

## References

- AbbottCunge:1982** .....  
Abbott, M. B. and J. A. Cunge (1982).  
*Engineering Applications of Computational Hydraulics*.  
Pitman, London: Publisher Not Known.
- Abbott:1998** .....  
Abbott, M. B. (1998).  
*Computational Hydraulics*.  
Aldershot, Hampshire: Ashgate Publishing Company.
- Abbottetal:1986a** .....  
Abbott, M., J. Bathurst, J. Cunge, P. O'Connell, and R. Rasmussen (1986a).  
An introduction to the European Hydrological System, "System Hydrologique  
European", (SHE), 1: A structure of a physically based, distributed modeling  
system.  
*Journal of Hydrology* 87, 61–77.
- Abbottetal:1986b** .....  
Abbott, M., J. Bathurst, J. Cunge, P. O'Connell, and R. Rasmussen (1986b).  
An introduction to the European Hydrological System, "System Hydrologique  
European", (SHE), 2: History and philosophy of a physically based, distributed  
modeling system.  
*Journal of Hydrology* 87, 45–59.
- Ahujaetal:1993** .....  
Ahuja, R., T. Magnanti, and J. Orlin (1993).  
*Network Flows: Theory, Algorithms, and Applications*.  
Prentice Hall.
- AkanYen:1981** .....  
Akan, O. and B. C. Yen (1981, April).  
Diffusion-wave flood routing in channel networks.  
*ASCE Journal of Hydraulics Division* 107(6), 719–732.
- ArcementSchneider:1989** .....  
Arcement, G. J. and V. Schneider (1989).  
Guide for selecting Mannings roughness coefficient for natural channels and  
floodplains.  
Water Supply Paper 2339, United States Geological Survey, Washington D.C.  
38 p.
- Balayetal:2001** .....  
Balay, S., W. Gropp, D. Kushik, L. McInnes, and B. Smith (2001).  
*(PETSC) Users Manual, ANL-95/11 - Revision 2.1.3*.  
Argonne, Illinois: Argonne National Laboratory.

- Barnes:1967** .....  
Barnes, Jr., H. H. (1967).  
Roughness characteristics of natural channels.  
Water Supply Paper 1849, United States Geological Survey, Washington D.C.
- Bear:1979** .....  
Bear, J. (1979).  
*Hydraulics of Groundwater*.  
New York: McGraw-Hill Inc.
- Blench:1970** .....  
Blench, T. (1970).  
Regime theory design of canals with sand beds.  
*Journal of the Irrigation and Drainage Division, ASCE 96(IR2)*, 205–213.  
Proc. Paper 7381.
- Bodhaine:1982** .....  
Bodhaine, G. (1985).  
*Measurement of Peak Discharge at Culverts by Indirect Methods*, Volume Book 3.  
WA: United States Geological Survey.
- BosakBray:1999** .....  
Bosak, J. and T. Bray (1999, May).  
XML and the second generation web.  
*Scientific American*, 89–93.  
<http://fox.rollins.edu/~tclairson/ecom/xmlsciam.html>.
- Brateretal:1996** .....  
Brater, E. F., H. W. King, J. E. Lindell, and C. Y. Wei (1996, March 01).  
*Handbook of Hydraulics*.  
McGraw-Hill Professional.
- Brionetal:2001** .....  
Brion, L., S. Senarath, A. M. W. Lal, and M. Belnap (2001, May 20-24).  
Application of the South Florida Regional Simulation Model in the Southern  
Everglades.  
In B. K. Panigrahi (Ed.), *Proceedings of the Specialty Symposium Held in Con-  
junction With the World Water and Environmental Resources Congress*, 1801  
Alexander Bell Drive, Reston, Virginia 20191-4400, pp. p. 110. Environmental and  
Water Resources Institute of ASCE: American Society of Civil Engineers.
- Brionetal:2000** .....  
Brion, L., S. Senarath, and A. Lal (2000, Dec 11-15).  
Concepts and algorithms for an integrated surface water/groundwater model for  
natural areas and their applications.  
In *Greater Everglades Ecosystem Restoration (GEER) Conference*, Naples, Florida.

- USACE:2002** .....  
Brunner, G. W. (2002, November).  
*HEC-RAS River Analysis System Hydraulic Reference Manual* (Version 3.1 ed.).  
USACE-HEC 609 Second Stree Davis CA 95616-4687: United States Army Corps  
of Engineers.  
[http://www.hec.usace.army.mil/software/hec-ras/documents/hydrref/cvr\\_incvr.toc.pdf](http://www.hec.usace.army.mil/software/hec-ras/documents/hydrref/cvr_incvr.toc.pdf).
- BPR:1965** .....  
Bureau of Public Roads (1965).  
Hydraulic charts for the selection of highway culverts.  
Hydraulic Engineering Circular 5, U.S. Department of Commerce, Washington  
D.C.
- BR:1977** .....  
Bureau of Reclamation (1977).  
Design of small dams.  
Water resources technical publication, Bureau of Reclamation, Washington D.C.
- Chanson:1999** .....  
Chanson, H. (1999).  
*The Hydraulics of Open Channel Flow*.  
New York: John Wiley and Sons Inc.,.
- Chowetal:1988** .....  
Chow, V., D. Maidment, and L. Mays (1988).  
*Applied Hydrology*.  
New York, NY: McGraw-Hill Book Company.
- Chow:1959** .....  
Chow, V. (1959).  
*Open Channel Hydraulics*.  
NY: McGraw-Hill Book Company.
- CordesPutti:1996** .....  
Cordes, C. and M. Putti (1996).  
Triangular mixed finite elements versus the finite volumes in groundwater modeling.  
In A. A. et al. (Ed.), *Int. Conf. Comp. Meth. Water Res. XII*, Southampton,  
London, pp. 61–68. Computational Mechanics.
- Cowan:1956** .....  
Cowan, W. (1956).  
Estimating hydraulic roughness coefficients.  
*Agricultural Engineering* 37(7), 473–475.
- Cunninghametal:2004** .....  
Cunningham, K. J., J. L. Carlson, G. L. Wingard, E. Robinson, and M. A. Wacker  
(2004).  
Characterization of aquifer heterogeneity using cyclostratigraphy and geophysical  
method in the upper part of the karstic Biscayne aquifer, southeastern Florida.  
Water Resources Investigations Report 03-4208, United States Geological Survey.

- DHI:1998** .....  
Danish Hydraulic Institute (1998).  
*User's Manual and Technical References for MIKE-11.*  
Denmark: Danish Hydrologic Institute.
- DHI:1997** .....  
Danish Hydrologic Institute (1997).  
*Mike 11 Version 3.2 Reference Manual, First Edition.*  
Denmark: Danish Hydrologic Institute.  
<http://www.dhisoftware.com/mike11/index.htm>.
- EmersonCant:1996** .....  
Emerson, D. and R. Cant (1996).  
Direct simulation of turbulent combustion on the cray t3d - initial thoughts and impressions from an engineering perspective.  
*Parallel Computing.*
- Evans:2000** .....  
Evans, R. (2000).  
*Calibration and verification of the MODBRANCH numerical model of South Dade County, Florida.*  
USACE.  
169 p.
- Fan:1986** .....  
Fan, A. (1986).  
A routing model for the upper Kissimmee chain of lakes.  
Technical Publication 86-5, South Florida Water Management District, West Palm Beach, FL.
- Fasken:1963** .....  
Fasken, G. (1963).  
Guide for selecting roughness coefficient n values for channels.  
Technical report, Soil Conservation Service, US Department of Agriculture, Washington D.C.  
45 p.
- FHA:1984** .....  
Federal Highway Administration (1984).  
Guide for selecting Mannings roughness coefficients for natural channels and flood plains.  
Technical Report FHWA-TS-84-204, Federal Highway Administration, McLean, Virginia.  
45 p.

- FHA:1985** .....  
Federal Highway Administration (1985, September).  
Guide for selecting Mannings roughness coefficients for natural channels and flood plains.  
Hydraulic Design Series 5, Federal Highway Administration, U.S. Department of Transportation, Washington, D.C.
- FennemaChaudhry:1990** .....  
Fennema, R. J. and M. H. Chaudhry (1990).  
Explicit methods for 2d transient free-surface flows.  
*Journal of Hydraulic Engineering, ASCE 116(8)*, 1013–1034.
- Fennemaetal:1994** .....  
Fennema, R. J., C. J. Neidrauer, R. A. Johnson, T. K. McVicar, and W. A. Perkins (1994).  
*A computer model to simulate natural everglades hydrology.*  
Everglades, The Ecosystem and its Restoration. Florida: St. Lucie Press.  
Eds. Davis, S. M. and Ogden, J. C.
- Flaigetal:2005** .....  
Flaig, E., R. VanZee, and W. Lal (2005).  
Hydrologic process modules of the regional simulation model: An overview.  
HSE White Paper.
- FordFulkerson:1962** .....  
Ford, L. and D. Fulkerson (1962).  
*Flows in Networks.*  
Princeton University Press.
- French:1985** .....  
French, R. (1985).  
*Open-Channel Hydraulics.*  
New York: McGraw-Hill Book Company.
- GoodeAppel:1992** .....  
Goode, D. and C. Appel (1992).  
Finite-difference interblock transmissivity for unconfined aquifers and for aquifers having smoothly varying transmissivity.  
Water-resources investigations report 92-4124, United States Geological Survey.  
79 p.
- Guptaetal:1997** .....  
Gupta, A., G. Karypis, and V. Kumar (1997).  
Highly scalable parallel algorithms for sparse matrix factorization.  
*IEEE Trans. Parallel Distrib. Syst.* 8(5), 502–520.
- Hirsch:1989** .....  
Hirsch, C. (1989).  
*Numerical Computation of Internal and External Flows, Computational Methods for Inviscid and Viscous Flows.*  
Wiley Series in Numerical Methods in Engineering. New York: Wiley.

- Hromadkaetal:1987 .....  
Hromadka II, T., R. McCuen, and C. Yen (1987).  
Comparison of overland flow hydrograph models.  
*Journal of Hydrologic Research, ASCE 113*(11), 1422–1440.
- HuberDickinson:1988 .....  
Huber, W. and R. Dickinson (1988).  
*Storm Water Management Model User's Manual* (Version 4 ed.).  
Athens, Georgia: United States Environmental Protection Agency.  
EPA/600/3-88/001a (NTIS PB88-236641/AS).
- HEC:1994a .....  
Huber, W. and R. Dickinson (1994).  
*HECDSS, Users Guide and Utility Programs Manual*.  
Davis CA: United States Army Corps of Engineers.  
<http://modeling.water.ca.gov/delta/models/dss/>.
- HGL:2000 .....  
HydroGeoLogic (2000).  
*MODFLOW-HMS: A Comprehensive MODFLOW-Based Hydrologic Modeling System: Software Documentation*.  
Herndon, Virginia: HydroGeoLogic, Inc.
- HEC:1994b .....  
Hydrologic Engineering Center (1994, October).  
*HEC-DSS User's Guide and Utility Manuals: User's Manual*.  
Davis CA: United States Army Corps of Engineers.  
<http://modeling.water.ca.gov/delta/models/dss/>.
- HEC:2000 .....  
Hydrologic Engineering Center (2000, March).  
*Hydrologic Modeling System (HECHMS): Technical Reference Manual*.  
Davis CA: United States Army Corps of Engineers.  
<http://www.waterenr.com/HECHMS.html>.
- KadlecKnight:1996 .....  
Kadlec, R. H. and R. L. Knight (1996).  
*Treatment Wetlands*.  
Boca Raton, Florida: Lewis Publishers.
- KingBrater:1963 .....  
King, H. and E. Brater (1963).  
*Handbook of Hydraulics* (Fifth ed.).  
New York, NY: McGraw-Hill Book Company.

- Laletal:1997** .....  
Lal, A. M. W., J. Obeysekera, and R. VanZee (1997, August 10-17).  
Sensitivity and uncertainty analysis of a regional simulation model for the natural system in South Florida.  
In *Proceedings of the 27th Congress of the IAHR/ASCE Conference*, San Francisco, California, pp. 560–565.  
<http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/sens.iahr.pdf>.
- Laletal:2005** .....  
Lal, A. M. W., R. VanZee, and M. Belnap (2005, April).  
Case study: Model to simulate regional flow in South Florida.  
*Journal of Hydraulic Engineering, ASCE 131(4)*, 247–258.  
<http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/oodpaper.pdf>.
- LalVanZee:2005** .....  
Lal, A. M. W. and R. VanZee (2005, May 15-19).  
Calibration of bulk aquifer parameters of regional models using hydraulic disturbances.  
In *Proceedings of EWRI*, Anchorage, AK. EWRI World Water and Environmental Resources Congress.
- Laletal:2004** .....  
Lal, A. M. W., R. Van Zee, and D. Welter (2004, May 17-21).  
An integrated river basin model to investigate upland and sub-surface hydrology of the kala-oya basin.  
In *Proceedings of the Tenth Asian Congress of Fluid Mechanics*, Peradeniya, Sri Lanka.  
[http://gwmftp.jacobs.com/Peer\\_Review/kala\\_pera.pdf](http://gwmftp.jacobs.com/Peer_Review/kala_pera.pdf).
- LalVanZee:2003** .....  
Lal, A. M. W. and R. Van Zee (2003, June 23-26).  
Error analysis of the finite volume based regional simulation model RSM.  
In *Proceedings of the World Water and Environmental Resources Congress*, Philadelphia, Pennsylvania.  
[http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/hse\\_err.pdf](http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/hse_err.pdf).
- Lal:1993** .....  
Lal, A. M. W. (1993, June).  
Calibration of bed roughness using singular value decomposition.  
In *Proceedings of the Eleventh Canadian Hydrotechnical Conference*, Fredericton, NB, Canada,.
- Lal:1995** .....  
Lal, A. M. W. (1995).  
Calibration of riverbed roughness.  
*Journal of Hydraulic Engineering, ASCE 121(9)*, 664–671.  
[http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/calib\\_jo.pdf](http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/calib_jo.pdf).

- Lal:1998b .....  
 Lal, A. M. W. (1998a, April).  
 Performance comparison of overland flow algorithms.  
*Journal of Hydraulic Engineering, ASCE 124(4)*, 342–349.  
[http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/alg\\_pap2.pdf](http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/alg_pap2.pdf).
- Lal:1998c .....  
 Lal, A. M. W. (1998b, August 3-7).  
 Selection of spatial and temporal discretization in wetland modeling.  
 In *Proceedings of the International Water Resources Engineering Conference*,  
 Memphis, Tennessee, pp. 604–609.  
<http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/resolution.pdf>.
- Lal:1998a .....  
 Lal, A. M. W. (1998c, August 3-7).  
 Simulation of overland and groundwater flow in the Everglades National Park.  
 In *Proceedings of the International Water Resources Engineering Conference*,  
 Memphis, Tennessee, pp. 610–615.  
[http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/abs\\_tenn1.pdf](http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/abs_tenn1.pdf).
- Lal:1998d .....  
 Lal, A. M. W. (1998d, September).  
 Weighted implicit finite-volume model for overland flow.  
*Journal of Hydraulic Engineering, ASCE 124(9)*, 941–950.  
<http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/poly.pdf>.
- Lal:2000c .....  
 Lal, A. M. W. (2000a, July).  
 An analytical solution for the stream-aquifer interaction problem.  
 In *Proceedings of the EWRI Watershed Management 2000 Conference*, Colorado  
 State University, Fort Collins, Colorado.  
[http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/ovlcan\\_abs.pdf](http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/ovlcan_abs.pdf).
- Lal:2000a .....  
 Lal, A. M. W. (2000b, July).  
 Modification of canal flow due to stream-aquifer interaction.  
*Journal of Hydraulic Engineering, ASCE 127(7)*, 567–576.  
<http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/ovlcan.pdf>.
- Lal:2000b .....  
 Lal, A. M. W. (2000c).  
 Numerical errors in groundwater and overland flow models.  
*Water Resources Research 36(5)*, 1237–1247.  
[http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/gw\\_err.pdf](http://www.sfwmd.gov/org/pld/hsm/pubs/wlal/gw_err.pdf).



- Lal:2001** .....  
 Lal, A. M. W. (2001, May 20-24).  
 Selection of time step and grid size in modeling integrated stream-aquifer interaction.  
 In *Proceedings of the World Environmental Congress*, Orlando, Florida.  
[http://gwmftp.jacobs.com/Peer\\_Review/stream-aquifer.pdf](http://gwmftp.jacobs.com/Peer_Review/stream-aquifer.pdf).
- Lal:2005a** .....  
 Lal, A. M. W. (2005).  
 Determination of aquifer parameters using generated water level disturbances.  
 To be submitted to Water Resources Research.
- Limerinos:1970** .....  
 Limerinos, J. (1985).  
 Determination of the Manning coefficient from measured bed roughness in natural channels.  
 U.S. Geological Survey Water-Supply Paper 1898-B, Government Printing Office.  
 Prepared in cooperation with the California Department of Water Resources,  
 Washington DC, 20402.
- Linsleyetal:1982** .....  
 Linsley, R., M. Kohler, and J. Paulhus (1982).  
*Hydrology for Engineers*.  
 New York, NY: McGraw-Hill Book Company.
- Lin:2003** .....  
 Lin, S. (2003, spring).  
 History of regional modeling in south florida.  
 personal communication.
- Loucksetal:2002** .....  
 Loucks, D. P., L. Upmanu, D. L. Phillips, and K. H. Reckhow (2002).  
 Quantifying and communicating model uncertainty for decision making in the  
 Everglades.  
 Model uncertainty workshop report, SFWMD and USASC.
- McDonaldHarbaugh:1984** .....  
 McDonald, M. and A. Harbaugh (1984).  
 A modular three dimensional finite difference groundwater flow model.  
 Technical report, United States Geological Survey, Reston, Virginia.
- Menke:1989** .....  
 Menke, W. (1989).  
*Geophysical Data Analysis: Discrete Inverse Theory* (Revised Edition (textbook)  
 ed.).  
 New York: Academic Press, Inc.
- Panton:1984** .....  
 Panton, R. (1984).  
*Incompressible flow*.  
 New York, NY: John Wiley and Sons, Inc.

- Parketal:2005b** .....  
Park, J., J. Obeysekera, and R. VanZee (2005a).  
Multilayer control hierarchy in an integrated hydrological model.  
*Journal of Water Resources Planning and Management, ASCE*.  
submitted.
- Parketal:2005c** .....  
Park, J., J. Obeysekera, and R. VanZee (2005b).  
Prediction boundaries and forecasting of non linear hydrologic stage data.  
*Journal of Hydrology*.  
in press.
- Parketal:2005a** .....  
Park, J., R. VanZee, W. Lal M.ASCE, D. Welter, and J. Obeysekera M.ASCE  
(2005, Jul/Aug).  
Sigmoidal activation of pi control applied to water management.  
*Journal of Water Resources Planning and Management, ASCE*.  
in press.
- Park:2005** .....  
Park, J. (2005).  
Management Simulation Engine of the Regional Simulation Model: An overview.  
MSE White Paper, 50 p.
- Ponceetal:1978** .....  
Ponce, V. M., R. Li, and D. Simons (1978).  
Applicability of kinematic and diffusion models.  
*Journal of Hydrology 104*, 353-360.
- Preissman:1961** .....  
Preissman, A. (1961).  
Propagation des intumescences dans les canaux et rivieres.  
In *First Congress of the French Association for Computation*, Grenoble, France.
- Putti:1996** .....  
Putti, M. (1996).  
A new collocation finite element approach for the discretization of laplace equation  
in three dimensional triangulations.  
In *Proceedings ICCAM 1996*, Belgium. Katholieke Universiteit.
- RaviartThomas:1977** .....  
Raviart, P. and J. Thomas (1977, May 15-19).  
A mixed finite element method for second order elliptic problems.  
In I. Galligani and E. Magenes (Eds.), *Mathematical aspects of the finite element  
method*, New Jersey. Springer-Verlag.
- SchenkGartner:2004** .....  
Schenk, O. and K. Gartner (2004, April).  
Solving unsymmetric sparse systems of linear equations with PARDISO.  
*Journal of Future Generation Computer Systems 20(3)*, 475-487.

- SchmidtRoig:1997 .....  
Schmidt, J. and L. Roig (1997).  
The adaptive hydrology (ADH) model: a flow and transport model for coupled  
surface water-groundwater analysis.  
In *XXVIIth Congress of the IAHR and ASCE*, San Francisco, California, pp.  
367–372.
- Senarathetal:2001 .....  
Senarath, S., R. Novoa, J. Barnes, and L. Brion (2001, fall).  
Simulating the flow dynamics in the southern everglades using a finite volume  
model.  
Abstract.
- Shenetal:1997 .....  
Shen, H., D. Zhao, G. Tabios III, K. Loftin, S. Sculley, and J. Chamberlain (1997).  
Application of RBFVM-2D model to Kissimmee River restoration in Florida State  
of USA.  
*Journal of Hydraulic Engineering, ASCE*, 474–479.
- Smajstrla:1990 .....  
Smajstrla, A. (1990).  
*Technical Manual, Agricultural Field Scale Irrigation Requirements Simulation  
(AFSIRS) Model*.  
Gainesville, Florida: Agricultural Engineering Dept, University of Florida.
- SCS:1986 .....  
Soil Conservation Service (1986).  
Urban hydrology for small watersheds.  
Technical Release 55, Department of Agriculture, Washington, DC.
- Solomantine:1996 .....  
Solomantine, D. (1996).  
Object orientation in hydraulic modeling architecture.  
*Journal of Hydraulic Engineering, ASCE* 10(2), 125–135.
- SFWMD:1999 .....  
South Florida Water Management District (1999).  
*South Florida Water Management Model Primer 3.5*.  
3301 Gun Club Road, West Palm Beach, FL 33406: South Florida Water  
Management District.  
<http://www.sfwmd.gov/org/pld/hsm/models/sfwmm/>.
- SFWMD:2001 .....  
South Florida Water Management District (2001, Aug).  
*User's Guide for the Routing Model CASCADE 2001, version 1.0*.  
West Palm Beach, Florida: South Florida Water Management District.

- sfwmd:2005c** .....  
South Florida Water Management District (2005a).  
*Management Simulation Engine User Manual*.  
3301 Gun Club Road, West Palm Beach, FL 33406: South Florida Water  
Management District.
- SFWM:2005a** .....  
South Florida Water Management District (2005b).  
*MSE Controllers, Documentation and User Manual*.  
3301 Gun Club Road, West Palm Beach, FL 33406: South Florida Water  
Management District.  
[http://gwmftp.jacobs.com/manuals/mse\\_controller.pdf](http://gwmftp.jacobs.com/manuals/mse_controller.pdf).
- SFWM:2005b** .....  
South Florida Water Management District (2005c).  
*MSE Supervisors, Documentation and User Manual*.  
3301 Gun Club Road, West Palm Beach, FL 33406: South Florida Water  
Management District.  
[http://gwmftp.jacobs.com/manuals/mse\\_supervisor.pdf](http://gwmftp.jacobs.com/manuals/mse_supervisor.pdf).
- Strelkoffetal:1977** .....  
Strelkoff, T., D. Schamber, and N. Katopodes (1977, Oct 18-20).  
Comparative analysis of routing techniques for the flood wave from a ruptured  
dam.  
In *Proc. of Dam-Break Flood-Routing-Model Workshop held in Bethesda, MD*,  
Springfield, Virginia, pp. 227–291. Water Resources Council, U.S. Dept. of  
Commerce, National Technical Information Service, PB-275 437.
- Stroustrup:2000** .....  
Stroustrup, B. (2000).  
*The C++ Programming Language*.  
New Jersey: Addison Wesley.
- SwainWexler:1996** .....  
Swain, E. and E. Wexler (1996).  
A coupled surface water and groundwater flow model (MODBRANCH) for  
simulation of stream-aquifer interaction.  
Techniques of water resources investigations of the USGS, United States Geological  
Survey, Government Printing Office, Washington D.C.
- SzidarovszkyYakowitz:1978** .....  
Szidarovszky, F. and S. Yakowitz (1978).  
*Principles and procedures of numerical analysis*.  
New York: Plenum Press.
- Tisdale:1996** .....  
Tisdale, T. (1996).  
Object-oriented analysis of South Florida hydrologic systems.  
*Journal of Computing in Civil Engineering* 10(4), 318–326.

- Trimble:1990** .....  
Trimble, P. (1990).  
Frequency of one and three day rainfall maxima for central and southern Florida.  
Technical report, South Florida Water Management District, 3301 Gun Club Road,  
West Palm Beach, FL 33406.
- USACE:1965** .....  
United States Army Corps of Engineers (1965, March).  
*Hydraulic Design of Spillways* (EM 1110-2-1603 ed.).  
Washington, D.C. 20314-1000: United States Army Corps of Engineers.  
EM 1110-2-1603, Plate 33.
- USACE:1993** .....  
United States Army Corps of Engineers (1993, October).  
*River Hydraulics* (1110-2-1416 ed.).  
Washington, D.C. 20314-1000: United States Army Corps of Engineers.  
1110-2-1416.
- SCS:1971** .....  
United States Department of Agriculture - Soil Conservation Service (1971a).  
*National Engineering Handbook, Section 4, - Hydrology*.  
Springfield, VA: US Department of Agriculture, Soil Conservation Service.
- USDA:1985** .....  
United States Department of Agriculture - Soil Conservation Service (1985b).  
*National Engineering Handbook, Section 4, - Hydrology*.  
Washington, DC.: US Department of Agriculture, Soil Conservation Service.
- VanderKwaak:1999** .....  
VanderKwaak, J. (1999).  
Numerical simulation of flow and chemical transport in integrated surface-  
subsurface hydrologic systems.  
Ph.D. thesis, University of Waterloo, 218 pp.
- Waltonetal:1999** .....  
Walton, R., E. Wexler, and R. Chapman (1999).  
An integrated groundwater-open channel flow model (MODNET).  
Tech. report, West Consultants, Bellevue, Washington.
- WES:1973** .....  
Waterways Experiment Station (1973).  
Bridge pier losses, section 010-6 in hydraulic design criteria.  
Technical report, United States Army Corps of Engineers, Vicksburg, MS.
- Welteretal:2006** .....  
Welter, D., A. W. Lal, and R. VanZee (2006).  
Use of singular value decomposition (SVD) in calibrating regional models for South  
Florida.  
In *Proceedings ? 2006*.  
[http://gwmftp.jacobs.com/Peer\\_Review/SVD\\_abstract.pdf](http://gwmftp.jacobs.com/Peer_Review/SVD_abstract.pdf).

Yarnell:1934 .....  
Yarnell, D. (1934).  
Bridge piers as channel obstructions.  
Technical Bulletin 442, U.S. Department of Agriculture, Washington D.C.

Yeletal:1998 .....  
Yeh, G., H. Cheng, J. Cheng, H. Lin, and W. Martin (1998).  
A numerical model simulating water flow and contaminant and sediment transport  
in a watershed system of 1-D stream-river network, 2-D overland regime, and 3-D  
subsurface media (WASH123D: Version 1.0).  
Technical report CHL-98-19 prepared for the U.S. Environmental Protection  
Agency, United States Army Corps of Engineers, Waterways Experiment Station.

Zhaoetal:1994 .....  
Zhao, D., H. Shen, G. Tabios III, J. Lai, and W. Tan (1994, July).  
Finite-volume two-dimensional unsteady-flow model for river basins.  
*Journal of Hydraulic Engineering, ASCE 120*, 863–883.