Brian D. Cubbage
Associate Geophysical Project Manager

Summary

6 years Geophysical experience.

Education

B.S., Geology and Geophysics. University of Wisconsin. Madison, Wisconsin.

Experience

2011 — Present. Associate Geophysical Project Manager. hydroGEOPHYSICS, Inc. Richland, Washington.

2006 — 2011. Geoscientist II. hydroGEOPHYSICS, Inc. Richland, Washington.

Responsible for field management and data collection of multi-method, multi-year geophysical characterization surveys at the Hanford Nuclear Reservation in southeastern Washington. Field management duties include assistance with survey design, deployment of data acquisition activities, project scheduling, training and interaction with site and union personnel, and training personnel on geophysical/data processing methods. Project responsibilities include data processing, report preparation, and presentation of results. Diverse knowledge of field practices including electrical resistivity, electromagnetic, magnetic, GPS, and ground penetrating radar surveys. Co-authored proposals and reports. Major accomplishments include:

- Responsible for deployment and data collection for multiple Surface Geophysical Exploration (SGE) projects on the Hanford site.
- Developed site specific geophysical data acquisition practices for Department of Energy sites that decreased field duration while increasing personnel and equipment safety.
- Successfully integrated separate geophysical data collection systems into one data collection assembly that provides a multi-parameter geo-referenced output.
- Worked closely with and developed positive relationships with Hanford site personnel including: operators, electricians, health physics technicians, IH technicians, and client representatives.
- Provided training and supervision for HGI's field tech positions.

2005 — 2006. Geoscientist I. hydroGEOPHYSICS, Inc. Tucson, Arizona.

Responsible for the daily data processing and reporting for the HRR-LDM (High Resolution Resistivity - Leak Detection and Monitoring) program in Hanford, WA. The daily LDM monitoring was used by the Hanford Site personal as part of remediation for historically leaking single shell waste storage tanks. The LDM program was designed to provide a

1806 Terminal Drive
Richland, WA 99354
Phone: 509.946.7111
Fax: 509.946.9365

monitoring system that could ensure that remediation activities would not create new or re-activate old leaks. Duties include operation and maintenance of data collection software and 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 that were assessed to ensure safety of Hanford Site personnel. Major accomplishments include:

- Assisted with the successful 2006 LDM proof of concept leak injection test at single shell tank S-102 at the Hanford Nuclear Waste Reservation.

2005. Account Executive. Green Lights Recycling. Blaine, Minnesota.

Responsible for sales and developing educational presentations/programs for an environmental company. Duties included developing strong relationships with local businesses and government agencies as well as creating awareness for new legislation.

2004 — 2005. Environmental Associate. Dakota County Environmental Management. Apple Valley, MN.

Assisted in environmental education and technical support for the second largest county in Minnesota. Responsibilities included: contract management, event coordination, data management, creating educational tools, and long-term document planning.

2003 — 2004. Research Assistant. University of Wisconsin. Madison, Wisconsin.

Participated in University research for structural and quaternary geology. Research projects included: drilling and orientating core samples of diorite from the Henry Mountains, soil size analysis to determine slope stability for local soils.

Conference Proceedings

Rucker, D.F., B.D. Cubbage, M.T. Levitt, and D.R. Glaser II, 2007. Electrical Resistivity Imaging to Monitor a Simulated Leak From an Underground Storage Tank at a Radiological Waste Facility. SAGEEP 2007, Annual meeting of the Environmental and Engineering Geophysical Society, Denver, CO. April 4-8, 2007.

D. Rucker, M. Levitt, J. Greenwood, G. Noonan, B. Cubbage, M. McNeil, M. Bergeron, C. Henderson, D. Myers. Surface Geophysical Exploration at Selected Tank Farm Areas at the U.S. Department of Energy Hanford Site, Near Richland, Washington. Washington Hydrology Symposium, Tacoma, WA. April 28-30, 2009.

Certifications

MSHA certified

OSHA certified (29CFR 1910.120) Hazardous Materials Awareness

OSHA certified (29CFR 1910.1200) Hazard Communications (Department of Labor)