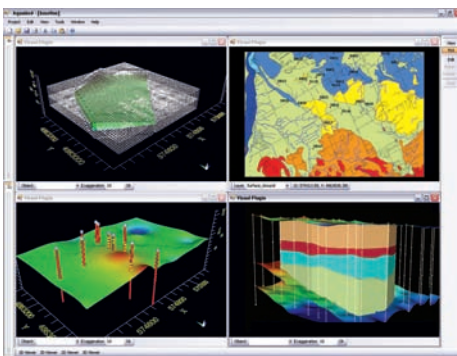


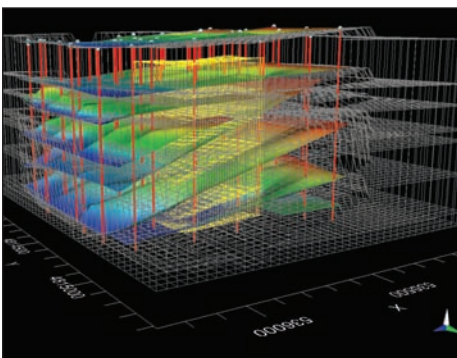
# Experience the Power of Conceptual Model Building

## Visual MODFLOW 3D-Builder

Introducing **Visual MODFLOW 3D-Builder\***, a dynamic software application for data conceptualization. This Visual MODFLOW add-on module provides the features and capabilities for streamlining simple or complex groundwater modeling workflows. From **raw data**, to the **conceptual model**, to the **numerical model**, Visual MODFLOW 3D-Builder will dramatically improve the way you build your groundwater models. Working with grid-independent data, you will quickly capture the essence of the groundwater flow system without being constrained by the model grid.



**Experience immediate results** - Within a single graphical user interface, you can visualize your model in several 2D and 3D perspectives. All views will be automatically updated as soon as you edit your data.



**Efficient Grid Refinement** - Design multiple local grids within your simulation domain and translate your output data to MODFLOW-2005 (LGR) input files.

### Powerful, Flexible, *Revolutionary*...

Visual MODFLOW 3D-Builder offers the power and flexibility for incorporating a wide variety of data sources during model development. This enables groundwater modelers to efficiently build detailed representations of the subsurface environment.

- **Build a conceptual model of the groundwater system, *prior to the simulation*** - Geologic formations, model properties, and boundary conditions are designed independent of the numerical grid; this provides the capability of adjusting your interpretations before converting to the numerical model.
- **Build the model with minimal data pre-processing** - Working with grid-independent data allows you to maximize the use of your existing GIS data and easily assign hydrogeologic conditions before designing the grid.
- **Generate and simulate regional and local-scale models** - Supported by MODFLOW-2005 (LGR), you may define localized grids for areas of interest directly within the 2D or 3D conceptual model. Use the calculated heads from your regional model as boundary conditions for your local-scale models.
- **Design the correct model faster** - Quickly generate and evaluate multiple model interpretations from your conceptual model without impacting the integrity of the original data.
- **Make changes to the model data and immediately see results** - The 2D or 3D conceptual model environment provides dynamic, multiple views whenever changes to the data are made.

Visual MODFLOW  
**3D-Builder**

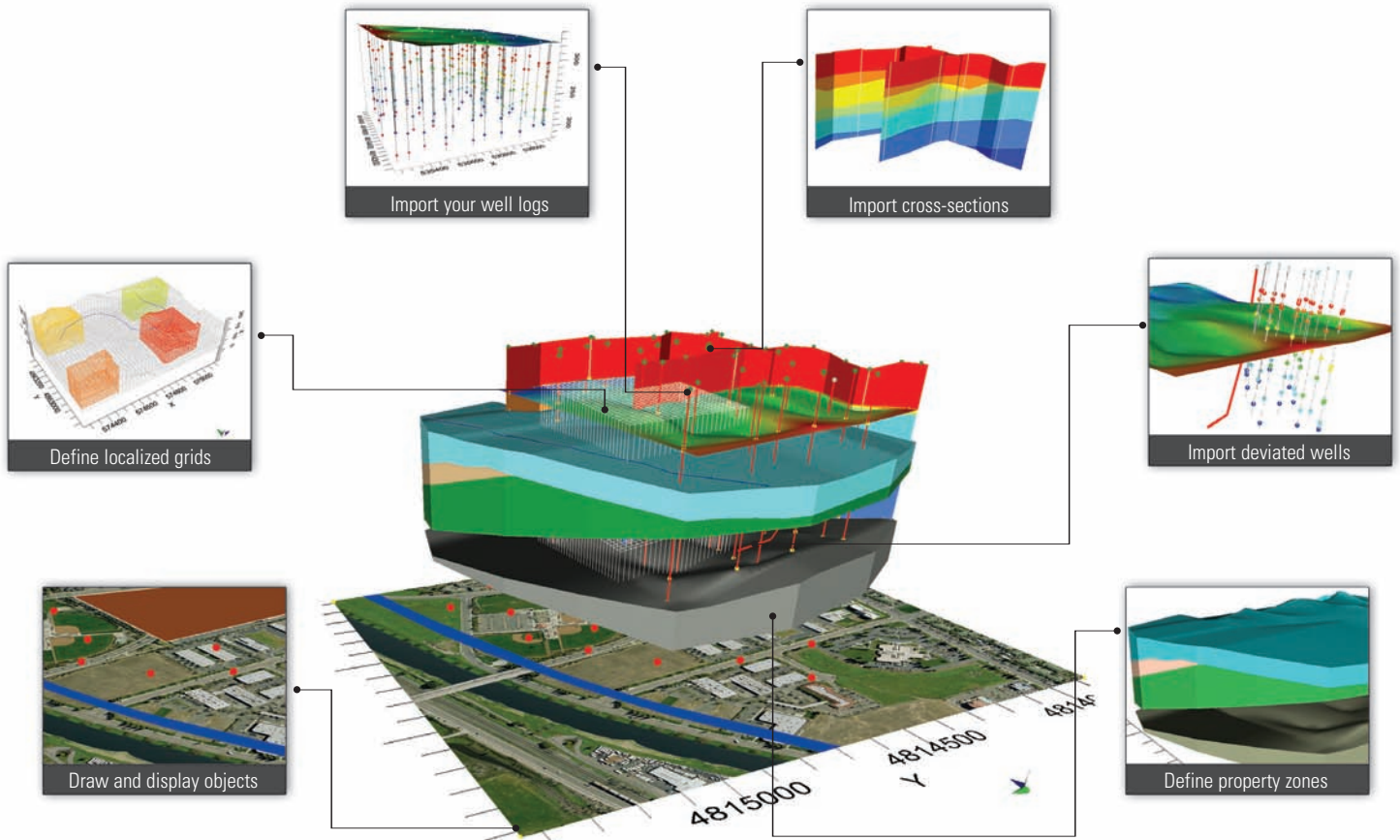


# Visual MODFLOW 3D-Builder



## Think Outside the Grid

Assign complex boundary conditions, model parameters, and stratigraphic representations. With Visual MODFLOW 3D-Builder, you can span the entire spectrum of your groundwater flow system before you translate the conceptual model to the simulation model grid.



## Accelerate Your Groundwater Modeling Workflow

From developing your conceptual model to creating the numerical grid, Visual MODFLOW 3D-Builder allows you to quickly populate the model using three different grid configurations and easily create the input files for Visual MODFLOW.

