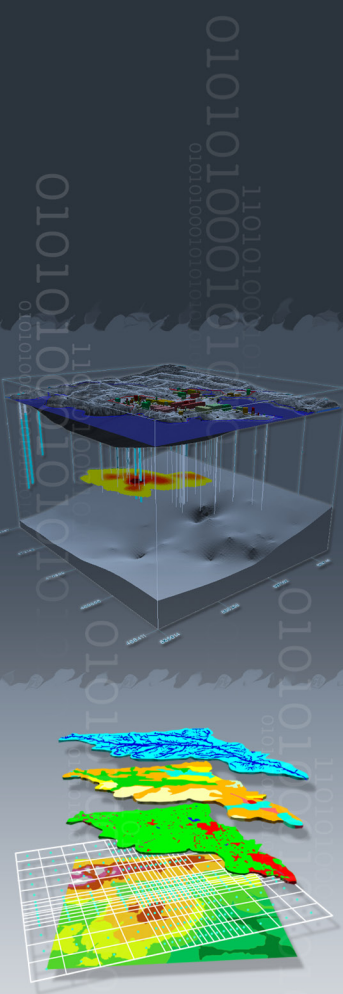




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MODFLOW-SURFACT™ and MODHMS® Citations List as of July 2011

Barron, O., Barr, A., Pollock, D., Dawes, W., Harris, B., and Wilkes, P. (2006). **Effect of urbanisation on groundwater resources and associated nutrient loads in the Southern River Catchment, WA.** *Proceedings of Enviro 06 Conference & Exhibition, 9-11 May 2006, Melbourne: e6316.*

Bedekar, V., S. Panday, H. Ahn, and F. Miralles-Wilhelm, 2006. **Surface-water Groundwater Interaction Model for Marsh Driven Operations to Manage the Ecosystem of the Rocky Glades, MODFLOW and More 2006** *Managing Groundwater Systems – Conference, Golden, CO., 2006.*

Beeson, P, Duffy, C, Springer, E, Panday, S. (2004). **Integrated Hydrologic Models for Closing the Water Budget: Whitewater River Basin, Kansas, Eos Trans. AGU, 85(47), Fall Meet. Suppl., Abstract H34B-05.**

Beeson, Peter, and Chris Duffy (2004). **Geodatabase Development in Support of Integrated Hydrologic Forecasting for an Ungaged Ephemeral Channel: Rio Salado , New Mexico.** *SAHRA Fourth Annual Meeting, "Focus on New Mexico" Albuquerque Marriott. October 13-15.*

Beeson, Peter C., and Christopher J. Duffy. (2005). **Integrated Hydrologic Forecasting for an Ungaged Ephemeral Watershed: Rio Salado, Middle Rio Grande New Mexico, M1 SAHRA Fifth Annual Meeting, "Putting Knowledge to Work" Tucson, Arizona. October 26-28.**

Beeson, Peter C., and Chris J. Duffy, (2006). **Testing the Value A-priori Data for a Physically Based Integrated Hydrologic Model in an Ungauged Basin: The Rio Salado, NM.** *SAHRA Sixth Annual Meeting - "Science Supporting Water Management". Phoenix, Arizona. M1. October 11-14.*

Braun, Christoph, and Christoph Schoepfer, 2006. **Simulation of Groundwater Driven Flood Risks, MODFLOW and More 2006** *Managing Groundwater Systems – Conference, Golden, CO., 2006.*

Doherty, J., 2001. **Improved Calculations for Dewatered Cells in MODFLOW.** *Ground Water, Vol. 39, No. 6, pp. 863-869.*

Deschaine, L. M., V. Guvanases, J. D. Pinter, and L. R. Townley (2011). **Optimised Planning for Management of Integrated Surface Water and Groundwater Systems.** *The 34th IAHR World Conference, Brisbane, Australia, 26 June – 1 July, 2011*

Deschaine, Larry M., Varut Guvanases, Don DeMarco, Xinyu Wei, János D. Pintér (2010). **Comprehensive Optimal Management Planning of Integrated Aquifer and Surface Water Resource Systems.** *7th Annual International Symposium on Managed Aquifer Recharge Abu Dhabi, 9 - 13 October 2010.*

Deschaine, Larry M., Peter Huyakorn, Varut Guvanases, and Theodore Lillys (2009). **FTMO: The Advancement of International Efforts in Environmental Simulation, Machine Learning and Optimization Produces an Optimal, Active and Responsive Environmental Response and Remediation Project Planning & Implementation Tool-kit.** *NIDA Environment, Energy, & Sustainability Symposium & Exhibition, 2009.*

Doherty, J., 2001. **Improved Calculations for Dewatered Cells in MODFLOW.** *Ground Water, Vol. 39, No. 6, pp. 863-869.*

MODFLOW-SURFACT™ and MODHMS® Citations List as of July 2011

Dougherty, David E. and Steven C. Young, 2003. **Hydrologic data assimilation applied to groundwater plume monitoring planning.** *MODFLOW and more 2003: Understanding through modeling, September 16-19, conference proceedings V.2 pp.528-532.*

Fairbanks Jeffrey, Sorab Panday and Peter S. Huyakorn, 2001. **Comparisons of Linked and Fully Coupled Approaches to Simulating Conjunctive Surface/Subsurface Flow and their Interactions.** *Proceedings MODFLOW 2001 Conference, Golden, Colorado, September 11-14. PP. 356-361.*

Fontaine, Russell C., Jeffrey Anderson, 2003. **A comparative study of percolation pond performance in heterogeneous dry soils using MODFLOW-SURFACT and FEFLOW.** *MODFLOW and more 2003: Understanding through modeling, September 16-19, conference proceedings V.2 pp.725-729.*

Gabora Michael, Vivek Bedekar, Bill Linderfelt and Andy Davis, 2006. **Integration of the LAK3 Package into MODFLOW-SURFACT to Simulate an Ephemeral Pit Lake, Northern California,** *MODFLOW and More 2006 Managing Groundwater Systems – Conference, Golden, CO., 2006. V.2, p.705.*

Gallagher, M. and Doherty, J. 2006. **Parameter interdependence and uncertainty induced by lumping in a hydrologic model.** *Water Resources Research, doi:10.1029/2006WR005347*

Guha, H. and Panday, S., 2005, **Application of a Density-Dependent Numerical Model to Assess Salinity Intrusion in the Biscayne Bay Aquifer, Northern Miami-Dade County, Florida.** *EOS, Transactions, Joint Assembly, American Geophysical Union, New Orleans, Louisiana. May 23-27, 2005.*

Guanasen, Varut, Xinyu Wei, Deyang Huang, Dilip Shinde, and Rene Price (2011). **Application of MODHMS to Simulate Integrated Water Flow and Phosphorous Transport in a Highly Interactive Surface Water Groundwater System along the Eastern Boundary of the Everglades National Park, Florida.** *MODFLOW and More 2011: Integrated Hydrologic Modeling The Colorado School of Mines, Golden, Colorado. June 5-8, 2011*

Guanasen, Varut, Xinyu Wei, Deyang Huang, Dilip Shinde, and Rene Price (2011). **Simulation of Water Flow and Phosphorous Transport in a Highly Interactive Surface Water Groundwater System in the S332 Detention Areas Upstream of Taylor Slough, Everglades National Park.** *GEER 2010 Greater Everglades Ecosystem Restoration. Naples, FL. July 12-16, 2010*

Guanasen, Varut, Vivek Bedekar, Dilip Shinde, and Rene Price (2010). **Development of a Flow and Transport Model in a highly Interactive Surface Water Groundwater System Near Everglades National Park in South Florida, USA.** *7th Annual International Symposium on Managed Aquifer Recharge Abu Dhabi, 9 - 13 October 2010.*

Guanasen, Varut, Markus Himml, and Bettina Buechler (2009). **Simulation of Kinetic-Limited Degradation of Multi-Component Hydrocarbons with particular consideration on the supply of electron acceptors.** *International Symposium on Efficient Groundwater Resources Management "The Challenge of Quantity and Quality for Sustainable Future", February 16-21, 2009. Bangkok, Thailand*

MODFLOW-SURFACT™ and MODHMS® Citations List as of July 2011

Guvanasen, Varut, Ming-Shu Tsou, Xinyu Wwi, and Patrick Burger (2009). **Development Of a Large-Scale Three-Dimensional Density-Dependent Saltwater Intrusion Model for the Tiger Bay Area, Florida, USA.** *International Symposium on Efficient Groundwater Resources Management “The Challenge of Quantity and Quality for Sustainable Future”, February 16-21, 2009. Bangkok, Thailand.*

Guvanasen, Varut, Sarah Frost, Ching-Tzu Huang, and Patrick Burger, 2003. **Development of a large-Scale Three-Dimensional Density Dependent Saltwater Intrusion Model for an East-Central Florida Region.** *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19. V.1, pp.881-885.*

Hay David, Jeff Wright, and Jason Rose, 2003. **Simulating Underground Mine Inflows and Dewatering with MODFLOW-SURFACT.** *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19, V.1, pp. 413-417.*

Hopmans, J. W., G. Schoups, K. K. Tanji, and W. W. Wallender (2005). **Integrated modeling of regional-scale flow and reactive salt transport in the western San Joaquin Valley.** *Eos Trans. AGU, 86(18), Jt. Assem. Suppl., Abstract H21B-07.*

Hopmans, J. W., and G. Schoups (2005). **Regional-scale hydrologic modeling of flow and reactive salt transport in the San Joaquin Valley.** *Eos Trans. AGU, 86(52), Fall Meet. Suppl., Abstract H41G-01, INVITED.*

Hopmans, J. W., and G. Schoups 2006. **Integrated Modeling of Regional-Scale Flow and Reactive Salt Transport in the Western San Joaquin Valley.** *MODFLOW and More 2006 Managing Groundwater Systems – Conference, Golden, CO., 2006. V.2, p.609.*

Huang, Deyang, Xinyu Wei, Prashanth Khambhammettu, Jan Kool, and Ming-shu Tsou (2011). **A Methodology to Simulate Streamflow Losses and Groundwater – Surface Water Interactions due to Karst Sink Holes.** *MODFLOW and More 2011: Integrated Hydrologic Modeling The Colorado School of Mines, Golden, Colorado. June 5-8, 2011*

Hyun Yunjung, Kang-Kun Lee, and Yoon Young Kim, 2006. **Consequence of Groundwater-Surface Water Interactions for Groundwater Contamination in a Variably Saturated Aquifer,** *MODFLOW and More 2006 Managing Groundwater Systems – Conference, Golden, CO., 2006. V.1, p. 150.*

Hay David, Jeff Wright, and Jason Rose, 2003. **Simulating Underground Mine Inflows and Dewatering with MODFLOW-SURFACT.** *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19, V.1, pp. 413-417.*

Johnson, R. L., R. B. Thoms, and J. S. Zogorski, 2003. **Effects of Daily Precipitation and Evapotranspiration Patterns on Flow and VOC Transport to Groundwater along a Watershed Flow Path.** *Environmental Science & Technology, Vol. 37, No. 21, pp. 4944-4954*

Jones, Walter, Sorab Panday, Sarah Frost, and Brian McGurk. **Surface/ Subsurface Modeling of Western Orange and Seminole Counties of Florida.** *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19. V. 1, pp. 129-133.*

MODFLOW-SURFACT™ and MODHMS® Citations List as of July 2011

Kalf, Frans and Donald R Woolley, 2005. **Applicability and Methodology of Determining Sustainable Yield in Groundwater Systems**, *Theme issue Journal of Hydrogeology Vol 13, Number 1 - March 2005 pages 295-312*

Khambhammettu, Prashanth, Jan Kool, Ming-Shu Tsou, Peter Huyakorn, and Michael Beach (2009). **Modeling the Surface-Water Groundwater Interactions in the Peace River Basin, Florida, USA**. *International Symposium on Efficient Groundwater Resources Management "The Challenge of Quantity and Quality for Sustainable Future"*, February 16-21, 2009. Bangkok, Thailand.

Langevin, C., G. Oude Essink, S. Panday, M. Bakker, H. Prommer, E. Swain, W. Jones, M. Beach, and M. Barcelo, 2003. **MODFLOW-Based Tools for Simulation of Variable-Density Groundwater Flow IN Coastal Aquifer Management-Monitoring, Modeling, and Case Studies**, Ed. Cheng, A. H.-D., and D. Ouazar, CRC Press.

Lee, Sam, and Sorab Panday, 2006. **Three-Dimensional Seepage Analysis through Fordyce Dam**. *Joint Eighth Federal Interagency Sedimentation Conference and Third Federal Interagency Hydrologic Modeling Conference April 2 – 6, 2006 Silver Legacy Hotel, Reno, Nevada*

Leppert, Shawn, 2006. **Hydraulic Property Distribution Estimation through Groundwater Modeling of the Observed Effects from "Uncontrolled" Resident Hydraulic Stress**, *MODFLOW and More 2006 Managing Groundwater Systems – Conference, Golden, CO., 2006. V.2, p. 496.*

Mc Alister, D. J., J. Arunakumaren, and T. Grantham, 2002. **Impact of Surface Clogging on Artificial Recharge**. *Institute of Engineers, Australia, Conference Proceedings, pp 1-6.*

Mock Peter and William Greenslade, 2003. **MODFLOW Simulation of an Extensive Fractured Sedimentary Rock Aquifer System in Northeastern Arizona**. *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19. V.2, pp. 565-569.*

Mooder, Brent, 2003. **Application of MODFLOW to a proposed open pit mine in northern Alberta**. *MODFLOW and more 2003: Understanding through modeling, September 16-19, conference proceedings V.1 pp.393-397.*

Panday Sorab, Peter S. Huyakorn, and J. Van der Kwaak, 1998. **Rigorous Coupling of Surface Water and Vadose Zone Flow with MODFLOW**. *Proceedings MODFLOW 1998 Conference, Golden, Colorado, October 4-8. PP. 707-714.*

Panday, Sorab, and Peter. S. Huyakorn, 2001. **MODFLOW Enhancements for Robust, Reliable Simulations of Complex Environmental Flow and Contaminant Transport Situations**. *Advances in Porous Media, Volume 4.*

Panday, Sorab, Walter Jones, and Brian McGurk, 2003. **Surface/Subsurface Interaction Modeling of Western Orange and Seminole Counties, Florida**. *ASCE World Water & Environmental Resources Congress, June 23 – 26, 2003, Philadelphia, PA, USA.*

Panday, Sorab, 2003. **Multi-Scale Conjunctive Modeling of Surface and Subsurface Flow**. *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19. V.1, p. 7.*

MODFLOW-SURFACT™ and MODHMS® Citations List as of July 2011

Panday, Sorab, Peter. S. Huyakorn, and Walter Jones, 2003. **An Effective Numerical Approach for Multi-Scale Conjunctive Modeling of Surface-Subsurface Flow and Solute Transport**, *California Water and Environment Modeling Forum, Asilomar, CA*

Panday, Sorab, and Peter. S. Huyakorn, 2004. **A Fully-Coupled Physically-Based Spatially Distributed Model for Evaluating Surface/Subsurface Flow**. *Advances in Water Resource Vol. 27, pp. 361 - 382.*

Panday, Sorab, and Brian McGurk, 2006. **An Integrated Surface Subsurface Model in Western Orange and Seminole Counties, Florida**, *Joint Eighth Federal Interagency Sedimentation Conference and Third Federal Interagency Hydrologic Modeling Conference April 2 – 6, 2006 Silver Legacy Hotel, Reno, Nevada*

Peng, W-S., D. R. Hampton, L. F. Konikow, K. Kambham, and J. J. Benegar, 2000. **Can Contaminant Transport Models Predict Breakthrough?** *Groundwater Monitoring and Remediation, Vol. 20, No. 4, pp. 104-113.*

Schoups, G., J. W. Hopmans, C. A. Young, J. A. Vrugt, and W. W. Wallender (2005). **Multi-criteria optimization of a regional spatially-distributed subsurface water flow model**. *Journal of Hydrology, 311(1-4), 20-48.*

Schoups, G., J. W. Hopmans, C. A. Young, J. A. Vrugt, W. W. Wallender, K. K. Tanji, and S. Panday (2005). **Sustainability of irrigated agriculture in the San Joaquin Valley, California**. *Proceedings of the National Academy of Sciences, 102, 15352-15356.*

Schoups, G., J. W. Hopmans, C. A. Young, J. A. Vrugt, and W. W. Wallender (2004). **Parameter uncertainty analysis of a regional subsurface water flow model using single and multi-objective calibration**. *Eos Trans. AGU, 85(47), Fall Meet. Suppl., Abstract H13A-0399.*

Schoups, G. (2004). **Regional-scale hydrologic modelling of subsurface water flow and reactive salt transport in the western San Joaquin Valley**. *Seminar presented at Stanford University, Department of Geological and Environmental Sciences, 11 November 2004, Stanford, California.*

Schoups, G. (2004). **Regional-scale hydrologic modeling of subsurface water flow and reactive salt transport in the western San Joaquin Valley, California**. *Dissertation. University of California Davis.*

Schoups, G., C. A. Young, J. Vrugt, J. W. Hopmans, and W. W. Wallender (2002). **Estimating vadose zone hydraulic properties of tile-drained fields using inverse modeling**. *Eos Trans. AGU, 83(47), Fall Meet. Suppl., Abstract H12A-0914.*

Tsou, Ming-Shu, Kan Tu, Jan Kool, Christopher J. Neville, and Steven C. Young, 2003. **Comparison of Three Numerical Models for Chain-Decay Transport Simulation at a Closed AFB in Texas**. *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19. V.1, pp. 423-427.*

Tu Kan, Jan Kool, Varut Givanasen, and Ming-Shu Tsou, **Assessment of LNAPL Source Zone and Impacts on Longevity of Dissolved Phase Benzene Plume**, *MODFLOW and More 2006 Managing Groundwater Systems – Conference, Golden, CO., 2006. V.2, p.629.*

MODFLOW-SURFACT™ and MODHMS® Citations List as of July 2011

- Vrugt, J. A., G. Schoups, J. W. Hopmans, C. A. Young, W. W. Wallender, T. H. Harter, and W. Bouten (2003). **Identification of spatially distributed soil hydraulic properties in hydrologic modeling using global optimization.** *Eos Trans. AGU*, 84(46), Fall Meet. Suppl., Abstract H111-03.
- Vrugt, J. A., G. Schoups, J. W. Hopmans, C. A. Young, W. W. Wallender, T. H. Harter, and W. Bouten (2004). **Inverse modeling of large-scale spatially-distributed vadose zone properties using global optimization,** *Water Resources Research*, doi:10.1029/2003WR002706.
- Wei, X., V. Guvanasen, M-S. Tsou (2009). **Uncertainty Analysis of a Regional Groundwater Model. The 7th Model CARE 2009 conference.** Wuhan, China. September 20th—23rd, 2009
- Werner AD, Bajracharya K (2005). **Seawater intrusion in the Pioneer Valley, North-Eastern Australia – Threedimensional regional-scale modelling.** In *Proceedings of Where Waters Meet Conference, 28 November-2 December 2005, Auckland*
- Werner, Adrian, Andrew Durick, Sean Murphy, Mark Gallagher, 2005. **A Fully Integrated, Surface-Subsurface Flow Model of Sandy Creek and Pioneer Valley Aquifers, Northern Queensland,** *GROUNDWATER SURFACE WATER INTERACTION IN THE TROPICS Darwin, Northern Territory, Australia. 26 – 27 May 2005*
- Werner AD, Murphy SF, Reading LP, McDonell ML, McMahon GA (2005). **Seawater intrusion in the Pioneer Valley, North-eastern Australia – Conceptualization and implications to numerical model development.** In *Proceedings of Where Waters Meet Conference, 28 November-2 December 2005, Auckland*
- Werner, A.D., Gallagher, M.R. 2006. **Characterisation of sea-water intrusion in the Pioneer Valley, Australia using hydrochemistry and three-dimensional numerical modelling,** *Hydrogeology Journal*, DOI 10.1007/s10040-006-0059-7.
- Werner, A.D., Gallagher, M.R., Weeks, S.W. 2006. **Regional-scale, fully coupled modelling of stream-aquifer interaction in a tropical catchment,** *Journal of Hydrology*, 328(3-4), 497-510.
- Young Charles, G. Schoups, K. Ward, J. Hopmans, W. Wallender, R. Howitt, K. Tanji, T. Hsiao, S. Ustin, T. Harter and G. Fogg, 2003. **Construction of a Regional Scale Variably Saturated Flow Model: Grid-Scale Issues.** *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19, V.2, pp. 735-739.*
- Young, Steven C., Trevor Budge, Sorab Panday, Derral Van Winke, Dave Huntley, and Robert Frank, 2003. **Simulation of Dissolution and Vapor Partitioning from LNAPL using a MODFLOW-compatible Transport Code.** *Proceedings MODFLOW 2003 Conference, Golden, Colorado, September 17-19.*
- Young Chuck, Wesley Wallender, Gerrit Schoups, Graham Fogg, Sorab Panday, Jan Hopmans, Thomas Harter, Ted Hsiao, Ken Tanji, Kristen Ward, Richard Howitt, 2007. **Modeling Shallow Water Table Evaporation in Irrigated Regions,** *Irrigation and Drainage Systems*, 21(2), 119-132.