

Karl Taboga
Geohydrologist
Wyoming State Geological Survey
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Biography: Karl Taboga has been a geohydrologist at the Wyoming State Geological Survey since 2012. He has more than 14 years of experience in surface and groundwater hydrology, environmental studies, and wetland and wildlife assessments. Prior to joining the WSGS, Karl worked for environmental consulting firms in Wyoming, Colorado, and New Jersey specializing in environmental permitting, produced water and wastewater management, and surface and groundwater modeling. On behalf of his industry clients, he worked along with the Wyoming Department of Environmental Quality to formulate state water policies pertaining to water co-produced with oil and gas development. He oversaw the work of hydrogeologists, field technicians and consultants, and prepared special reports related to surface and groundwater resources.



Workshop: *Exploring Groundwater* - The workshop will begin with participants learning about aquifers and how the earth helps purify our water. The experiment will involve constructing aquifers in a 2-liter bottle with different kinds of dirt, sand, rock, twigs, charcoal, etc. Participants will test their aquifers using specially prepared water to see how well they remove contaminants. The second experiment will focus on groundwater movement. Participants will predict how water will move through gravel, sand, and clay. They will use plastic cups, each filled with one of the materials. Colored water will then be poured into each of the cups for participants to observe.