

# Abstract

## **Customizing ArcView for the Evaluation of Monitoring-Well Networks**

**Track:** Water Resources

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Water-resource managers oftentimes balance water demand against impacts to lakes and wetlands caused by pumping from shallow aquifers. Monitoring systems assessing these impacts must be located at the proper places and proper times of the year. Recently, a toolset was developed in ArcView to assess the suitability of a monitoring well network being used by a major water supplier in the Western Florida area. These tools, coupled with the ArcGIS Geostatistical Analyst extension, employ an important utility for water-level uncertainty and sensitivity analysis to identify gaps in the current monitoring well network.

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