



East Multnomah County Groundwater Model, Oregon

Facility

East Multnomah County, Oregon, near Portland

Problem

Industrial ground-water contamination of VOCs threatened the municipal emergency groundwater supply system for the city of Portland.

The area is underlain by a complex aquifer system characterized by variable permeability, discontinuous hydrogeologic units, downcut river channels, and structural deformation.

SSP&A's Role

SSP&A developed, calibrated, and applied a three-dimensional ground-water flow model for the complex multi-aquifer system.

Status

The model has been used by the city to manage the emergency public water supply system and to aid in designing options for ground-water remediation.