current with all Microsoft operating systems

PROFESSIONAL CERTIFICATIONS

MSHA certified
OSHA certified (29 CFR 1910.120) Hazardous Materials Awareness (Department of Labor)
OSHA certified (29 CFR 1910.1200) Hazard Communications (Department of Labor)
1st Aid certified
Level 2 certified for Electrical Liner Integrity Survey (TRI Corp)

PROFESSIONAL SOCIETIES

Arizona Hydrological Society
Environmental & Engineering Geophysical Society
Society for Mining & Metallurgy

PUBLICATIONS & CONFERNECE PROCEEDINGS

Rucker, D.F., N. Crook, M. McNeill, J. Winterton, C.A. Baldyga, G. Noonan, S. Calendine, 2012. Monitoring Enhanced Recovery of a Mine Heap: An Application of Real-Time Electrical Resistivity. SAGEEP 2012, Annual meeting of the Environmental and Engineering Geophysical Society, Tucson, AZ. March 25-28, 2012.

Calendine, S., D.F. Rucker, J.B. Fink, M.T. Levitt, and J. Schofield, 2011. Automated Leak Detection of Buried Tanks using Geophysical Methods at the Hanford Nuclear Site. SAGEEP 2011, Annual meeting of the Environmental and Engineering Geophysical Society, Charleston, SC. April 10-14, 2011.



Levitt, M. T., C. Henderson, C. Baldyga, B. Cabbage, S. Calendine, and D. Rucker, 2007. Subsurface Geophysical Exploration within and around Hanford's Tank Farms: Examples from T and S Farm. 6th Annual Washington Hydrogeology Symposium. Tacoma, Washington. May 1-3, 2007.

Cabbage, Brian D., Dale F. Rucker, Marc T. Levitt, and Shawn M. Calendine. "Electrical Resistivity Imaging To Monitor A Simulated Leak From An Underground Storage Tank At A Radiological Waste Facility." In 20th EEGS Symposium on the Application of Geophysics to Engineering and Environmental Problems. 2007.

Rucker, Dale, Marc Levitt, Shawn Calendine, John Fleming, and Robert McGill. "Geophysical Survey for the Old 2 Left Section of the Sago Mine, Buckhannon, WV, hydroGEOPHYSICS." Inc., Tucson, AZ (2006).