VISUAL MODFLOW FLEX

Visual MODFLOW Flex groundwater modeling software is the industry standard for simulating groundwater flow and contaminant transport.

All-In-One Integrated Conceptual Modeling

Build faster and more efficiently: You’ll never have to rebuild your model again!

- **Easy updates**: Model inputs, grid design, and numerical engines can be updated at any point in the modeling process as modeling objectives change, more data is collected, and a better understanding of the sub-surface is achieved.
- **Direct integration**: Direct integration of numerous data formats including GIS data reduces the need for costly 3rd party pre-processing solutions and eliminates the error-prone process of transferring data back-and-forth between different platforms and formats.
- **Integrated modeling**: With integrated modeling, model inputs and outputs can be easily visualized alongside raw GIS field data in 3D.

Model With Confidence

Establish model credibility by demonstrating how numerical model data were generated from conceptual data.

- **Build larger, more complex models**: With 64-bit and multi-threading support, you can leverage extra memory and processing power available on 64-bit computers to rapidly simulate large and complex regional-scale groundwater systems.
- **Compare multiple models**: The unique design of Visual MODFLOW Flex permits easy side-by-side comparisons of multiple models allowing you to assess alternative modeling scenarios, grid discretizations, and hydrogeologic interpretations.

Visual Reporting

Visually stunning modeling capabilities.

- **Accurate models**: Calculated heads and pathlines can be displayed alongside conceptual model data to validate assumptions and further demonstrate model credibility.
- **3D models**: 3D conceptual modeling allows you to easily interpret and analyze raw GIS data in 2D, 3D, cross-sectional, and custom slice viewers.

Get Started Fast

Advance your knowledge and become an expert in no time. Access a wealth of learning and support resources including step-by-step tutorials, comprehensive user’s guide, videos, online training courses, free webinars, and customer support through your partnership with Waterloo Hydrogeologic.