

## **GIS APPLICATIONS IN HYDROGEOLOGY**

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### **Abstract**

Geographical Information Systems (GIS) provide an effective tool for integrating, interpreting and presenting vast amounts of hydrogeologic data. Converse has developed a collection of standard and customized uses to effectively manage hydrogeologic information on many of our projects. Three projects are presented which demonstrate the wide-ranging flexibility and effectiveness in which Converse has applied these GIS tools. 1) A multi-basin assessment of water resources in central Nevada, 2) A project to assess local groundwater conditions and site a municipal supply well in Elko County, Nevada, and 3) A risk assessment for a site with contaminated groundwater in Las Vegas.