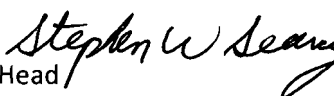


November 14, 2012

M E M O R A N D U M

TO: David W. Reed, Associate Dean for Graduate Programs  
College of Agriculture & Life Sciences

FROM: Stephen W. Searcy   
Professor and Department Head

SUBJECT: Graduate Faculty Nomination

Enclosed herewith is the documentation nominating Dr. Zhuping Sheng to the Graduate Faculty.

Please note that also attached is the approval naming him an Associate Member in 2006. We are proposing to change his status to Member.

Please call if you have questions or need additional information.

SWSss  
Attachments

**Texas A&M University**  
**Office of Graduate Studies**  
**Graduate Faculty Personal Record Form**  
 (Submit original with vitae only)

Nominating Department: Biological & Agricultural Engineering Mail Stop: 2117

Name of Nominee: Zhuping Sheng UIN (if applicable): [REDACTED]

Department of Nominee: Biological & Agricultural Engr. Email Address: zsheng@ag.tamu.edu

Date of Appointment to Texas A&M: 2001 Location (if not on campus): El Paso, Texas

Academic Rank or Position Title: Associate Professor, Texas A&M AgriLife Research Center at El Paso

Tenured or Tenure Track:  Yes  No Gender:  Male  Female

Membership Type:  Member  Associate Member  Adjunct Member

Special Appointment - Please include the purpose of the appointment (i.e. specific student's NAME and UIN or specific course and semester)

**OR** Student Name: \_\_\_\_\_ Student UIN: \_\_\_\_\_

Course Number: \_\_\_\_\_ Semester: \_\_\_\_\_

Educational Background (Please specify advanced degrees received)

Degree	Institution	Date Awarded	Major Area
Ph.D.	University of Nevada	1996	Hydrology/Hydrogeology
M.Sci.	Chinese Academy of Sciences, Beijing	1987	Engineering Geology/Hydrogeology
B. Eng.	Tongji University, Shanghai, China	1983	Hydrogeology/Engineering Geology

**Signature Requirements:**

The Department Head signature is required on all requests. The Graduate Instruction Committee Chair and Dean of College signatures are required on all requests for **Associate** Membership, **Adjunct** Membership, and on all requests for Membership for **non-tenure track** faculty or staff (with the exception of requests for special appointment, which require the signature of the Department Head only).

Approval Recommended:

Stephen W Sealey 11/14/12  
 Head of Department Date

\_\_\_\_\_  
 Graduate Instruction Committee Chair Date

\_\_\_\_\_  
 Dean of College Date

\_\_\_\_\_  
 Associate Provost for Graduate Studies Date

**\* THIS PAGE FOR COLLEGE OF AGRICULTURE AND LIFE SCIENCES USE ONLY AND DOES NOT NEED TO BE SUBMITTED TO OGS.**

**Summarized from the Vita, present evidence that**

(a) the nominee **Zhuping Sheng**

**(1) has taught a graduate class, or**

<u>Title</u>	<u>Institution</u>	<u>When/Times Taught</u>

**(2) has actively served on a graduate student's advisory committee, or**

<u>Student</u>	<u>Institution</u>	<u>Degree</u>	<u>Major</u>
Alyson McDonald	Texas A&M University	PHD	Water Management & Hydrologic Sciences

<!-- This text is part of the previous block's tbody -->

**(3) has held a definite administrative assignment in the graduate program of a university; and that**

**(b) the nominee has published a scholarly work as primary author (or, in the case of a professional discipline, has exhibited appropriate evidence of professional accomplishment). (Most notably list refereed scientific articles as primary author.)**

see attached list

## Zhuping Sheng Publications

### Peer-Reviewed Journal Articles:

Abudu S., King, J.P. and **Z. Sheng**, 2012. Comparison of the performance of statistical models in forecasting monthly total dissolved solids in the Rio Grande, *Journal of American Water Resources Association*: in press.

Ganjugunte, G.K., **Sheng, Z.** and J.A. Clark. 2012. Soil salinity and sodicity appraisal by electromagnetic induction in soils irrigated to grow cotton, *Land Degradation and Development* DOI: 10.1002/ldr.1162.

Liu, Y. and **Z. Sheng**, 2011. Trend-outflow method for understanding interactions of surface water with groundwater and atmospheric water for eight reaches of the upper Rio Grande, *J. of Hydrology*. 409: 710-723. doi:10.1016/j.jhydrol.2011.09.004.

Ganjugunte, G.K., **Sheng, Z.** and R.J. Braun. 2011. Salinity management using anionic organic polymer in a pecan field with calcareous-sodic Soil in El Paso, Texas, *J. Environ. Qual.* 40:1314–1321. doi:10.2134/jeq2010.0490.

Zhang N., **Sheng, Z.**, Li, X., Li, S., and J., He. 2011. Study on relationship between Poisson's ratio and angle of internal friction for rocks, *Chinese Journal of Rock Mechanics and Engineering*, 30 (Supp. 1): 2599-2609.

**Sheng, Z.** and J. Devere. 2005. Understanding and managing the stressed Mexico-USA transboundary Hueco bolson aquifer in the El Paso del Norte region as a complex system, *Journal of Hydrogeology*. 13(5-6): 813-825.

**Sheng, Z.**, Sturdivant, A., Michelsen, A. and R. Lacewell. 2005. Rapid economic assessment of flood-control failure along the Rio Grande: A case study, *International Journal of Water Resources Development*. 21(4): 629-649.

**Sheng, Z.**, Y. Liu, A. Michelsen and D. Xu. 2005. Comparative study in water resources development of western regions in the United States and China, *Transaction of American Society of Agricultural Engineers*. 48(3): 1015-1024.

**Sheng, Z.** 2005. An aquifer storage and recovery system with reclaimed wastewater to preserve native groundwater resources in El Paso, Texas, *Journal of Environmental Management*. 75(4): 367-377.

Hart, C. R., White, L.D., McDonald, A.K. and **Z. Sheng**. 2005. Saltcedar control and water salvage on the Pecos River, Texas, 1999-2003, *Journal of Environmental Management*. 75(4): 399-409.

**Sheng, Z.**, Helm, D.C. and Li, J. 2003. Mechanisms of earth fissuring caused by groundwater withdrawal: *Journal of Environmental & Engineering Geoscience*, IX(4): 313-324.

Assadian, N. C. Gogel, **Z. Sheng**, and U.V. Figueroa. 2003. Heavy Metal Distribution in Open Canals and Drains in the Upper Rio Grande Basin, *Int. Journal of Soil and Sediment Contamination*, 12(3): 305-323.

Liu, Z., **Z. Sheng**, J. Lu, and B. Yao. 1996. Numerical Simulation of the Mining Area Stability of Sanshandao Gold Mine, *Chinese Journal of Engineering Geology* (sponsored by Chinese Association of Engineering Geology, in Chinese), 4(2): 24-30.

Zhang, C., **Z. Sheng**, and B. Yao. 1990. Experimental investigation on the Kaiser effect of acoustic emission using the core of the stress-measuring hole at an underground plant of Ertan Project, *Chinese Journal of Hydroelectric Engineering* (sponsored by Chinese Association of Hydroelectric Engineering, in Chinese), 29(2): 72-81.

### **Books or Chapters:**

**Sheng, Z.**, Wang, C., Gastelum, J., Zhao, S. and Bordovsky, J. 2012. Desired future conditions for groundwater availability in the High Plains aquifer system, in Lal R. and Stewart, B.A. (eds.), *Advance in Soil Science: Soil Water and Food Security*, Taylor & Francis Group, LLC, in press.

**Sheng, Z.**, J. Li, J. P. King and W. Miller. 2011. Development of groundwater resources (Chapter 8), in Aral, M.M. and Taylor S.W. (eds.) *Groundwater Quantity and Quality Management*, ASCE, Reston, 203-294.

Li, J. and **Z. Sheng**, 2011. Geological Hazards due to Groundwater Discharge/Recharge (Chapter 17), in Findikakis, A.N., and Sato, K. (eds.) *Groundwater Management Practices (IAHR Monograph)*, CRC Press, 238-281.

**Sheng, Z.**, Sturdivant, A., Michelsen, A. and R. Lacewell. 2008 Rapid economic assessment of flood-control failure along the Rio Grande: A case study, in *Water and Disasters*, eds. by C. Gopalakrishnan and N. Okada: ISBN 10-0-415-45426-3, Routledge, London and New York: 86-106.

**Sheng, Z.**, R.E. Mace, and M.P. Fahy. 2001. Chapter 6 - The Hueco Bolson: An aquifer at the crossroads, in *Aquifers of West Texas*, Texas Water Development Board Report 356: TWBD, Austin, TX: 66-75.

**Sheng, Z.**, Z. Liu, and B. Yao. 1994. Numerical models (Chapter 7), in *Investigation on Stability of Underground Mining* (in Chinese), ed. by Yao, B. Liu, Z. and C. Li, Chinese Scientific and Technological Press, Beijing: 141-168



2005-2006  
 Texas A&M University  
 Office of Graduate Studies  
 Graduate Faculty Personal Record Form  
 (Submit original with vitae only)

**RECEIVED**  
 MAY 16 2006  
**GRADUATE STUDIES**

Nominating Department: Biological & Agricultural Engineering  
 Mail Stop: 2117

*file PR*

1. Name of Nominee: Zhuping Sheng
  2. Department of Nominee: Biological & Agricultural Engineering
  3. Academic Rank or Position Title: Assistant professor
  4. Date of Appointment to Texas A&M University: April 2001
  5. Location (if not on campus): Agricultural Research & Extension Center, El Paso
  6. UIN (if TAMUS): 402-00-6060 SSN (if not TAMUS): \_\_\_\_\_
  7. Tenured or Tenure Track  Yes  No
  8. Gender  Male  Female
  9. Membership Type (check one)
    - Member
    - Associate Member
    - Adjunct Member
    - Special Appointment – Please include the purpose of the appointment (i.e. specific student's **NAME** and **UIN** or specific course and semester)
- Student Name: \_\_\_\_\_ Student UIN: \_\_\_\_\_

10. Educational Background (Please specify advanced degrees received)

Degree	Institution	Date Awarded	Major Area
Ph.D.	University of Nevada, Reno	1996	Hydrology/Hydrogeology
M.Sci.	Chinese Academy of Sciences	1987	Engineering Geology
B.Eng.	Tongji University, Shanghai	1983	Hydrogeology

Approval Recommended:

**Signature Requirements:**

The Department Head signature is required on all requests. The Graduate Instruction Committee Chair and Dean of College signatures are required on all requests for **Associate** Membership, **Adjunct** Membership, and on all requests for Membership for **non-tenure track** faculty or staff (with the exception of requests for special appointment, which require the signature of the Department Head only).

*[Signature]* \_\_\_\_\_ 4/30/06  
 Head of Department Date

*[Signature]* \_\_\_\_\_ May 10, 06  
 Graduate Instruction Committee Chair Date

*[Signature]* \_\_\_\_\_ 5-15-06  
 Dean of College Date

*[Signature]* \_\_\_\_\_ 5/19/06  
 Dean of Graduate Studies Date

*associate*

## **Zhuping Sheng, Ph.D., P.E., P.HG.**

Texas AgriLife Research Center at El Paso, Texas A&M System  
Department of Biological and Agricultural Engineering, TAMU  
1380 A&M Circle, El Paso, TX 79927  
(915) 859-9111 ext. 233; Fax: (915) 859-1078  
E-mail: [zsheng@ag.tamu.edu](mailto:zsheng@ag.tamu.edu)

### **I. EDUCATION**

- Ph. D.** Hydrology/Hydrogeology, Minor in Geological Engineering, 1996  
University of Nevada, Reno, Nevada, USA
- M. Sci.** Engineering Geology/Hydrogeology, 1987  
Institute of Geology, Chinese Academy of Sciences, Beijing, China
- B. Eng.** Hydrogeology/Engineering Geology, 1983  
Tongji University, Shanghai, China

### **II. EMPLOYMENT HISTORY**

- Associate Professor**, Department of Biological and Agricultural Engineering (BAEN), Texas A&M University, Texas AgriLife Research at El Paso, TX, 2007 – present
- Assistant Professor**, Department of Biological and Agricultural Engineering (BAEN), Texas A&M University, Texas Agricultural Research and Extension Center, El Paso, TX, 2001 – 2007
- Adjunct Professor**, Institute Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China, 2007-2009
- Adjunct Professor**, Department of Civil, Agricultural and Geological Engineering, New Mexico State University, Las Cruces, New Mexico, 2004 - present
- Hydrogeologist**, El Paso Water Utilities, El Paso, TX, 1998 - 2001
- Visiting Assistant Professor/Post Doctoral Fellow**, Department of Civil Engineering, Morgan State University, Baltimore, Maryland, 1997 – 1998
- Research Assistant**, Nevada Bureau of Mines and Geology, Reno, Nevada, 1991 – 1996
- Assistant Professor**, Institute of Geology, Chinese Academy of Sciences, Beijing, China, 1989 – 1991
- Research Assistant**, Institute of Geology, Chinese Academy of Sciences, Beijing, China, 1983 - 1988

### **III. PROJECTS AND FUNDING**

- A Hydro-Econometric Analysis of Producer Water Use and Aquifer Hydrology in the Texas High Plains, U.S. Department of Agriculture -CSREES, PI; Team with Texas Tech University
- Transboundary aquifer assessment program, U.S. Department of Interior, U.S. Geological Survey, Co-PI
- Development of RiverWare model of the Rio Grande for water resources management in the Paso Del Norte watershed, U.S. Army Corps of Engineers, PI
- Assessment of snowmelt and runoffs in an inland river in an arid region in response to climate changes, National Science Foundation of China, Ministry of Human Resources and Social Security, Xinjiang Water Resources Bureau, Co-PI.
- Crop water conservation system in arid regions, 948 Projects, Ministry of Water Resources, China, Technical advisor.
- Economic assessment of Rio Grande salinity, U.S. Army Corps of Engineers, Co-PI
- Evaluation of irrigation efficiency strategies for Far West Texas: Feasibility, water savings and cost considerations, Texas Water Development Board, Co-PI
- Groundwater and surface water interaction and conjunctive uses in the Qiadam Basin – case study at the Xiangride-Qiadam River, Institute Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Co-PI.
- Membrane treatment of impaired irrigation return and other flows for creating new sources of high quality water, AWWARF, U.S. Bureau of Reclamation & El Paso Water Utilities, Co-PI

Installation of river and drain instrumentation stations to monitor flow and water quality and internet data sharing, sponsored by USBR, EPWU and TAES: PI.

Evaluation of alternatives for improvement of water delivery efficiency, hydrological modeling of the Rio Grande basin (Soil and Water Assessment Tool), and decision support system for irrigation district management (Rio Grande Basin Initiative on Irrigation Efficiency, USDA): Co-PI.

Coordinated water resources database and GIS (El Paso Water Utilities, U.S. Army Corps of Engineers, and PdN Watershed Council): PI.

Integrated management strategies to protect and conjunctively use water resources in the Paso Del Norte Region (USDA Hatch Project): PI.

Conceptual model for the Rio Grande flow between Elephant Butte Reservoir and El Paso (U.S. Army Corps of Engineers and Paso del Norte Watershed Council): PI.

Saltcedar control and water uses studies and monitoring; watershed protection plan development for the Pecos River, PI, C. Hart, sponsored by USEPA and Texas State Soil and Water Conservation Board; Co-PI.

The use of reclaimed effluents and salty groundwater as irrigation sources for cotton culture and vegetable production; the Texas Cotton Incorporated and USBR; PI.

Regional water resources plan for the Far West Texas (Senate Bill 2, TWDB): Co-PI.

Water conservation through reuse of gray water (USBR): Co-PI.

Seepage losses and water salvage by canal lining (TWRI, USBR and El Paso County Water Improvement District No. 1): PI

#### **IV. SELECTED PUBLICATIONS**

- Abudu S., King, J.P., Sheng, Z. (2012). Comparison of the performance of statistical models in forecasting monthly total dissolved solids in the Rio Grande, *Journal of American Water Resources Association*: in press.
- Ganjugunte, G.K., Sheng, Z., Clark, J.A. (2012). Soil salinity and sodicity appraisal by electromagnetic induction in soils irrigated to grow cotton, *Land Degradation and Development* DOI: 10.1002/ldr.1162.
- Liu, Y., Sheng, Z. (2011). Trend-outflow method for understanding interactions of surface water with groundwater and atmospheric water for eight reaches of the upper Rio Grande, *J. of Hydrology*, 409: 710-723. doi:10.1016/j.jhydrol.2011.09.004
- Ganjugunte, G.K., Sheng, Z., Braun, R.J. (2011). Salinity management using anionic organic polymer in a pecan field with calcareous-sodic soil in El Paso, Texas, *J. Environ. Qual.* 40:1314–1321 (2011) doi:10.2134/jeq2010.0490.
- Sheng, Z., Li, J., King, J.P., Miller, W. (2011). Development of groundwater resources (Chapter 8), in Aral, M.M. and Taylor S.W. (eds.) *Groundwater Quantity and Quality Management*, ASCE, Reston, 203-294.
- Li, J., Sheng, Z. (2011). Geological Hazards due to Groundwater Discharge/Recharge (Chapter 17), in Findikakis, A.N., and Sato, K. (eds.) *Groundwater Management Practices* (IAHR Monograph), CRC Press, 238-281.
- Zhao, S., Wang, C., Bordovsky, J., Sheng, Z., Gastéllum, J.R. (2011). Estimating the Spatial Distribution of Groundwater Demand in the Texas High Plains. *Proceedings, The 2011 American Agricultural and Applied Economics & Northeastern Agricultural and Resource Economics Association Joint Annual Meeting*, Pittsburgh, PA, July (Paper published online at AgEcon Search).
- Brown, W.A., Cegon, A., Sheng, Z. (2011). Utilizing Continuous Resistivity Profiling for Characterization of Canal Seepage in El Paso, Texas, *Proceedings, 24th Annual Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP)*. Charleston, South Carolina, April 10-14, 2011: 235-244.
- Gastelum J., Small, G., Sheng Z. (2010). Application of the Drop Pipe Hydraulic and Aquifer Hydraulic Equations in Design and Operation of Artificial Recharge Wells, *Proceedings, 8th International Symposium on Managed Aquifer Recharge*, Abu Dhabi, UAE, October 9-13. 8p.



- Sheng Z., Michelsen, A., Liu, Y., Creel, B., McGuckin, T., Lacewell, R. (2010). Statistical analysis of flow exchange and salt loading between the Rio Grande and underlying aquifers, *Proc. Of World Environmental and Water Resources Conference*, ASCE, Providence, RI, May 16-20, CD-ROM: 1002-1011.
- Liu, Y., Sheng, Z. (2009). Analytical-numerical solution for seepage along an earth canal disconnected from the shallow aquifer, *Proc. Of World Environmental and Water Resources Conference*, ASCE, Kansas City, MO, May 17-21, 11p. CD-ROM.
- Sheng, Z. (contributing author) (2008). National Research Council; Prospects for managed underground storage of recoverable water: The National Academies Press, Washington, D.C., 337 p.
- Sheng, Z., Sturdivant, A., Michelsen, A., Lacewell, R. (2008). Rapid economic assessment of flood-control failure along the Rio Grande: A case study, in *Water and Disasters*, eds. by C. Gopalakrishnan and N. Okada: ISBN 10-0-415-45426-3, Routledge, London and New York: 86-106.
- Sheng, Z., Herrera, E., Ganjegunte, G., Bader, R. (2008). Potential Use of Graywater and Brackish Groundwater for Cotton Production, *Proceedings, American Society of Agricultural and Biological Engineering Annual International Conference*, Providence, Rhode Island, June 29 – July 2, 9p. CD-ROM.
- Sheng, Z., Arthur, J., Restrepo, J., Allen-King, R. (2007). On Recovery Efficiency of Managed Underground Storage of Recoverable Water Systems, *Proceedings of the 6th Biennial International Symposium on Managed Aquifer Recharge*, Phoenix, Arizona, USA, October 29 – November 2: 84-95.
- Sheng, Z., Assadian, N., Villalobos, J. (2007). Characterization of Graywater and Brackish Water Flow Patterns through a Column Experiment, *Proceedings Of World Environmental and Water Resources Conference*, ASCE, Tampa, FL, May 14-19, 2007, 7p. CD-ROM.
- Qi, S., Wu, F., Yan, C., Sheng, Z. (2006). Impacts of inundation of Houziyan reservoir on Zang nationality blockhouse group relics along the Dadu River, *Proceedings, World Environmental and Water Resources Conference*, ASCE, Omaha, NE, May 21-25, 2006, CD-ROM.
- Sheng, Z., Devere, J. (2005). Understanding and managing the stressed Mexico-USA transboundary Hueco bolson aquifer in the El Paso del Norte region as a complex system, *Journal of Hydrogeology*, 13(5-6): 813-825.
- Sheng, Z., Sturdivant, A., Michelsen, A., Lacewell, R. (2005). Rapid economic assessment of flood-control failure along the Rio Grande: A case study, *International Journal of Water Resources Development*, 21(4): 629-649.
- Sheng, Z., Liu, Y., Michelsen, A., Xu, D. (2005). Comparative study in water resources development of western regions in the United States and China, *Trans. ASAE*, 48(3): 1015-1024.
- Sheng, Z. 2005. An aquifer storage and recovery system with reclaimed wastewater to preserve native groundwater resources in El Paso, Texas, *Journal of Environmental Management*, 75(4): 367-377.
- Hart, C. R., White, L.D., McDonald, A., Sheng, Z. (2005). Saltcedar control and water salvage on the Pecos River, Texas, 1999-2003, *Journal of Environmental Management*, 75(4): 399-409.
- Sheng, Z., Helm, D.C., Li, J. 2003. Mechanisms of earth fissuring caused by groundwater withdrawal: *Journal of Environmental & Engineering Geoscience*, IX(4): 313-324.
- Assadian, N., Gogel, C., Sheng, Z., Figueroa, U.V. (2003). Heavy Metal Distribution in Open Canals and Drains in the Upper Rio Grande Basin, *Int. Journal of Soil and Sediment Contamination*, 12(3): 305-323.

## **V. HONORS AND AWARDS**

- Texas Environmental Excellence Award: Rio Grande Basin Initiative Project – Texas Water Resources Institute, 2008.
- National Water Program Award as the Outstanding Integrated Activities for Water Resources: Rio Grande Basin Initiative Project, U.S. Department of Agriculture –Cooperative State Research, Education and Extension Service (USDA–CSREES), 2007.

Vice Chancellor's Award in Excellence Research Team for the Rio Grande Basin Initiative, TAMU Agriculture Program, 2006.

## **VI. PROFESSIONAL ACTIVITIES AND LICENSES**

Invited Committee Member, Advisory Committee on Sustainable Underground Storage of Recoverable Water, National Academy of Sciences, National Research Council, Water Science and Technology Board; 2005-06.

Invited Expert: Aquifer Storage & Recovery Experts Meeting, EPA, May 5-6, 2009, Chicago, IL.  
Panelist: NSF 1631 Infrastructure Panel, Reston, VA, 2010.

President-Elect (2011), Association of Oversea Chinese Agricultural, Biological and Food Engineers.  
Chair, AWRA International Affairs Committee, 2011 - present.

Chair of Technical Committee on Aquifer Storage and Recovery (ASR); American Water Resources Association (AWRA); 2002-03

American Society of Civil Engineers (ASCE), Environmental and Water Resources Institute  
Chair (2011-2013) and Vice Chair (2009-2011), Committee of Groundwater Hydrology.  
Chair (2009) and Co-chair (2008 and 2010), EWRI Groundwater Symposium.  
Chair (2008-2009) and Vice Chair (2006-2008), Committee of Groundwater Management – Program Secretary, Land Subsidence Task Committee, 2002-present.  
Award Committee Member, the Groundwater Council, 2008-2010.

Associate Editor, Journal of Hydrological Engineering, ASCE, 2009-2012.

Associate Editor, Transactions of ASABE & Journal of Application of Engineering in Agriculture, 2010-2012.

Basin and Bay Expert Science Team (BBEST) for upper Rio Grande, TCEQ, 2011 – present  
Executive Member, Paso del Norte Watershed Council (PdNWC), 2002-present

Outstanding Research Fellow, Ministry of Human Resources and Social Security and Oversea Chinese Scholars Committee of Xinjiang Bureau of Human Resources and Social Security, Urumqi, China, 2010-2012.

Outstanding Research Fellow, Collaborative research on hydrologic cycle in arid region; sponsored by Institute of Geographical Sciences and Natural Resource Research, Chinese Academy of Sciences and Institute of Water Resources and Hydropower, Qinghai Province. 2007-2009.

Technical Expert, International Association of Hydrology (IAH), International Hydrology Program (IHP)-UNESCO Program, ISARM Americas (Internationally Shared Aquifer Resources Management), 2003-05.

Expert Team: Analysis and Strategic Plan: Water for Sustainable Agriculture in Qatar, Submitted to Barwa, Qatar, Matrix Process Integration, March 2008.

Expert Testimony: Hydrologic impacts review in support of protest of the New Mexico Office of State Engineering water rights application No. 4830: The City of Albuquerque proposal to divert surface water from the Rio Grande; William J. Miller Engineers and Peter Thomas White, Attorney; Santa Fe, New Mexico, 2002.

Professional Engineer License in Texas (87496) since 2001.

Professional Hydrogeologist, National Registration (1656), American Institute of Hydrology since 2005.