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EDUCATION

2006 - PhD Geology, University of South Florida, Tampa, Florida
1974 - MS Geology, San Diego State University, San Diego, California
1973 - BS Geology, San Diego State University, San Diego, California

ACADEMIC EXPERIENCE

August 2007-date

**Lecturer, Department of Earth and Environmental Sciences
University of Kentucky, Lexington, Kentucky**

Fall 2007: Geology of Natural Resources, Geology for Elementary Teachers, Field Geology, and a graduate seminar in teaching.

August 2006-May 2007

**Visiting Instructor, Department of Geography and Geosciences,
Bloomsburg University of Pennsylvania, Bloomsburg, Pennsylvania**

Fall 2006: Sedimentation and Stratigraphy, Natural Disasters, Physical Geology Laboratory. Spring 2007: Historical Geology, Historical Geology Laboratory, and Environmental Geology.

August 2005-July 2006

**Visiting Scholar, Lecturer, Department of Earth and Planetary Sciences
University of Tennessee, Knoxville, Tennessee**

Fall 2005: Physical Geology. Spring 2006: Petroleum Geology, an upper-level course developed to introduce students to the science of petroleum geology, and Environmental Geology.

January 1999-May 2005

**Graduate Teaching Associate, Geology Department
University of South Florida, Tampa, Florida**

Course Instructor: Science, Life and Earth (science survey course for non-science majors); Historical Geology.

Course Teaching Associate: Physical Geology, Historical Geology, and Science, Life and Earth.

Laboratory Instructor: Physical Geology, Geology for Engineers, Historical Geology, Geologic Time (stratigraphy and paleontology), Earth's Surface (geomorphology and sedimentology), Sedimentary Petrology, and Depositional Systems. Served as Head TA for Physical Geology, Historical Geology, and Geology for Engineers responsible for supervision and coordinating curricula presentation with three other Graduate Teaching Assistants in each lab course.

PUBLICATIONS

Journal and Electronic Articles

- Bowersox, J.R.**, 2005, Reassessment of extinction patterns of Pliocene molluscs from California and environmental forcing of extinction in the San Joaquin Basin: Palaeogeography, Palaeoclimatology, Palaeoecology, vol. 221, p. 55-82.
- Bowersox, J.R.**, 2004, Late Neogene Paleobathymetry, Relative Sea Level, and Basin Margin Subsidence, Northwest San Joaquin Basin, California: American Association of Petroleum Geologists, Search and Discovery Article #30029, unpaginated [7 p.].
www.searchanddiscovery.com/documents/2004/bowersox/index.htm

Abstracts and Posters

- Bowersox, J.R.**, and Harries, P.J., 2007a, Cross-scale temporal and spatial diversity and structure of molluscan faunas from the Pliocene Etchegoin group, San Joaquin Basin, central California [abstract]: Geological Society of America, Abstracts with Programs vol. 39, no. 6.
- Bowersox, J.R.**, and Harries, P.J., 2007b, Multivariate analysis of molluscan biofacies of the Pliocene Etchegoin group, San Joaquin Basin, central California [abstract]: Geological Society of America, Abstracts with Programs vol. 39, no. 6.
- Bowersox, J.R.**, 2004a, Late Neogene Paleobathymetry, Relative Sea Level, and Basin Margin Subsidence, Northwest San Joaquin Basin, California [abstract]: American Association of Petroleum Geologists, Annual Convention Abstracts Volume, v.13, p. A16; American Association of Petroleum Geologists, Search and Discovery Article #90026.
www.searchanddiscovery.com/documents/abstracts/annual2004/Dallas/bowersox.htm
- Bowersox, J.R.**, 2004b, Determining freshwater Sr isotopic contribution to paleosalinity in the Pliocene San Joaquin Basin, California [abstract]: EOS, Transactions of the American Geophysical Union, vol. 85, no. 28, Western Pacific Geophysical Meeting Supplement, Abstract OS21A-23. *www.agu.org/meetings/wp04/waiswp04.html*
- Bowersox, J.R.**, 2004c, Sea-level control of molluscan diversity and extinction in the Pliocene San Joaquin Basin, central California [abstract]: Geological Society of America, Abstracts with Programs, vol. 36, no. 5, p. 366.
- Bowersox, J.R.**, 2003a, Reassessment of Pliocene marine mollusc extinction patterns: Western Atlantic, Eastern Pacific, and San Joaquin Basin, California [abstract]: Geological Society of America, Abstracts with Programs, vol. 35, no. 1, p. 66.
- Bowersox, J.R.**, 2003b, Pliocene age of the Etchegoin Group, San Joaquin Basin, California [abstract]: American Association of Petroleum Geologists, Search and Discovery Article #90014.
www.searchanddiscovery.com/documents/abstracts/spe_aapg2003/bowersox.pdf
- Bowersox, J.R.**, 2003c, Salinity tolerance of the freshwater mussel *Anodonta dejecta* Lewis in Holocene lake Cahuilla, southeastern California: a caution in the use of fossil freshwater mussels as a freshwater indicator in stable isotope studies [abstract]: Geological Society of America, Abstracts with Programs, vol. 35, no. 6, p. 212.

Theses

Bowersox, J.R., 2006, Community structure, faunal distribution, and environmental forcing of the extinction of marine molluscs in the Pliocene San Joaquin Basin, central California [PhD thesis]: Tampa, Florida, University of South Florida, 390 p.

Bowersox, J.R., 1974, Nearshore environments of the late Pleistocene Nestor terrace, Point Loma, California [MS thesis]: San Diego, California, San Diego State University, 73 p., 1 pl.

GRANTS AWARDS, AND HONORS

American Geophysical Union, 2004 Western Pacific Geophysics Meeting Student Travel Grant
University of South Florida Geology Alumni Society, R.C. Davis Endowed Fellowship, 2004
University of South Florida, Tharp Endowed Award, 2000, 2001, 2002, 2003, 2004
Sigma Xi, Grant in Aid of Research, 2000

PROFESSIONAL SERVICE

Reviewer: Quaternary International; American Chemical Society, Petroleum Research Fund
Pennsylvania State System of Higher Education, Faculty Professional Development
Council, Annual Grants Program 2007

Advisor: University of Tennessee, Office of Real Estate Administration
Conservation Committee of California Oil and Gas Producers, District 4, 1997-1998

PROFESSIONAL ORGANIZATIONS

American Association of Petroleum Geologists
Session Chair, 1987 Annual Meeting
American Association of Petroleum Geologists, Pacific Section
Secretary 1989-1990; Vice President 1991-1992
Annual Meeting General Chairman, 1986;
American Geophysical Union
Geological Society of America
Society of Economic Paleontologists and Mineralogists

LICENSES AND CERTIFICATIONS

State of Florida
Professional Geologist #2027, 1998-date
State of California
Registered Geologist #3514, 1979-date
Registered Environmental Assessor-I #1457, 1986-2000
American Institute of Professional Geologists
Certified Professional Geologist #6309, 1983-date

PETROLEUM INDUSTRY EXPERIENCE

May 1998-December 1998

Consulting Petroleum Geologist

Clearwater, Florida

Provided clients with geological evaluation and due diligence review of oil and gas properties for acquisition and development, operations support including wellsite geology, and environmental regulatory compliance support.

March 1990-April 1998

Geological Manager

Bakersfield Energy Resources, Inc.

Bakersfield, California

Responsible for geological evaluation and due diligence review of oil and gas properties for acquisition and development, operations support including wellsite geology and environmental regulatory compliance, review of corporate finances and program economics, legal and contract review, SEC document preparation and review, and right-of-way negotiation and acquisition. Performed Phase I environmental assessments for company clients. Responsible for permitting Class I injection wells. Evaluated and monitored surface subsidence due to reservoir compaction of company's major properties. Developed petrophysical models for reservoir evaluation, development, management, and reserves determination of company properties. Developed and administered employee 401k Plan and employee safety and policy manuals. Corporate Secretary February 1991 to August 1997, Partner 1992 to 2003 when business disincorporated, Director September 1992 to August 1997. Reported to the CEO.

August 1985-February 1990

Geological Manager

Mission Resources, Inc.

Bakersfield, California

Responsible for the geological evaluation and due diligence review of oil and gas properties throughout the United States, for acquisition, development, and exploration; operations support including wellsite geology and environmental regulatory compliance; review of program economics; contract review, litigation support, and SEC document preparation and review. Evaluated and monitored surface subsidence due to reservoir compaction of company's major property. Developed petrophysical models for reservoir evaluation, development, management, and reserves determination of company properties. Reported to the VP of Energy Development.

January 1975-August 1985

Getty Oil Company/Texaco Inc. (now Chevron Corp.)

Bakersfield, California

Held various staff, supervisory, and management positions. Other duties included on-campus recruiting, training and evaluation of entry-level geologists, and in-house petrophysics instructor.

PUBLICATIONS

Journal and Electronic Articles

Mulhern, M. E., Laing, J. E., Senecal, J. E., Widdicombe, R. E., Isselhardt, C., and **Bowersox, J. R.**, 1985, Electrofacies identification of lithology and stratigraphic trap, southeast Lost Hills fractured shale pool, Kern County, California: *Geobyte*, vol. 1, no. 4, p. 48-56.

Book and Guidebook Articles

Bowersox, J.R., 1990, Geology of the Belridge diatomite, northern South Belridge field, Kern County, California, in J.G. Kuespert and S.A. Reid, editors, *Structure, Stratigraphy and Hydrocarbon Occurrences of the San Joaquin Basin: Society of Economic Paleontologists and Mineralogists and American Association of Petroleum Geologists, Pacific Sections*, p. 215-224.

Bowersox, J.R., and Shore, R.A., 1990, Reservoir compaction of the Belridge diatomite and surface subsidence, South Belridge field, Kern County, California: in J.G. Kuespert and S.A. Reid, editors, *Structure, Stratigraphy and Hydrocarbon Occurrences of the San Joaquin Basin: Society of Economic Paleontologists and Mineralogists and American Association of Petroleum Geologists, Pacific Sections*, p. 225-230.

Kiser, S.M., **Bowersox, J.R.**, and Miller, E.E., 1988, Upper Miocene turbidite deposition, Crocker Canyon area, Section 18, T31S/R22E, southwest San Joaquin Valley, California: *San Joaquin Geological Society, Selected Papers*, vol. 7, p. 22-31.

Hunter, W.A., Kenworthy, L.G., and **Bowersox, J.R.**, 1984, Geology of the Todhunters Lake gas field, in A.A. Almgren and P.D. Hacker, editors, *Paleogene Submarine Canyons of the Sacramento Valley, California: American Association of Petroleum Geologists, Pacific Section, Symposium Volume 1*, p. 151-163.

McGuire, M.D., **Bowersox, J.R.**, and Earnest, L.J., 1983, Diagenetically enhanced entrapment of hydrocarbons – southeastern Lost Hills fractured shale pool, Kern County, California, reprinted 1984, *San Joaquin Geological Society, Selected Papers*, vol. 6, p. 40-50.

McGuire, M.D., **Bowersox, J.R.**, and Earnest, L.J., 1983, Diagenetically enhanced entrapment of hydrocarbons - southeastern Lost Hills fractured shale pool, Kern County, California, in C.M. Isaacs and R.E. Garrison, editors, *Petroleum Generation and Occurrence in the Miocene Monterey Formation, California: Society of Economic Paleontologists and Mineralogists, Pacific Section*, p. 171-183.

Bowersox, J.R., Miller, E.E., and Ryall, P.L., 1977, Road guide to late Miocene sands of the west side of the southern San Joaquin Valley and Temblor Range, in B. Bazeley, editor, *1977 Guide Book, Late Miocene Geology and New Oil Fields of the Southern San Joaquin Valley: American Association of Petroleum Geologists, Society of Exploration Geophysicists, and Society of Economic Paleontologists and Mineralogists, Pacific Sections*, p. 86-88.

Abstracts and Posters

Bowersox, J.R., 1997, Development of marginal fractured siliceous shale reservoirs with horizontal wells in Lost Hills Field, California [abstract]: *American Association of Petroleum Geologists Bulletin*, vol. 81, p. 680.

Bowersox, J.R., and Shore, R.A., 1990, Reservoir compaction of the Belridge diatomite and surface subsidence, South Belridge field, Kern County, California [abstract]: *American Association of Petroleum Geologists Bulletin*, vol. 74, p. 616.

- Bowersox, J.R.**, and Olson, D.M., 1987, Strike-slip offset along the McKittrick fault, western Kern County, California [abstract]: American Association of Petroleum Geologists Bulletin, vol. 69, p. 533, 1018.
- Mulhern, M. E., Laing, J. E., Senecal, J. E., Widdicombe, R. E., Isselhardt, C., and **Bowersox, J. R.**, 1985, Electrofacies identification of lithology and stratigraphic trap, southeast Lost Hills fractured shale pool, Kern County, California [abstract]: American Association of Petroleum Geologists Bulletin, vol.69, p. 671.
- Chandler, S.M., **Bowersox, J.R.**, and Miller, E.E., 1978, Late Miocene turbidite deposition, Crocker Canyon area, southwest San Joaquin Valley, California [abstract]: American Association of Petroleum Geologists Bulletin, vol. 62, p. 2351-2352.
- Bowersox, J.R.**, 1974, Paleoecology of upper Lake Cahuilla, California [abstract]: Geological Society of America Abstracts With Programs, vol. 6, no. 3, p. 146.