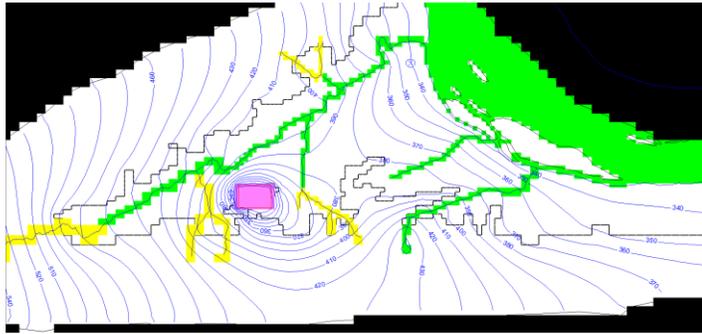




TIPS

Technical Innovation
And Professional
Services



Groundwater Vistas (GWV)

Groundwater Vistas (GWV) is used to model steady state and transient simulations of ground water flow systems. The software runs ground water models using the USGS three dimensional finite difference code MODFLOW and associated packages. GWV contains pre and post processors in Windows format that aid model formulation, and processing, display and interpretation of results. GWV contains several tools for calibrating models and sensitivity analysis. The software can be used to simulate mining effects in permitting, and in the design of abandoned mined land projects.

Key Features:

- Simulate ground water flow and solute transport in confined and unconfined aquifers in single or multi-layer models.
- Plot hydraulic head, drawdown and concentration in steady state or transient simulations.
- Data import and export including shapefiles, text and other common formats.
- Tools for sensitivity analysis and model calibration.
- Charting capabilities and tools for comprehensive graphical analyses.
- Collection of MODFLOW versions and related packages including MODPATH, MT3D, MODFLOW-SURFACT, SEAWAT, PEST, MODAC and others.
- Model results in contours, color floods, and vectors, in plan and cross section views, including fluid mass balance and cell by cell reporting.
- Comprehensive documentation including user manual, tutorials, command reference, and USGS reports.

Groundwater Vistas

The software is available under OSM's license management system Keyserver
For installation instructions see:

<http://www.tips.osmre.gov/Software/hydro/installation.shtml>

SMCRA BENEFITS/USES:

- Modeling impacts of mine dewatering on regional and local aquifers
- Modeling ground water flow in mine-pools
- Analyzing pre and post-mining conditions in ground water systems.
- Simulating solute transport in ground water

TIPS TRAINING

Training classes are offered on a bi-annual schedule

NEED HELP????

Contact Software Manager:
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