#### TABLE OF REFERENCES

## **Groundwater Modeling**

Anderson, M.P. and W.W. Woessner. 1992. Applied Groundwater Modeling-Simulation of Flow and Advective Transport. Academic Press, Inc., San Diego, California. 381 p.

Hassan, A.E., Validation of Numerical Ground Water Models Used to Guide Decision Making: Ground Water, 2004, vol. 42, No. 2, pp. 277-290.

Kresic, N. Quantitative Solutions in Hydrogeology and Groundwater Modeling. 1997. Lewis Publishers, New York. 460 p.

Saiers, J.E., Genereux, D.P., and C.H. Bolster, Influence of Calibration Methodology on Ground Water Flow Predictions: Ground Water, 2004., vol. 42, No.1, pp. 32-44.

Van der Heijde, P.K. and O.S. Elnawawy. 1993. Compilation of Ground-Water Models. U.S. Environmental Protection Agency, EP/600/R-93/118, 270 p.

# **Groundwater Monitoring**

ASTM: D 5717 - 93, Design of Ground-Water Monitoring systems in Karst and Fractured-Rock Aquifers.

ASTM: PS-64-96, Provisional Standard Guide for Developing Appropriate Approaches for Ground-Water Detection Monitoring Programs.

ASTM, Standards on Analysis of Hydrologic Parameters and Ground Water Modeling. 1996.

ASTM, Standards on Ground Water and Vadoze Zone Investigations: Drilling, Sampling, Well Installation and Abandonment Procedures, 1996.

Nelson, D.M. 1991. Practical Handbook of Ground-Water Monitoring. Lewis Publishers, Chelsea, Michigan. 717 p.

# **Aquifer Testing and Analysis**

ASTM: D 5474 – 93, Selection of Data Elements for Ground-Water Investigations.

Bata, V. 1998. Aquifer Hydraulics – A Comprehensive Guide to Hydrogeology Data Analysis. John Wiley & Sons, New York. 727 p.

Bentall, R. 1991. Methods of Determining Permeability, Transmissibility and Drawdown. U.S. Geological Survey, Water-Supply Paper 1536-I. 83 p.

Compilation. 1985. Ground Water Manual. U.S. Bureau of Reclamation, Water Resources Technical Publication. 480 p.

Dawson, K.J. and J.D. Istok. 1991. Aquifer Testing-Design and Analysis of Pumping and Slug Tests. Lewis Publishers, Chelsea, Michigan. 344 p.

Glover, R.E. 1985. Transient Ground Water Hydraulics. Water Resources Publications, Littleton, Colorado. 413 p.

Glover, R.E. 1988. Ground-Water Movement. U.S. Bureau of Reclamation, Water Resources Technical Publication, Engineering Monograph No. 31. 76 p.

Kruseman, G.P. and N.A. de Ridder. 1991. Analysis and Evaluation of Pumping Test Data. International Institute for Land, Reclamation, and Improvement. Publication 47, Wageningen, Netherlands. 377 p.

Lohman, S.W. 1972. Ground-Water Hydraulics. U.S. Geological Survey, Professional Paper 708. 70 p.

Olsen, T.T. 1995. Geohydrology: Analytical Methods. U.S. Bureau of Land Management, National Applied Resources Sciences Center, Denver, Colorado, Technical Note 393. 110p.

Stallman, R.W. 1976. Aquifer-Test Design, Observation, and Data Analysis. U.S. Geological Survey, Techniques of Water Resources Investigation, Book 3, Chapter B1, Applications of Hydraulics. 26 p.

### **Hydrology and Ground-Water Science**

Delleur, J.W., Editor. 1999. The Handbook of Groundwater Engineering. CRC Press, New York.

Deutsch, W.J. 1997. Groundwater Chemistry - Fundamentals and Applications to Contamination. Lewis Publishers, New York. 221 p.

Fetter, C.W. 1999. Contaminant Hydrogeology, 2<sup>nd</sup> Ed. Prentice Hall, New Jersey. 500 p.

Fetter, C.W. 2001. Applied Hydrogeology, 4<sup>th</sup> Edition. Prentice Hall, Inc. New York. 598 p.

Fitts, C.R. 2002. Groundwater Science. Academic Press, New York. 450 p.

Guidelines for Conducting Ground-Water Studies in Support of Resource Program Activities. 1985. BLM-Denver Service Center, Denver Federal Center, Technical Reference 7230-1.

Hounslow, A.W. 1995. Water Quality Data Analysis and Interpretation. Lewis Publishers, New York. 397 p.

Rosgen, D. 1996. Applied River Morphology. Wildlife Hydrology, Pagosa Springs, Colorado.

### **Geologic Hazards**

Helm, D.C., 1994, Hydraulic Forces that Play a Role in Generating Fissures at Depth, Association of Engineering Geologists Bulletin v. 31, No. 3, p. 293-304.

Helm, D.C., 1994, Horizontal Aquifer Movement of a Theis-Thiem Confined System, Water Resources Research, v. 30, No. 4, p. 953-964.

Sheng, Z.P. and Helm, D.C., 1995, Conceptual Models for Earth Fissuring in Las Vegas, Nevada, Land Subsidence: International Association of Hydrological Sciences Publications, No. 234, UNESCO, p. 381-387.

### **Acid Rock Drainage Testing and Analysis**

Allison, J.D., D.S. Brown, and K.J. Novo-Grada. 1991. MINTEQA2/PRODEFA2, a geochemical assessment model fo environmental systems, EPA/600/3-91/021. Office of Research and Development, U.S. Environmental Protection Agency, Athens GA.

ASTM, D5744-96(2001) Standard Test Method for Accelerated Weathering of solid Materials, a Modified Humidity Cell.

Compilation. Draft Regulation of Federal Program Mine sites with Potential for Acid or Toxic Discharges. 1993. Office of Surface Mining Reclamation and Enforcement. 77 p.

Science Applications International Corporation. 1994. Draft Acid Mine Drainage Prediction Document. U.S. Environment Protection Agency.

Smith, K.S., G.S. Plumlee, and W.H. Ficklin. 1994. Predicting Water Contamination from Metal Mines and Mining Wastes. U.S. Geological Survey, Open-File Report 94-264. 186p.

Parkhurst, D.L. 1995. User's Guide to PHREEQC – A computer program for speciation, reaction-path, advective-transport, and inverse geochemical calculations. U.S. Geological Survey. Water-Resources Investigation Report 95-4227, 143 p.

Sobek, A.A., W.A. Schuller, J.R. Freeman, and R.M. Smith. 1978. Field and Laboratory Methods Applicable to Overburdens and Mine Soils. U.S. Environmental Protection Agency, EPA 600/2-78-054.

Steffen, Robertson, and Kirsten, Inc. 1990. Acid Rock Drainage Technical Guide-Volume II. British Columbia Acid Mine Drainage Task Force, Vancouver, British Columbia, Canada.

Steffen, Robertson, and Kirsten, Inc. 1992. Mine Rock Guidelines, Design and control of Drainage Water Quality. Saskatchewan Environment and Public Safety, Mines and Pollution Control Branch, Prince Albert, Saskatchewan, Canada.

White, W.W., R.L. Cox, and K.A. Lapakko. 1996. Static Test Methods Most Commonly Used to Predict Acid Mine Drainage: Practical Guidelines for Use and Interpretation, to be published

in <u>Environmental Geochemistry of Mineral Deposits</u>, <u>Part A: Theory and Background.</u> Plumlee, G.S. and Logsdon, M. E

#### **Unsaturated Zone Science**

Alley, W.M., Healy, R.W., LaBaugh, J.W., and Reilly, T.E., 2002, Flow and storage in groundwater systems: Science, v. 296, p. 1,985-1990. (On-line abstract or on-line article).

Deason, J.A., 1997, Groundwater recharge rate determination in the Mohave River Basin, B.S. honors thesis, Stanford University, 59 p.

Delin, G.N., Healy, R.W., Landon, M.K., and Bohlke, J.K., 2000, Effects of topography and soil properties on recharge and movement of water through the unsaturated zone at two sites in a agricultural field: Journal of the American Water Resources Association, v. 36, part 6, p. 1401-1416. (on-line abstract).

Healy, R.W., and Ronan, A.D., 1996, Documentation of computer program VS2DH for simulation of energy transport in variably saturated porous media-modification of the U.S. Geological Survey's computer program VS2DT: U.S. Geological survey Water-Resources Investigation Report 96-4230, 36 p.

Landon, M.K., Delin, G.N., Komor, S.C., and Regan, C.P., 1999, Comparison of the stable-isotopic composition of soil water collected from suction lysimeters, wick samplers, and cores in a sandy unsaturated zone: Journal of Hydrology, vol. 224, p. 45-54.

Nimmo, J.R., 1992, Modeling structural influences on soil water retention: Soil Science Society of America Journal, vol. 61, no. 3, p. 712-719.

Nimmo, J.R., 1999, Predicting soil-water retention and hydraulic conductivity from textural and structural information, in van Genuchten, M.Th. and Leij, F., eds., Direct and indirect methods of determining properties of unsaturated soils, University of California Press, Part 2, p. 923-930.

Su G.W., J.T. Geller, J.R. Hunt, 2001, Solute transport along preferential flow paths in unsaturated fractures: Water Resources Research, vol.37, no. 10, p. 2481-2491.

Tindall, J.A., Kunkel, J.R., 1999, Unsaturated Zone Hydrology for Environmental Scientists and Engineers: Prentice-Hall, Englewood Cliffs, New Jersey, 625 p.

#### **State of Nevada Statutory Requirements**

1992. State Mining Waste Regulation: Current State of the Art. Environmental Law Institute, Washington, D.C.

Driesner, D. 1993. State and Federal Permits Required in Nevada Before Mining or Milling Can Begin. Nevada Bureau of Mines and Geology, Special Publication L-6.

### **Cumulative Impact Analysis**

<u>Compton, J. 1994. Potential Hyd</u>rologic Effects of Mining in the Humboldt River Basin, Northern Nevada. U.S. Geological Survey, Water Resources Investigation Report 94-4233.