LINDSAY GEORGE, P.E., Ph.D.

Water Resource Engineer

Education:

- BS / University of Colorado, Boulder/ 2000
- PhD / Civil and Environmental Engineering, University of Vermont/ 2009

Registrations:

- Professional Engineer Vermont and Colorado

Associations:

- Society of Women Engineers (Member)
- American Water Resources Association (Member)
- American Society of Civil Engineers (Member)
- American Geophysical Union (Member)

Awards:

- Graduate Student of the year (2008)

Career Summary

Lindsay has more than 7 years of practical experience in civil engineering and obtained an advanced degree in Civil and Environmental Engineering, focusing on groundwater and geotechnical engineering. In the past, Lindsay was employed at the Vermont Agency of Transportation, and ran an independent consulting business she developed. At the Agency she worked on a variety of civil engineering projects from design to construction. The projects included roadway and bridge design and rehabilitation, hydraulic analysis, geotechnical engineering and materials research. Lindsay's consulting business offered design of on-site water and wastewater systems in the state of Vermont. Lindsay has been employed at Applegate Group since January 2009.

Academic Experience

Lindsay gained experience in groundwater hydrology and geotechnical engineering while pursuing her PhD in Civil and Environmental Engineering. She completed advanced courses in groundwater; contaminant hydrogeology and remediation; soil behavior, including critical state soil mechanics and the design of earth structures; numerical methods; biological processes and geostatistics.

Lindsay's dissertation focused on the non-destructive evaluation of partially saturated geomaterials using acoustic techniques. A novel apparatus was developed through this research which allowed for the simultaneous measurement of the acoustic and hydraulic properties of laboratory sized soil samples. A peer reviewed journal article was published on the results of this research.

Recent Experience

Lindsay has worked with Applegate Group since January 2009, in this time she has been involved in a number of water resources projects. Lindsay has worked on a reservoir feasibility study, designed several canal structures and developed a groundwater model for a well yield analysis. She has also been involved in grant writing and permit applications.

Lindsay is passionate about renewable energy and has recently worked on several micro-hydro projects in Colorado. She has performed feasibility studies, engineering design and research on small hydro systems, primarily in existing irrigation infrastructure.