



Edwards Aquifer Habitat Conservation Plan  
**Science Committee Vacancy Memorandum**

Memo to Stakeholder Committee and Implementing Committee regarding recommendation on Science Committee vacancy

From: Myron Hess (Stakeholder Committee, Chair) and Darren Thompson (Implementing Committee, Chair)

Date: October 17, 2018

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As discussed at the June meeting of the Implementing and Stakeholder Committees, as the Chairs of the Committees, we have considered the nominees to fill the vacancy created by the resignation of Dr. Robert Mace from the Science Committee and arrived at a joint recommendation. As you will recall, Dr. Mace held the position on the Science Committee that is required to be filled through a joint appointment by both the Stakeholder Committee and the Implementing Committee. Accordingly, as required by the Funding and Management Agreement, the new member also must be appointed in the same manner.

Although not a specific requirement for the slot, as previously discussed, we concluded that it would be appropriate to seek and consider nominees who have expertise relevant to groundwater modeling as well as leadership in the field, local, and regional geological experience. Four persons who were nominated for membership affirmatively indicated their willingness to serve: Jack Sharp, Shirley Wade, John Waugh, and Joe Yelderman. Accordingly, we considered those four candidates. Resumes are included.

After review and discussion, we agreed to recommend Jack Sharp for appointment to fill the vacancy.

# CURRICULUM VITAE

## JOHN M. (Jack) SHARP, JR.

Permanent Address: Department of Geological Sciences, Jackson School of Geosciences  
2275 Speedway, EPS 3.150 [C9000]  
The University of Texas, Austin, Texas 78712-1722 U.S.A.  
(Phone: 512-471-3317; FAX: 512-471-0959; cell: 512-680-5717)  
(Email: jmsharp@jsg.utexas.edu)

### EDUCATION:

Ph.D., 1974, M.S., 1974, University of Illinois. Hydrogeology (GPA: 5.00/5.00). Ph.D. dissertation: An Investigation of Energy Transport in Thick Sequences of Compacting Sediments (Committee: Pat Domenico (advisor), Fred Donath, Vic Palciauskas, Tom Anderson, R.E. Miller), 140p.  
32 semester hours, Midwestern University. Business Administration (attended nights while in the U.S. Air Force). Emphasis on economics and management science. (4.00/4.00)  
B. Geological Engineering with Distinction, 1967, University of Minnesota (emphasis on rock mechanics, porous media flow, and site development). (3.45/4.00). B. Geol. E. thesis: Eastern Minnesota Copper Prospects (Don Yardley, advisor), 43p.

### PROFESSIONAL EXPERIENCE:

*The University of Texas, Austin, Texas:*

2002-present David P. Carlton Professor of Geology  
1993-2002 Chevron Centennial Professor of Geology  
1989-1993 Gulf Foundation Centennial Professor of Geology  
1986-1989 C.E. Yager Professor of Geology  
1985-on Professor of Geology  
1984-1986 Associate Chairman  
1982-1985 Associate Professor of Geology

### Primary responsibilities:

Classes taught: Physical Hydrogeology, Groundwater Hydrology, Aquifer Testing, Geology for Engineers, Groundwater Field Methods, Fractured Rock Mechanics and Hydrology, Geology and Hydrology, Urban Hydrogeology, Applied Karst Hydrogeology, Hydrogeophysics, Environmental Hydrogeology, Numerical Methods in Hydrogeology, and (additionally at the University of Missouri) External Earth Process, Principles of Geology, Geology Field Camp, and Mathematical Methods in Geology;

Conduct research and supervise both graduate supervise graduate and undergraduate students engaged in research. Research topics include: the hydrogeology of fractured rock, karstic, desert basin, crystalline rock, tuffaceous, glacial drift, and alluvial aquifers; stream/groundwater interactions; water resource sustainability and decision support systems; thermohaline free convection; the effects of urbanization on groundwater systems, volcanogenic karstification; energy transport, subsidence, and excess fluid pressures in sedimentary basins; dolomitization; flow and transport in fractures and the effects of fracture skins; and the hydrogeology of reclaimed coal strip mines.

Short-term industrial consulting: - State of Texas Professional Geologist No. 1800; A.I.H. Registered Professional Hydrogeologist No. 135; S.I.P.E.S. Professional Earth Scientist No. 2419.

Alumni activities: Founded Development Board at Missouri; assisted in founding the Geohydrology Fund, Jackson Fellowship, and Oliver Lectureship in Texas Hydrology and Water Resources at Texas.

PROFESSIONAL EXPERIENCE (continued):

Curricula development: Initiated three new curricula:

- 1) B.S. in Hydrogeology and Civil Engineering (joint program with civil engineering) at the University of Missouri;
- 2) B.S. in Geology (Hydrogeology) at The University of Texas; and
- 3) B.S. in Geosystems Engineering and Hydrogeology (joint program with petroleum engineering) at The University of Texas.

*Visiting Scientist:*

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|-------------|---|
| 2014 – 2015 | Program Director, Hydrologic Sciences, National Science Foundation, Arlington, Virginia |
| 2013        | Australian National Centre for Groundwater Research & Training, Adelaide, Australia     |
| 2010        | U.S. Geological Survey, Reston, Virginia  |
| 1994        | C.S.I.R.O. Centre for Groundwater Studies, Adelaide, Australia                          |

*Von Humboldt Research Fellow:*

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|-------------|---|
| 1981 & 1983 | Institut fuer Allgemeine und Angewandte Geologie der Universitaet Muenchen, Munich, Germany |
|-------------|---|

*University of Missouri, Columbia, Missouri:*

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|-----------|------------------------------------|
| 1980-1982 | Department Chairman                |
| 1981      | Director, Branson Field Laboratory |
| 1979-1982 | Associate Professor of Geology     |
| 1977-1980 | Director of Graduate Studies       |
| 1974-1979 | Assistant Professor of Geology     |

*University of Illinois, Urbana, Illinois:* Teaching Assistant and Research Fellow (1971-1974) - Assisted in teaching undergraduate courses in physical geology, geology for engineers, and environmental physical science (for nonscience majors).

*Committee to Save Park, Research Associate, Urbana, IL (1972-1973)* - Economic analysis of municipal water supplies and evaluation of reservoir environmental impact.

*U.S. Air Force, Officer, civil engineering (1967-1971)* - Officer-in-charge of 60-man field engineering team (Prime BEEF); fallout shelter analysis, traffic engineering, long-range base development planning and construction planning; prepared preliminary construction estimates and designs; supervised and scheduled base maintenance and repairs; also, various military and related duties. 3750th Civil Engineering Group, Sheppard Air Force Base, Wichita Falls, Texas.

*University of Minnesota, Minneapolis, Minnesota:* Consultant (1966-1967) - Prepared consulting report for a private mining company on the rock properties and caving characteristics of the Duluth gabbro, under the supervision of Prof. E.P. Pfeider, Professor of Mineral Engineering.

AWARDS AND RECOGNITIONS:

Outstanding Reviewer (2017), Environmental Research Letters  
Lifetime Achievement Award (2017) Barton Springs / Edwards Aquifer Conservation District  
Keynote Speaker (2016), 36<sup>th</sup> Annual IAH (Irish Group) Groundwater Conference, Tullamore, Ireland.  
Society for Mining, Metallurgy, and Exploration Legion of Honor (2016)

AWARDS AND RECOGNITIONS (continued):

Keynote Speaker (2015), Hard-Rock Aquifers: The up-to-date concepts and the practical applications, IAH French National Chapter, Vendée, France

Plenary Speaker (2014), 41st Congress, International Association of Hydrogeologists, Groundwater Challenges and Strategies, Marrakech, Morocco.

Edwards Aquifer Authority Distinguished Lecturer (2013)

Presidents' Award, International Association of Hydrogeologists (2012) both for outstanding international contributions to the development/application of groundwater science and for service to IAH missions.

2009 AEG Publication Award for "The Secondary Permeability of Impervious Cover" (Wiles and Sharp) in Engineering and Environmental Geoscience.

Robert Farvolden Lecturer (2007), University of Waterloo, Canada.

Scientists for Groundwater Award (2006) of the Save Barton Creek Association (with Will Cain, Marcel Dulay, and Suzanne Pierce) for commendable efforts to develop the groundwater decision support system.

Research Conservation Award (2004) of the Barton Springs / Edwards Aquifer Conservation District for contribution to protect...Barton Springs...the Edwards Aquifer and groundwater resources of Central Texas.

Expert of International Standing, Australian Research Council College of Experts (2004-2011; 2016)

Big XII Faculty Fellow (2002)

AT&T Industrial Ecology Faculty Fellow (2000)

Founders Award (1998), American Institute of Hydrology, for outstanding and dedicated service to groundwater hydrology.

Society of Independent Professional Earth Scientists, Central Texas, Chapter Award (1998)

C.V. Theis Award (1996), American Institute of Hydrology, for outstanding contributions to hydrology

Hydrogeology Division of the Geological Society of America Distinguished Service Award (1996)

Joseph B. Hoening Distinguished Lecturer of the Kentucky Geological Survey (1995)

Fellow, Geological Society of America (since 1988)

Alexander von Humboldt Fellow to West Germany (1983 & 1981)

O.E. Meinzer Award (1979) of the Geological Society of America for outstanding contributions to hydrogeology

Promethean Society (The University of Texas, College of Natural Sciences)

Sigma Xi

Honor societies:

- Phi Kappa Phi (National Academic Honor Society)
- Tau Beta Pi (National Engineering Honor Society)

University of Illinois Fellow in Geology

Distinguished graduate of:

- U.S. Air Force Officer Training School
- U.S. Air Force Base Civil Engineer School
- U.S. Navy Fallout Shelter Analysis School

Undergraduate (University of Minnesota):

- Alpha Delta Phi Literary Award
- Residence Halls Scholarship Honors
- W. H. Ziegler Company Scholarship
- University of Minnesota Freshman Scholarship

**Shirley C. Wade**  
P.O. Box 13231  
Austin, TX 78711-3231  
(512) 936-0883  
Shirley.Wade@twdb.texas.gov

**Employment:**

2002 - present

**Texas Water Development Board, Austin, TX**

**Hydrogeologist with the Groundwater Availability Modeling Department**

- Developing conceptual and numerical models for groundwater flow in the Blossom Aquifer in North East Texas.
- Prepared modeled available groundwater (MAG) reports for Groundwater Management Areas 11, 12, 13, and 14 for the second round of groundwater conservation district joint planning (2016).
- Coordinator for preparing groundwater flow budget reports for groundwater conservation districts to use in their groundwater management plans.
- Ran groundwater availability models to help groundwater management areas develop desired future conditions for their aquifers for the first round of groundwater conservation district joint planning (2010).
- Served on Edwards Aquifer Area Expert Science Subcommittee of the Steering Committee for the Edwards Aquifer Recovery Implementation Program (2009).
- Conducted two studies using a groundwater model of the Edwards Aquifer (GWSIM-IV) to evaluate the effects of proposed management strategies on Edwards Aquifer springflows.
- Developed conceptual and numerical models for groundwater flow in Presidio and Redford Bolson Aquifers in Far West Texas.
- Respond to requests for information from the public and provide internal and external technical support for using groundwater availability models.
- Respond to legislative requests for groundwater information.
- Contract manager for contract to update Carrizo-Wilcox Aquifer groundwater availability models by adding layers for Queen City –Sparta Aquifers and for contract to refine groundwater availability model of Seymour aquifer in Haskell, Knox, and Baylor counties.

1998 - 2002

**Purdue University, Department of Earth and Atmospheric Sciences,  
West Lafayette, IN**

**Graduate Research Fellow**

- Research project involved linking tritium data with well logs in a GIS and using a mixing model along with the historic tritium precipitation record to estimate groundwater ages. The tritium data and estimated groundwater ages were compared with hydrogeology to determine possible recharge mechanisms for aquifers.

1993 - 1998

**HydroGeoLogic, Inc., Herndon, VA.**

**Hydrogeologist**

- Constructed and implemented groundwater flow and contaminant transport models and prepared project reports.
- Served as task manager on several groundwater modeling projects.

- Reviewed data, and made recommendations regarding development of conceptual models for environmental risk assessments.
- Performed groundwater transport modeling for environmental risk assessments and prepared documentation.
- Took part in a remedial investigation to locate and characterize the contents of underground storage tanks (UST's) at a former ordnance works. Tasks included conducting electromagnetic geophysical surveys to locate UST's, sampling UST's and AST's (above ground storage tanks) and preparing a report of the investigation.

1991 - 1993 **New Mexico Bureau of Mines and Mineral Resources**, Socorro, NM.  
**Graduate Research Assistant**

- Principal researcher for a groundwater flow heat transport study.

1988 - 1990 **University of Wyoming**, Laramie, WY.  
**Graduate Teaching Assistant**

- Instructed undergraduate physical geology labs.

1988 **Western Geophysical**, Bakersfield, CA.  
**Geophysical Trainee**

- Operated vibroseis truck, laid geophones, helped survey and assisted with administrative and bookkeeping duties for a seismic field crew.

#### **Education:**

2002 **Ph.D. in Hydrogeology**. Purdue University, West Lafayette, IN.  
May, 2002. Dissertation: *Using a GIS to Interpret Tritium-Groundwater Age Distribution in Indiana*. Linked tritium data with well logs in a GIS and used a mixing model along with the historic tritium precipitation record to estimate groundwater ages. Compared the tritium data and estimated groundwater ages with hydrogeology to determine possible recharge mechanisms for aquifers.

1993 **M.S. in Hydrology**. New Mexico Tech, Socorro, NM.  
May, 1993. Thesis: *Hydrothermal Estimation of Vertical Groundwater Flow*.

1990 **M.S. in Geophysics**. University of Wyoming, Laramie, WY.  
August, 1988. Thesis: *A laboratory study of Anisotropy of Magnetic Susceptibility*.

1987 **B.S. in Geophysics**. New Mexico Tech, Socorro, NM.  
May, 1987. Senior Field Project: *Magnetic Survey across the Rio Grande Valley*.

#### **Select Publications and Presentations:**

Ridgeway, C., Wade, S. and Shi, J., 2015, *Fine-Tuning our Understanding of Aquifers in Texas through an Evolving Groundwater Modeling Program*. MODFLOW and More 2015: Modeling a Complex World, Integrated Groundwater Modeling Center Conference, Golden, CO, June, 2015.

Wade, S.C., 2008. *Groundwater Flow Model of the Presidio and Redford Bolson Aquifers: Preliminary Calibration Results*. Gulf Coast Association of Geological Societies and Gulf Coast Section SEPM, Transactions, 58<sup>th</sup> Annual Convention, Houston, Texas, October, 2008. **(Received Third Place Grover E. Murray Best Published Paper Award for the 2008 GCAGS Transactions)**

Mace, R.E. and S.C. Wade, 2008. *In Hot Water? How Climate Change May (or May Not) Affect the Groundwater Resources of Texas*. Gulf Coast Association of Geological Societies and Gulf Coast Section SEPM, Transactions, 58<sup>th</sup> Annual Convention, Houston, TX, October, 2008.

Wade, S.C., D.I. Leap, S.J. Fritz, M. Denney, M. Hoover, 2001. *Using a GIS to Interpret Groundwater Age Distribution in Indiana*. *EOS. Trans. AGU*, 82(20), Spring Meeting, Abstract H61B-07.

Guvanasen, V., S.C. Wade, and M.D. Barcelo, 2000. *Simulation of Regional Groundwater Flow and Saltwater Simulation in Hernando County Florida*. *GROUND WATER*, 38(5): 772-783 .

Panday, S., Y. S. Wu, P.S. Huyakorn, S.C. Wade, and Z.A. Saleem, 1997. *A composite numerical model for assessing subsurface transport of oily wastes and chemical constituents*. *Journal of Contaminant Hydrology*, 25: 39-62.

Wade, S.C. and M. Reiter, 1994. *Hydrothermal Estimation of Vertical Ground-Water Flow, Cañutillo, Texas*. *GROUND WATER*, 32 (5): 735-742.

A Hydrothermal Study to Estimate Vertical Ground Water Flow in the Cañutillo Well Field, Between Las Cruces and El Paso. (Received Best Student Poster Award). Shirley Wade and Marshall Reiter. 1993 Rocky Mountain Groundwater Conference, Albuquerque, NM, October 27-29, 1993.

A Hydrothermal Study to Estimate the Vertical Component of Specific Discharge in the Cañutillo Well Field, Between Las Cruces and El Paso. Shirley Wade and Marshall Reiter. New Mexico Geological Society 1993 Annual Spring Meeting, Socorro, NM, April 16, 1993.



## **John Waugh, P.G., Senior Hydrogeologist (Retired)**

**Biography:** John Waugh has over forty years of experience as a geologist, with over twenty-five of them as a hydrogeologist. He recently retired from the San Antonio Water System as Senior Hydrogeologist, with over twenty-one years of service, on December 31, 2017. His responsibilities included project management for the Edwards Aquifer Saline Water Study, SAWS project management for the various studies in the Edwards Aquifer Optimization Program, acting Project Manager for the Regional Carrizo Wellfield Project, wellsite project oversight geologist for the Vista Ridge Project, and as karst geologic expert for the SAWS Resource Protection Division. Prior to joining SAWS, John was employed as a Hydrologist III by the Edwards Aquifer Authority and its predecessor, the Edwards Underground Water District. Prior to his Edwards Aquifer hydrogeologic experience, he worked in petroleum exploration and development for fifteen years. He has a BS and MS in geology from Southern Methodist University, as well as additional graduate level coursework in hydrogeology from Oklahoma State University and UTSA. John is a Registered Professional Geologist in Texas.

John has presented numerous papers on Edwards Aquifer research to national and regional conferences, including the 2001 joint national meeting of AIPG/AEG, the 2003 SAGEEP annual conference, the 2004 STGS/AGS Edwards Aquifer Symposium, and the 2005 Geological Society of America annual meeting, as well as many regional, state, and local meetings. John is a member and former President of the Board of Directors of the Groundwater Science Division of the Texas Groundwater Association, and has also served as President of the South Texas Geological Society. He is also a former member of the Board of Directors of the Green Spaces Alliance. In 1997, John organized and co-chaired quarterly meetings of the Technical Advisory Group (TAG) for Edwards Aquifer Optimization Studies, a technical group composed of scientists and engineers from local, state, and federal entities involved in Edwards Aquifer research which met from 1997 to 2007 to provide technical assistance to the EAA's Aquifer Optimization Program. He also served as a member of the USFW Edwards Aquifer Endangered Species Recovery Plan Team, and served as a hydrologist on the first Edwards Aquifer Recovery Implementation Program Expert Science Subcommittee. He was involved in Edwards Aquifer Habitat Conservation Plan planning and implementation process from its beginning until his retirement from SAWS at the end of 2017.

CV  
**Joe C. Yelderman Jr.**  
Hydrogeologist

**Education**

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|-----------|---|
| 1980-1983 | University of Wisconsin, PhD<br>Hydrogeology, major<br>Water in Environmental Planning, minor |
| 1975-1976 | Baylor University, MS<br>Geology with Environmental Emphasis                                  |
| 1970-1974 | Baylor University, BS<br>Geology and Environmental Studies                                    |

**Experience**

Academia

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|--------------|--|
| 1983-present | Baylor University<br>Professor                                       |
| 2015-present | Director – Institute of Ecological, Earth and Environmental sciences |
| 2004-present | Director – Baylor Wastewater Research Program                        |

Planning

- |           |  |
|-----------|--|
| 1982      | Wisconsin Geological and Natural History Survey<br>Project Assistant |
| 1977-1978 | Ark-Tex Council of Governments<br>Natural Resource Planner           |
| 1975-1977 | City of Waco<br>Urban Planner  |

Industry

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|-----------|--|
| 1978-1980 | U. S. Steel-Texas Uranium Operations<br>Environmental Engineer |
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Consulting

- |              |   |
|--------------|---|
| 1972-present | Groundwater supply, groundwater contamination (chromium, petroleum, uranium, and sewerage), pumping tests, bottled water supply, water management, subsurface construction concerns, tertiary recovery methods for shallow oil. |
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**Selected Publications**

- Brownlow, Joshua W., James, Scott C., and **Yelderman, Joe C., Jr.**, 2016, Influence of hydraulic fracturing on overlying aquifers in the presence of leaky abandoned wells, *Groundwater*, Vol. 54, No.6, p. 781-792. doi: 10.1111/gwat.12431.
- Wong, S.S., and **Yelderman, J. C., Jr.**, 2016, Time not wasted: How collaborative research and education help build groundwater sustainability in rural northern Uganda, Africa, *in* Wessel, G.R., and Greenberg, J.K., eds., *Geoscience for the Public Good and Global Development: Toward a Sustainable Future: Geological Society of America Special Paper 520*, p.1-10, doi:10.1130/2016.2520(17).
- Wong, Stephanie S. and **Yelderman, Joe C., Jr.**, 2015, An investigation into the recharge pathways and mechanisms in the Northern Segment of the Edwards aquifer, Bell County, Texas, Final report submitted to the Clearwater Underground Water Conservation District, Bell, County, Texas.
- Wong, Stephanie, **Yelderman, Joe C., Jr.**, and Worsley, Andrew, 2013, Peeking into the “Grey Box”: A multi-method approach to studying a karst aquifer in central Texas, GSA annual meeting, Denver, Co. Abstracts with Programs, Vol. 45, no. 7, P. 48.

- Yelderman, Joe C., Jr.**, MANAGING GROUNDWATER DURING DROUGHTS WITH DFCS AND MAG: CONFINED VERSUS UNCONFINED?, 4-5-13, South Central GSA, Austin, TX, Abstracts with Programs Vol. 45, No. 3.
- Wong, Stephanie S., **Yelderman, Joe C., Jr.**, and Byars, Bruce, 2012, *Developing a Geospatial Model for Analysis of a Dynamic, Heterogeneous Aquifer: The Brazos River Alluvium Aquifer, Central Texas*, Transactions of the Gulf Coast Association of Geological Societies and the Gulf Coast Section of the SEPM, 62nd Annual convention, Austin, Texas, p. 653-660.
- Fritch, T. G., McKnight, C. L., **Yelderman, J. C. Jr.**, Dworkin, S. I., and Arnold, J. G., 2000, A predictive modeling approach to assessing the groundwater pollution susceptibility of the Paluxy Aquifer, central Texas, using a Geographic Information System: *Environmental Geology*, 39 (9), p. 1063-1069.
- Fritch, Todd, Cleavy L. McKnight, **Joe C. Yelderman Jr.**, and Jeff G. Arnold, 2000, An aquifer vulnerability assessment of the Paluxy aquifer, Central Texas, using GIS and a modified DRASTIC approach, *Journal of Environmental Management*, Vol. 25, No. 3, p.337-345.
- Yelderman, Joe C. Jr.**, 1998, Conceptual Models for Shallow Non-karsted Carbonate Flow Systems, Abstracts with programs, SEPM Research Conference, Fluid Flow in Carbonates: Interdisciplinary Approaches, Door County, Wisconsin, September 20-24, 1998.
- Rodusky, Paul, and **Joe C. Yelderman Jr.**, 1996, The role of soils in non-point source groundwater pollution, Salado Creek basin, Abstracts with programs, p. 22, Soil Survey and Land Resource Workshop, Texas A&M University, College Station, Texas, February 15-16, 1996.
- Yelderman, Joe C. Jr.**, 1994, The Northernmost Edwards aquifer: the Washita Prairie, William F. Guyton Symposium, American Institute of Hydrology annual meeting, April, 10-14, 1994, Austin, Texas.
- Vauter, Brian, and **Yelderman, Joe C. Jr.**, 1993, The Hydrogeology of the Balcones Fault Zone Edwards Aquifer: San Antonio Region, Association of Engineering Geologists, Annual Meeting, Field Trip, 87 p.
- Yelderman, Joe C. Jr.**, 1990, Hydrogeology of the Washita Prairie Edwards aquifer, abstracts, Texas Academy of Science, San Marcos, Texas,
- Myrick, M.K., S.L. Dahl, S.L. Cannata, and **J. C. Yelderman Jr.**, 1988, The effects of fractures on porosity and anisotropy in a portion of the Edwards aquifer, Texas, in symposium proceedings of international conference on fluid flow in fractured rocks, Atlanta, Ga. p. 38-51.
- Yelderman, Joe C. Jr.**, 1987, Hydrogeology of the Edwards aquifer: Northern Balcones and Washita Prairie segments, Austin Geological Society, Guidebook 11, 91 p.
- Yelderman, Joe C. Jr.** and Andrew Collins, 1987, Springs of the Northern Balcones and Washita Prairie segments of the Edwards aquifer, in Hydrogeology of the Edwards aquifer: Northern Balcones and Washita Prairie Segments, Austin Geological Society, Guidebook 11, p.36-46.
- Cannata, Stan Lee and **Joe C. Yelderman Jr.**, Hydrogeology of the Edwards aquifer in the Washita Prairie: Bosque, Coryell, Hamilton and McLennan counties, Texas, in Hydrogeology of the Edwards aquifer: Northern Balcones and Washita Prairie Segments, Austin Geological Society .Guidebook 11, p. 47-60.
- Brown, Johnnie B., Kurt D. Ritch, and **Joe C. Yelderman Jr.**, 1986, The stratigraphy, geomorphology and groundwater of the Edwards Plateau, Texas, field trip guidebook, Baylor University, Geology Department Alumni, 34 p.
- Font, R. G., **J. C. Yelderman**, C. T. Hayward, and E. E. Baldwin, 1977, Field study of fracture patterns associated with the Balcones Fault Zone in North-Central Texas, *The Texas Journal of Science*, Volume, XXIX, Nos. 3 and 4, p. 187-194.