What's New in Groundwater Vistas Version 7

Licensing & Operating Systems

- Native 64-bit Version of Groundwater Vistas & all models
    - Available in Standard Mode now with size limitations (see next page)!
    - Standard Mode now supports MODFLOW-USG in normal grids
- Supports 32-bit and 64-bit Versions of Windows XP, Vista, 7, 8, and 10
- HASP keys (dongles) allow us to provide upgrades via email (if you have version 6, you do not need a new dongle)

New Model Versions

- MODFLOW2005 Version 1.12
- MODFLOW-NWT Version 1.1.2
- MODFLOW-USG Version 1.3 & Beta Version
- MT3D-USGS (finally an update for MT3DMS)
- MODPATH Version 7
- MODFLOW-Surfact Version 4*
    - Including TMP1 Package for transient hydraulic property changes
    - Density-dependent Flow
    - MODHMS support for CHF, OLF, IPT (Professional & Premium only)
- PEST Version 14 (with BEOPEST)
- PEST_HP for highly parameterized inversions*
- Brute Force upgraded to work with any MODFLOW/MODPATH combination
- AlgoMesh Version 1.2 provided in Professional & Premium versions

MT3D Packages & Options

- MT3D-USGS – new version from USGS
- Contaminant Treatment System (CTS) Package
- Streamflow Transport (SFT) Package
- Lake Transport (LKT) Package
- Unsaturated Zone Transport (UZT) Package
- Chain decay and EA/ED Reactions

MODFLOW Packages & Options

- MODFLOW-USG option to only use active cells for significant runtime reduction
- Combine nested and Quadtree grids in same model with MODFLOW-USG
- Triangular and Voronoi grids for MODFLOW-USG (Professional & Premium only)
- MODFLOW-USG dual domain transport
- SAMG Solver for MODFLOW-USG and MODFLOW2005*
- Density-dependent transport in MODFLOW-USG Beta version
- Connect CLN Wells to CLN Polylines
- ETS and TVM2 Packages in MODFLOW-USG
- Specified Gradient boundary condition in MODFLOW-USG
- QRT Package in MODFLOW-USG allows return flow from CLNs

Groundwater Vistas Interface

- Hot-key to turn grid on/off
- Zoom to node in unstructured grids
- CLN report for MODFLOW-USG
- Mass balance calculations include connected linear networks
- Interface with Rockworks
- Import/Export CLN polyline files

Pest and Calibration

- Facilitate the use of Pest::Cloud (http://pest.cloud)
- Transient recharge pilot points
- Support for the new PEST_HP
- New censored range target
- Customized difference targets
- Standard Monte Carlo in addition to Null Space Monte Carlo (this replaces the old Stochastic MODFLOW/MT3D from older versions)
- MNW2/CLN Heads for multi-layer Calibration targets

Changes to Size Limitations

- Standard Version limited to 1,000,000 cells and 250 stress periods
- No size limitations in Advanced, Professional, and Premium versions
- Unlimited number of PEST parameters (GV6 was limited to 600)

* Requires additional purchase

Version 7 Costs

Standard Upgrade from v6 Standard:	$550
Advanced Upgrade from v6 Advanced:	$725
Pro Upgrade from v6 Professional	$1,150
Premium Upgrade from v6 Premium	$1,900
New Standard License	$1,650
New Advanced License	$2,250
New Professional License	$3,450
New Premium License	$4,600
Upgrade from Standard to Advanced	$600
Upgrade from Standard to Professional	$1,800
Upgrade from Advanced to Professional	$1,200
Upgrade from Advanced to Premium	$2,350

Note: Version 5 can no longer be upgraded.

Changes to Technical Support Policy

Technical support is free for versions 6 and 7. We also now have an extended technical support cost of $600 that applies in three situations:

1. Providing technical support for models with 2 million nodes or larger and/or run times of over 30 minutes. The fee covers one year.

2. Providing technical support for importing existing MODFLOW/MT3D/SEAWAT models created outside of normal GUI's (e.g. GMS, Visual MODFLOW, Groundwater Vistas). In this particular case, the support fee is for each such model.

3. Answering an unusual number of questions. This one will not be used often but we do reserve the right. The fee covers one year.

We only support the two most recent verions (6 & 7). Technical support for version 5 can be provided at an extended technical support cost of $600 per year.