

Sustainable Clean Water and Energy

Regional Ground Water Modeling

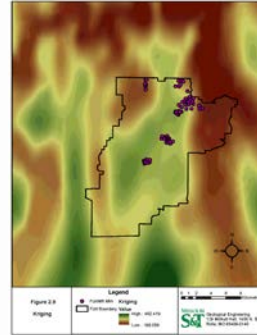
- Evaluate quality of data from monitoring wells throughout Fort Leonard Wood
- Identifying empirical variogram and kriging parameters to improve interpolation
- Develop regional ground water model

Clean Water Development

- Develop a pressurized, in-line treatment system for microbial removal of drinking water using ceramic disk technology
- Developing a trough-based system using sunlight for removal of low-level microbial contaminants in developing countries

Renewable Energy Research

- Characterizing battery technologies for microgrid-system optimization



Clockwise from Top: 1. FLW Regional GW Model, 2. Solar Trough, 3 and 4. Ceramic Disk Technology, and 5. Microgrid Battery Characterization

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Keywords

- #Ceramic Pot Filters, #Microgrid Performance, "Kriging Analysis, #Solar Water Treatment

Recognitions

- Member, American Society of Engineers (ASCE) Environmental & Water Resources Institute (EWRI)
- University of Missouri Faculty Scholars