

# Aquaveo News

April 2008  
Volume 1 Issue 3

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## GROUNDWATER MODELING SYSTEM (GMS) EDITION

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**SPECIAL OFFER:**  
*Upgrade to GMS v6.5 by  
June 1, 2008, and  
receive a complimentary  
ArcView GIS license with  
a full year of  
maintenance*

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## GMS 6.5

### A New Standard in Subsurface Modeling

GMS 6.5 sets a new standard in subsurface modeling. With GMS 6.5, you will have access to the following features:

#### New, improved online help “wiki”

The GMS help file has been converted into a “wiki” format, which can be constantly updated by anyone! This wiki is located at <http://xmswiki.com>

#### New UTEXAS slope stability interface

An exciting new model, UTEXAS, has been added to GMS. UTEXAS is a slope stability software package created by Dr. Stephen G. Wright of the University of Texas at Austin. UTEXAS is used to

Please see *GMS 6.5* on page 2

## Join the Aquaveo Team

Aquaveo is an exciting, growing company that is always looking for people who are excellent in every way-people who can get the job done. Aquaveo’s employees are the greatest asset we have. We believe in treating our employees well. We provide you with all the tools you need to succeed in your career. We offer a flexible work schedule, a good compensation rate, flexible work hours, and an ethical and family-oriented work environment.

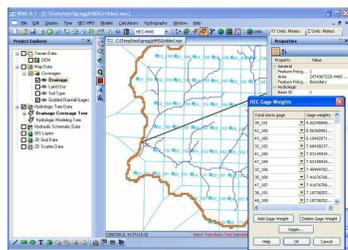
Aquaveo currently has several positions available. Currently, we need software developers to work on future versions of the Groundwater Modeling System (GMS). You will be working on a fast-paced software development team to design, develop, and test new functionality in GMS.

Please see *Careers* on page 3

## WMS 8.1 Beta Released

The WMS software development team is excited to announce the release of WMS 8.1 Beta!

WMS 8.1 has several new features that will help you create hydrologic and hydraulic models. Some of the most exciting features in WMS 8.1 are given here.



“As a part of the MODClark interface in WMS 8.1, an exciting new feature makes it easier for you to use NEXRAD RADAR rainfall data.”

### Storm water quality and quantity modeling with xpswmm and EPA SWMM

The Storm Water Management Model (SWMM) is a popular model used to simulate the hydrology and hydraulics of storm water runoff. SWMM is primarily used for urban areas, and can be used to model pipe networks and single event or long-term (continuous) runoff quantity and quality.

With WMS 8.1, you can delineate a watershed and then export the delineated watershed boundaries and the WMS-computed watershed data to xpswmm or EPA SWMM.

### Improved HMS interface and MODClark modeling support

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*GMS 6.5* from page 1

analyze slope stability using the limit equilibrium method.

UTEXAS4 is a state-of-the-art slope stability code and has been widely used in industry for many years. Existing UTEXAS models can be imported into GMS, or new models can be created from scratch.

UTEXAS has been integrated with SEEP2D, a 2D seepage analysis model that, when combined with UTEXAS in GMS 6.5, provides a complete and powerful 2D profile analysis solution.

### MODFLOW enhancements

A number of enhancements to GMS's MODFLOW interface have been included in GMS 6.5.

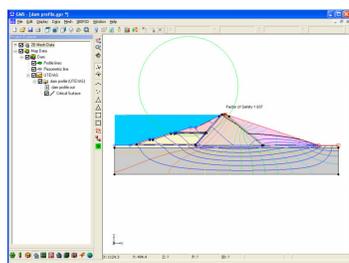
### KMZ file export

KMZ files can be exported from GMS and imported into Google Earth.

### More

See a full description of the new features in GMS 6.5 at:

[http://www.xmswiki.com/index.php?title=GMS:What%27s\\_New\\_in\\_GMS\\_6.5](http://www.xmswiki.com/index.php?title=GMS:What%27s_New_in_GMS_6.5)



“An exciting new slope stability model, UTEXAS, has been added to GMS 6.5.”

## The GMS, SMS, and WMS “wiki”, <http://xmswiki.com>

The GMS, SMS, and WMS (“XMS”) software developers have developed the xmswiki.com home page. Instead of the traditional XMS help files, all the help files are now available online from the xmswiki.com site. This help site uses the “Mediawiki” engine, which is the same code base used by Wikipedia to run their site. This means that anybody who knows about GMS, SMS, or WMS, including you, can modify a help topic or create a new topic. Be assured that the XMS software developers will monitor changes to the XMS wiki, so the xmswiki.com content will be accurate. But with this powerful online editing tool, the XMS help will be much more comprehensive and up-to-date. The xmswiki.com site also features a Google search engine, bringing the power of Google search to the GMS, SMS, and WMS help pages.

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*“The GMS, SMS, and WMS (“XMS”) software developers have developed the xmswiki.com home page...This help site uses the “Mediawiki” engine, which is the same code base used by Wikipedia to run their site.”*

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### *Careers from page 1*

Aquaveo is looking for both part-time and full-time programmers. Both positions require some understanding of and experience with the C++ programming language, and some amount of Computer Science education.

Aquaveo is also looking for engineers with experience in hydraulic and hydrologic modeling projects, especially those registered as professional engineers with a specialty in this field. For more information on Aquaveo or either of these exciting job opportunities, please visit Aquaveo’s web site at: <http://www.aquaveo.com/careers/>

*WMS 8.1 Beta Released* from page 2

Several improvements have been made to the HMS interface in WMS 8.1.

One of the most exciting improvements allows you to define a grid representing an HMS MODClark model at any resolution and compute a Curve Number, rainfall value, and travel time at each cell on the grid. The powerful MODClark modeling capabilities in WMS are not available in any other software product. As a part of the MODClark

interface in WMS 8.1, an exciting new feature makes it easier for you to use NEXRAD RADAR rainfall data.

## More

See a full description of the new features in WMS 8.1 Beta at:

[http://www.xmswiki.com/index.php?title=WMS:What%27s\\_new\\_in\\_WMS\\_version\\_8.1](http://www.xmswiki.com/index.php?title=WMS:What%27s_new_in_WMS_version_8.1)

## More on GMS and Upcoming Training Courses

### Want to do more with GMS?

GMS is a comprehensive graphical user environment for performing groundwater, seepage, and slope stability simulations. Contact sales by calling 801-302-1400 or emailing [sales@ems-i.com](mailto:sales@ems-i.com) to discover and purchase useful additions to your existing GMS license or to upgrade your version of GMS. If you would like to try any of the new modules, or if you want to demo GMS for a limited time, simply contact us for a temporary password at ([http://www.ems-i.com/Password\\_Requests/password\\_requests.html](http://www.ems-i.com/Password_Requests/password_requests.html)).

### Training

The Aquaveo staff is committed to providing training courses that improve your knowledge of the Groundwater Modeling System (GMS), Surfacewater Modeling System (SMS), and the

Watershed Modeling System (WMS) software. These are high quality, hands-on training courses taught by experienced instructors who are experts in their specialty. We also provide custom training and consulting services to your company on demand:

- **1D/2D Hydraulic Modeling with SMS and TUFLOW** (June 26-27, 2008 | Skipton, North Yorkshire, UK)
- **MODRAT & OC Hydrologic Modeling with WMS** (July 8-11, 2008 | Alhambra, California USA)
- **Groundwater Flow & Transport Modeling with GMS** (August 5-8, 2008 | Melbourne, Australia)
- **Groundwater Flow & Transport Modeling with GMS** (August 12-15, 2008 | Perth, Australia)

Hurry and register for these courses today before they are full! In addition to the new online help (<http://www.xmswiki.com/>) and the technical support staff (<http://www.aquaveo.com/technical-support/>), EMS-I and Aquaveo provide these training courses to help you use GMS, SMS, and WMS more effectively. Visit the training web page (<http://www.ems-i.com/Training/training.html>) to find a training course that meets your needs or call EMS-I at 1.801.302.1400 to learn about scheduling a custom training course or request consulting help on your project.



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