

Juliet C. Stromberg

Date of birth: Dec. 28, 1956

Spouse: Matt Chew

Residence: Phoenix, Arizona

Research interests: I am a plant ecologist within the School of Life Sciences at Arizona State University. I specialize in endangered plants and endangered ecosystems, with emphasis on wetlands, riparian areas, and desert grasslands. My research aims to understand how human activities in dryland regions influence riparian plant populations, communities, and landscapes. I am particularly interested in vegetation-hydrology interactions, and in applying knowledge in restoration and management contexts.

Key words: plant populations, communities and landscapes; floods, fire, and ecosystem disturbance; environmental flows and stream restoration; seed banks and seed dispersal; rivers and riparian ecosystems; arid and semi-arid regions; rare and endangered plant species; urban ecology.

I. EMPLOYMENT

2015-present: Associate Professor, School of Life Sciences, Arizona State University, Tempe (50% time)

2007-2015: Associate Professor, School of Life Sciences, Arizona State University, Tempe (75% time)

2003-2007: Associate Professor, School of Life Sciences, Arizona State University, Tempe

1997-2003: Associate Professor w/Tenure, Plant Biology Department, Arizona State University, Tempe

1994-1997: Associate Research Professor, Center for Environmental Studies and Adjunct Professor of Botany, Arizona State University, Tempe

1989-1994: Assistant Research Professor, Center for Environmental Studies, Arizona State University, Tempe

II. EDUCATION

Ph.D., Plant Ecology. Arizona State University, 1988. Dissertation: Reproduction and establishment of Arizona walnut (*Juglans major*)

M.S., Botany. University of Wisconsin-Milwaukee, 1981. Thesis: Autecology of *Drosera linearis*, a declining species

B.S., Botany. University of Wisconsin-Milwaukee, 1979.

III. RESEARCH AND SCHOLARLY ACTIVITIES

Publications- Journal articles

102. Wolkis, DM and JC Stromberg. In review. Ecology and conservation of desert ciénegas.

101. Stromberg JC, D Setaro, E Gallo, KA Lohse, and T Meixner. In review. Riparian vegetation of ephemeral streams. *Journal of Arid Environments*.

100. Weber MA, T Meixner, JC Stromberg. 2016. Valuing instream-related services of wastewater. *Ecosystem Services* 21: 59-71.

99. Hamdan A and JC Stromberg. 2016. Effects of a canal barrier on ephemeral stream channel vegetation in the Sonoran Desert. *Journal of Arid Environments* 125:1-7.

98. Stromberg, J and D. Merritt. 2016. Riparian plant guilds of ephemeral, intermittent and perennial rivers. *Freshwater Biology* 8:1259-1275.

97. Stromberg JS, A Eyden, R Madera, J Samsky III, E Makings, F Coburn, and B Scott. 2016. Provincial and cosmopolitan: floristic composition of a dryland urban river. *Urban Ecosystems*. Urban

- Ecosystems 19(1) 429-453.
96. Boudell JA, MD Dixon, SB Rood, JC Stromberg. 2015. Restoring functional riparian ecosystems: concepts and applications. *Ecohydrology* 8(5): 747-752.
 95. Boudell JA and JC. Stromberg. 2015. Impact of nitrate enrichment on wetland and dryland seed germination and early seedling development. *Journal of Vegetation Science* 26(3):452–463.
 94. Bateman HL, JC Stromberg, MJ Banville, E Makings, BD Scott, A Suchy, DM Wolkis. 2015. Novel water sources restore plant and animal communities along an urban river. *Ecohydrology* 8(5):792-811.
 93. Overton IC, Smith DM, Dalton J, Barchiesi S, Acreman MC, Stromberg JC, and Kirby JM. 2014. Implementing environmental flows in integrated water resources management and the ecosystem approach. *Hydrological Sciences Journal* 59:860-877.
 92. Kehr JM, DM Merritt, JC Stromberg. 2014. Linkages between primary seed dispersal, hydrochory, and flood timing in a dryland river. *Journal of Vegetation Science* 25:287-300.
 91. Brand LA, MD Dixon, T Fetz, JC Stromberg, S Stewart, G Garber, DC Goodrich, DS Brookshire, CD Broadbent, K Benedict. 2013. Projecting avian response to landscape management along the Middle Rio Grande, New Mexico. *Southwestern Naturalist* 58:150-162.
 90. Stromberg JC, JA Boudell. 2013. Floods, drought, and seed mass of riparian plant species. *Journal of Arid Environments* 97:99-107.
 89. Stromberg JC. 2013. Root patterns and hydrogeomorphic niches of riparian plants in the American Southwest. *Journal of Arid Environments* 94: 1-9.
 88. Stromberg JC, K McCluney, M Dixon, T Meixner. 2013. Dryland riparian ecosystems in the American Southwest: sensitivity and resilience to climatic extremes. *Ecosystems* 16 (3):411-415.
 87. Stromberg JC, PB Shafroth, AF Hazelton. 2012. Legacies of flood reduction on a dryland river. *River Research and Applications* 28:143-159.
 86. Soykan CU, LA Brand, L Ries, JC Stromberg, C Hass, DA Simmons Jr., WJD Patterson, JL Sabo. 2012. Multitaxonomic diversity patterns along a desert riparian–upland gradient. *PLoS One* 7(1):e28235. doi:10.1371/journal.pone.0028235 <http://dx.plos.org/10.1371/journal.pone.0028235>
 85. Katz GL, MW Denslow, JC Stromberg. 2012. The Goldilocks effect: Intermittent stream reaches sustain more plant species than those with perennial or ephemeral flow. *Freshwater Biology* 57(3):467-480.
 84. Stromberg JC, L Butler, AF Hazelton, JA Boudell. 2011. Seed size, sediment, and spatial heterogeneity: Post-flood species coexistence in riparian ecosystems. *Wetlands* 31(6): 1187-1197.
 83. Makings E, L Butler, M Chew, J Stromberg. 2011. “Found, then drowned” Three noteworthy collections from Tempe Town Lake Riverbed. *Desert Plants* 27(1):3-10.
 82. Davis MA, MK Chew, RJ Hobbs AE Lugo, JJ Ewel, GJ Vermeij, JH Brown, ML Rosenzweig, MR Gardener, SP Carroll, K Thompson, STA Pickett, JC Stromberg, P Del Tredici, KN Suding, JG Ehrenfeld, JP Grime, J Mascaro, JC Briggs. 2011. Don’t judge species on their origins. *Nature* 474:153-154.
 81. Brand LA, JC Stromberg, DC Goodrich, MD Dixon, K Lansey, D Kang, DS Brookshire, DJ Cerasale. 2011. Projecting avian response to linked changes in groundwater and riparian floodplain vegetation along a dryland river: a scenario analysis. *Ecohydrology* 4:130-142.
 80. Stromberg JC, SJ Lite, MD Dixon. 2010. Effects of stream flow patterns on riparian vegetation of a semiarid river: implications for a changing climate. *River Research and Applications* 26(6):712-729.
 79. Brand LA, JC Stromberg, BR Noon. 2010. Avian density and nest survival on the San Pedro River: importance of vegetation type and hydrologic regime. *Journal of Wildlife Management* 74(4):739-754.

78. Stromberg JC, MGF Tluczek, AF Hazelton, H Ajami. 2010. A century of riparian forest expansion following extreme disturbance: spatio-temporal change in *Populus/Salix* forests along the Upper San Pedro River, Arizona. *Forest Ecology and Management* 259:1181-1189.
77. Stromberg JC, TJ Rychener. 2010. Effects of fire on riparian forests along a free-flowing dryland river. *Wetlands* 30:75-86.
76. White J, JC Stromberg. 2009. Resilience, restoration, and riparian ecosystems: Case study of a dryland, urban river. *Restoration Ecology* 17(3):1-11.
75. Katz GL, JC Stromberg, MW Denslow. 2009. Streamside herbaceous vegetation response to hydrologic restoration on the San Pedro River, Arizona. *Ecohydrology* 2(2):213-225.
74. Stromberg JC, AF Hazelton, MS White, JM White, RA Fischer. 2009. Ephemeral wetlands along a spatially intermittent river: Temporal patterns of vegetation development. *Wetlands* 29:330-342.
73. Bark RH, DE Osgood, BG Colby, G Katz, J Stromberg. 2009. Habitat preservation and restoration: Do homebuyers have preferences for quality habitat? *Ecological Economics* 68:1465-1475.
72. Stromberg JC, TJ Rychener, MD Dixon. 2009. Return of fire to a free-flowing desert river: Effects on vegetation. *Restoration Ecology* 17(3):327-338.
71. Stromberg JC, MK Chew, PL Nagler, EP Glenn. 2009. Changing perceptions of change: The role of scientists in *Tamarix* and river management. *Restoration Ecology* 17(2):177-186.
70. Stromberg JC, AF Hazelton, MS White. 2009. Plant species richness in ephemeral and perennial reaches of a dryland river. *Biodiversity and Conservation* 18(3):663-677.
69. Boudell JA, JC Stromberg. 2008. Propagule banks: Potential contribution to restoration of an impounded and dewatered riparian ecosystem. *Wetlands* 28(3):656-665.
68. Beauchamp VB, JC Stromberg. 2008. Changes to herbaceous plant communities on a regulated desert river. *River Research and Applications* 24:754-770.
67. Boudell JA and JC Stromberg. 2008. Flood pulsing and metacommunity dynamics in a desert riparian ecosystem. *Journal of Vegetation Science* 19:373-380.
66. Stromberg JC, JA Boudell, AF Hazelton. 2008. Differences in seed mass between hydric and xeric plants influence seed bank dynamics in a dryland riparian ecosystem. *Functional Ecology* 22:205-212.
65. Patten DT, L Rouse, JC. Stromberg. 2008. Isolated spring wetlands in the Great Basin and Mojave Deserts, U.S.A.: Potential response of vegetation to groundwater withdrawal. *Environmental Management* 41(3):398-413.
64. Stromberg JC. 2007. Hydrologic changes and riparian forests: The saltcedar story. *Southwest Hydrology* 6:30-32.
63. Beauchamp VB, JC Stromberg. 2007. Flow regulation of the Verde River, Arizona encourages *Tamarix* recruitment but has minimal effect of *Populus* and *Salix* stand density. *Wetlands* 27:381-389.
62. Stromberg JC SJ Lite, R Marler, C Paradzick, PB Shafroth, D Shorrock, J White, M White. 2007. Altered stream flow regimes and invasive plant species: the *Tamarix* case. *Global Ecology and Biogeography* 16:381-393.
61. Stromberg JC, VB Beauchamp, MD Dixon, SJ Lite, C Paradzick. 2007. Importance of low-flow and high-flow characteristics to restoration of riparian vegetation along rivers in arid southwestern United States. *Freshwater Biology* 52:651-679.
60. Stromberg JC. 2007. Seasonal reversals of upland-riparian diversity gradients in the Sonoran Desert. *Diversity and Distributions* 13:70-83.
59. Beauchamp VB, JC Stromberg, JC Stutz. 2007. Flow regulation has minimal influence on mycorrhizal fungi of a semi-arid floodplain ecosystem despite changes in hydrology, soils, and vegetation. *Journal of Arid Environments* 68:188-205.

58. Richardson DM, PM Holmes, KJ Esler, SM Galatowitsch, JC Stromberg, SP Kirkman, P Pysek, RJ Hobbs. 2007. Riparian vegetation: degradation, alien plant invasions, and restoration prospects. *Diversity and Distributions* 13:126-139.
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56. Beauchamp VB, JC Stromberg, JC Stutz. 2006. Arbuscular mycorrhizal fungi associated with *Populus-Salix* stands in a semiarid riparian ecosystem. *New Phytologist* 170(2):369-380.
55. Bagstad KJ, SJ Lite, JC Stromberg. 2006. Vegetation, soils and hydrogeomorphology of riparian patch types of a dryland river. *Western North American Naturalist* 66:23-44
54. Baird K, J Stromberg, T Maddock. 2005. Linking riparian dynamics and groundwater: An eco-hydrologic approach to modeling groundwater and riparian vegetation. *Environmental Management* 36:551-564.
53. Lite SJ, KJ Bagstad, JC Stromberg. 2005. Riparian plant species richness along lateral and longitudinal gradients of water stress and flood disturbance, San Pedro River, Arizona, USA. *Journal of Arid Environments* 63(4):785-813.
52. Beauchamp VB, JC Stromberg, JC Stutz. 2005. Interactions between *Tamarix ramosissima* (saltcedar), *Populus fremontii* (cottonwood), and mycorrhizal fungi: effects on seedling growth and plant species coexistence. *Plant and Soil* 275 (1-2):221-231.
51. Lite SJ, JC Stromberg. 2005. Surface water and ground-water thresholds for maintaining *Populus - Salix* forests, San Pedro River, Arizona. *Biological Conservation* 125:153-167.
50. Stromberg JC, KJ Bagstad, JM Leenhouts, SJ Lite, E Makings. 2005. Effects of stream flow intermittency on riparian vegetation of a semiarid region river (San Pedro River, Arizona). *River Research and Applications* 21:925-938.
49. Bagstad KJ, JC Stromberg and SJ Lite. 2005. Response of herbaceous riparian plants to rain and flooding on the San Pedro River, Arizona, USA. *Wetlands* 25:210-223.
48. Ortiz-Barney E, JC Stromberg and VB Beauchamp. 2005. The Floristic Relay Game: a board game to teach plant community succession and disturbance dynamics. *Teaching Issues and Experiments in Ecology*. Volume 3, Experiment #4 [online] <http://tiee.ecoed.net/vol/v3/experiments/floristic/abstract.html>.
47. Richter R. and J.C. Stromberg. 2005. Soil seed bank of two montane riparian areas: Implications for restoration. *Biodiversity and Conservation* 14:993-1016.
46. Stromberg, J.C., S.J. Lite and M.K. Chew. 2003. Alien plants and riparian ecosystem restoration: the *Tamarix* case. *Southwest Hydrology* 2(2): 22-23.
45. Stromberg, J.C. and M.K. Chew. 2003. Fire and riparian ecosystems. *Southwest Hydrology* 2(2):23.
44. Graf, W.L, J. Stromberg and B. Valentine. 2002. Rivers, dams, and willow flycatchers: A summary of their science and policy connections. *Geomorphology* 47:169-188.
43. Stromberg, J.C. 2002. Flood flows and population dynamics of Arizona sycamore (*Platanus wrightii*). *Western North American Naturalist* 62:170-187.
42. Shafroth, P.B., J.C. Stromberg, and D.T. Patten. 2002. Riparian vegetation response to altered disturbance and stress regimes. *Ecological Applications* 12:107-123.
41. Stromberg, J.C. 2001. Restoration of riparian vegetation in the southwestern United States: importance of flow regimes and fluvial dynamism. *Journal of Arid Environments* 49:17-34.
40. Levine, C.M. and J.C. Stromberg. 2001. Effects of flooding on native and exotic plant seedlings: implications for restoring southwestern riparian forests by manipulating water and sediment flows. *Journal of Arid Environments* 49:111-131.
39. Marler, R.J., J.C. Stromberg, and D.T. Patten. 2001. Growth response of *Populus fremontii*, *Salix*

- gooddingii*, and *Tamarix ramosissima* seedlings under different nitrogen and phosphorus concentrations. *Journal of Arid Environments* 49: 133-146
38. Drezner, T., P. Fall and J.C. Stromberg. 2001. Plant distribution and dispersal mechanisms at the Hassayampa River Preserve, Arizona, USA. *Global Ecology and Biogeography* 10:205-217.
 37. Stromberg, J.C. 2001. Influence of stream flow regime and temperature on growth rate of the riparian tree, *Platanus wrightii*, in Arizona. *Freshwater Biology* 46:227-240.
 36. Stromberg, J.C. 2001. Biotic integrity of *Platanus wrightii* riparian forests in Arizona: first approximation. *Forest Ecology and Management* 142:249-264.
 35. Shafroth, P.B., J.C. Stromberg and D.T. Patten. 2000. Woody riparian vegetation response to different alluvial water-table regimes. *Western North American Naturalist* 60(1):66-76.
 34. Springer, A.E., J.M. Wright, P.B. Shafroth, J.C. Stromberg and D.T. Patten. 1999. Coupling ground-water and riparian vegetation models to simulate riparian vegetation changes due to a reservoir release. *Water Resources Research* 35:3621-3630.
 33. Hofstra, T.S., J.C. Stromberg and J.C. Stutz. 1999. Factors associated with wetwood intensity of Fremont cottonwood (*Populus fremontii*) in Arizona. *Great Basin Naturalist* 59(1):85-91.
 32. Stromberg, J. 1998. Dynamics of Fremont cottonwood (*Populus fremontii*) and saltcedar (*Tamarix chinensis*) populations along the San Pedro River, Arizona. *Journal of Arid Environments* 40: 133-155.
 31. Shafroth, P.B., G.T. Auble, J.C. Stromberg and D.T. Patten. 1998. Establishment of woody riparian vegetation in relation to annual patterns of streamflow, Bill Williams River, Arizona. *Wetlands* 18:577-590.
 30. Stromberg, J.C. 1998. Functional equivalency of saltcedar (*Tamarix chinensis*) and Fremont cottonwood (*Populus fremontii*) along a free-flowing river. *Wetlands* 18:675-686.
 29. Poff, N.L., J.D. Allan, M.B. Bain, J.R. Karr, K.L. Prestegard, B.D. Richter and J.C. Stromberg. 1997. The natural flow regime: A paradigm for river conservation and restoration. *BioScience* 47:769-784.
 28. Stromberg, J.C. and M.K. Chew. 1997. Herbaceous exotics in Arizona's riparian ecosystems. *Desert Plants* 13:11-17.
 27. Wolden, L.G. and J.C. Stromberg. 1997. Experimental treatments (and unplanned natural events) for restoration of the herbaceous understory in an arid-region riparian ecosystem. *Restoration and Management Notes* 15:161-167.
 26. Stromberg, J.C. 1997. Growth and survivorship of Fremont cottonwood, Goodding willow, and salt cedar seedlings after large floods in central Arizona. *Great Basin Naturalist* 57:198-208.
 25. Stromberg, J.C., J. Fry and D.T. Patten. 1997. Marsh development after large floods in an alluvial, arid-land river. *Wetlands* 17:292-300.
 24. Stromberg, J.C., R. Tiller and B. Richter. 1996. Effects of groundwater decline on riparian vegetation of semiarid regions: the San Pedro River, Arizona, USA. *Ecological Applications* 6:113-131.
 23. Stromberg, J. C. and D. T. Patten. 1995. Instream flow and cottonwood growth in the eastern Sierra Nevada of California USA. *Regulated Rivers* 12:1-12.
 22. Wolden, L.G., J.C. Stromberg and D.T. Patten. 1994. Flora and vegetation of the Hassayampa River Preserve. *Journal of the Arizona Nevada Academy of Science* 28:76-111.
 21. Stromberg, J.C. 1993. Riparian mesquite forests: a review of their ecology, threats, and recovery potential. *Journal of the Arizona-Nevada Academy of Science* 27:111-124.
 20. Stromberg, J.C. 1993. Fremont cottonwood-Goodding willow riparian forests: a review of their ecology, threats, and recovery potential. *Journal of the Arizona-Nevada Academy of Science* 27:97-110.
 19. Stromberg, J.C. and D.T. Patten. 1993. Seed and cone production by Engelmann Spruce in the Pinaleno Mountains, Arizona. *Journal of the Arizona-Nevada Academy of Science* 27:79-88.
 18. Stromberg, J.C., B.D. Richter, D.T. Patten and L.G. Wolden. 1993. Response of a Sonoran riparian forest

- to a 10-year return flood. *Great Basin Naturalist* 53(2):118-130.
17. Stromberg, J. 1993. Instream flow models for mixed deciduous riparian vegetation within a semiarid region. *Regulated Rivers- Research and Management* 8:225-235.
 16. Stromberg, J.C., S.D. Wilkins and J.A. Tress. 1993. Vegetation-hydrology models as management tools for velvet mesquite (*Prosopis velutina*) riparian ecosystems. *Ecological Applications* 3(2):307-314.
 15. Stromberg, J.C. and D.T. Patten. 1992. Mortality and age of black cottonwood stands along diverted and undiverted streams in the eastern Sierra Nevada, California. *Madrono* 39:205-223.
 14. Stromberg, J.C. and D.T. Patten. 1992. Response of *Salix lasiolepis* to augmented stream flows in the upper Owens River. *Madrono* 39:224-235.
 13. Stromberg, J.C., J.A. Tress, S. D. Wilkins and S. Clark. 1992. Response of velvet mesquite to groundwater decline. *Journal of Arid Environments* 23:45-58.
 12. Stromberg, J.C., D.T. Patten and B.D. Richter. 1991. Flood flows and dynamics of Sonoran riparian forests. *Rivers* 2(3):221-235.
 11. Stromberg, J.C. and D.T. Patten. 1991. Dynamics of the spruce-fir forest on the Pinaleno Mountains, Graham County, Arizona. *Southwestern Naturalist* 36(1):37-48.
 10. Stromberg, J.C. and D.T. Patten. 1991. Instream flow requirements for cottonwoods at Bishop Creek, Inyo County, California. *Rivers* 2(1):1-11.
 9. Wolden, L., J. Stromberg, D. Patten and H. Richter. 1991. Understory restoration in three riparian forest types (Arizona). *Restoration and Management Notes* 8(2):116-117.
 8. Stromberg, J.C. and D.T. Patten. 1990. Flower production and floral ratios of a Southwestern riparian tree, Arizona walnut (*Juglans major*). *American Midland Naturalist* 124(2):278-288.
 7. Stromberg, J.C. and D.T. Patten. 1990. Variation in seed size of a Southwestern riparian tree, Arizona walnut (*Juglans major*). *American Midland Naturalist* 124(2):269-277.
 6. Stromberg, J.C. and D.T. Patten. 1990. Riparian vegetation instream flow requirements: a case study from a diverted stream in the eastern Sierra Nevada, California. *Environmental Management* 14(2):185-194.
 5. Stromberg, J.C. and D.T. Patten. 1990. Seed production and seedling establishment of a southwest riparian tree, Arizona walnut (*Juglans major*). *Great Basin Naturalist* 50(1):47-56.
 4. Stromberg, J.C. and F. Stearns. 1989. *Plantago cordata* in Wisconsin. *Michigan Botanist* 28:3-16.
 3. Stromberg-Wilkins, J. C. 1984. Autecological studies of *Drosera linearis*, a threatened sundew species. *University of Wisconsin-Milwaukee Field Station Bulletin* 17:1-16.
 2. Stromberg, J.C. and T.M. Krischan. 1983. Vegetation structure at Punta Cirio, Sonora, Mexico. *Southwestern Naturalist* 28:211-214.
 1. Stromberg, J.C., M. Kunowski and F. Stearns. 1983. Preservation and introduction of heart-shaped plantain. *Restoration and Management Notes* 1:29.

Books

1. Stromberg JC and B Tellman, editors. 2009. *Ecology and Conservation of the San Pedro River*. University of Arizona Press.

Book chapters

15. Stromberg JC. 2013. Foreword to *Tamarix: A Case Study of Ecological Change in the American West*. A Sher and M Quigley, eds. Oxford University Press, New York.
14. Stromberg JC, DC Andersen, ML Scott. 2012. Riparian floodplain wetlands of the arid and semiarid Southwest. Pages 343-356 in *Wetland Habitats of North America: Ecology and Conservation Concerns*. D Batzer and A Baldwin, eds. University of California Press, Berkeley, CA.

13. Galbraith H, MD Dixon, JC Stromberg, JT Price. 2010. Predicting climate change risks to riparian ecosystems in arid watersheds: the Upper San Pedro as a case study. *In Environmental Risk and Management from a Landscape Perspective*, LA Kapustka and WG Landis, eds. John Wiley & Sons.
12. Stromberg, JC, SJ Lite, MD Dixon, RL Tiller. 2009. Riparian vegetation: pattern and process. Pages 13-36 in *Ecology and Conservation of The San Pedro River*. JC Stromberg and B Tellman, eds. University of Arizona Press.
11. Dixon MD, JC Stromberg, JT Price, H Galbraith, AK Fremier, EW Larsen. 2009. Potential effects of climate change on the upper San Pedro riparian ecosystem. Pages 57-72 in *Ecology and Conservation of the San Pedro River*. JC Stromberg and B Tellman, eds. University of Arizona Press.
10. Stromberg JC, Bagstad KJ, Makings E. 2009. Floristic diversity. Pages 89-106 in *Ecology and Conservation of The San Pedro River*. JC Stromberg and B Tellman, eds. University of Arizona Press.
9. Green, DM, Stromberg JC, RL Tiller. 2009. Riparian soils. Pages 268-284 in *Ecology and Conservation of The San Pedro River*. JC Stromberg and B Tellman, eds. University of Arizona Press.
8. Stromberg JC, MD Dixon, RL Scott, T Maddock III, KJ Baird, B. Tellman. 2009. Status of the Upper San Pedro riparian ecosystem. Pages 371-387 in *Ecology and Conservation of the San Pedro River*. JC Stromberg and B Tellman, eds. University of Arizona Press.
7. Patten D, L Rouse, J Stromberg. 2008. Vegetation dynamics of Great Basin Springs: potential effects of groundwater withdrawal. *In Aridland Springs in North America, Ecology and Conservation*. L Stevens and VJ Meretsky, eds. University of Arizona Press.
6. Stromberg J, M Briggs, M Scott, and P Shafroth. 2004. Riparian ecosystem assessments. Pages 314-329 in *Riparian Areas of the Southwestern United States: Hydrology, Ecology, and Management*. M Baker Jr., P Ffolliott, L DeBano, and DG Neary, eds. Lewis Publishers (CRC Press), Boca Raton, Florida.
5. Stromberg, J., M. Briggs, C. Gourley, M. Scott, P. Shafroth, and L. Stevens. 2004. Human alterations of riparian ecosystems. Pages 101-126 in *Riparian Areas of the Southwestern United States: Hydrology, Ecology, and Management*. M Baker Jr., P Ffolliott, L DeBano, and DG Neary, eds. Lewis Publishers (CRC Press), Boca Raton, Florida.
4. Stromberg JC and MK Chew. 2002. Flood pulses and restoration of riparian vegetation in the American Southwest. Pages 11-49 in *Flood Pulsing and Wetland Restoration in North America*. B. Middleton, ed. John Wiley & Sons.
3. Stromberg JC and MK Chew. 2002. Foreign visitors in riparian corridors of the American Southwest: is xenophytophobia justified? Pages 195-219 in *Invasive Exotic Species in the Sonoran Region*. B Tellman, ed. University of Arizona Press.
2. Stromberg, J. C., L. M. Gengarely and B. Rogers. 1997. Exotic herbaceous species in Arizona's riparian ecosystems. Pages 45-57 in *Plant Invasions: Studies from North America to Europe*. JH Brock, M Wade, P Pysek and D Green, eds. Backhuys Publishers, Leiden, The Netherlands.
1. Stromberg, J. C. and D. T. Patten. 1995. Vegetation dynamics of the spruce-fir forests of the Pinaleno Mountains. Pages 89-99 in *Storm over a Mountain Island: Conservation Biology and the Mt. Graham Affair*, C. Istock and R. Hoffmann, eds. University of Arizona Press, Tucson.

Agency publications and symposium proceedings

- Yost T, B Scott and J Stromberg. 2013. Abundance, seed production, and seedling establishment of *Amsonia kearneyana*. Final report submitted to Arizona Dept. of Agriculture. Endangered Species Act Section 6 Grant Program, Grant Number: Segment 16 2012-2013-02.
- Stromberg JC, GL Katz, MW Denslow. Ephemeral streams- their day in the sun. Conference Proceedings, Science on the Sonoita Plain.

- Stromberg JC, MS White, JM White, D Shorrock, RA. Fischer. 2009. Influence of Hydrologic Connectivity on Plant Species Diversity Along Southwestern Rivers: Implications for Restoration. ERDC TN-EMRRP-SR-55.
- Levick LR, J Fonseca, DC Goodrich, DP Guertin, M Hernandez, WG Kepner, RA Leidy, M Scianni, DJ Semmens, J Stromberg, M Tluczek. 2008. The ecological and hydrological significance of ephemeral and intermittent streams in the arid and semi-arid American Southwest. U.S. Environmental Protection Agency, Washington DC (EPA/600/R-08/134 and ARS/233046).
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Presentations

Invited presentations

Salywon A, Stromberg JC, Wolkis DM, Blackwell S, McCue K, Crawford J. August 2016. Status of the endangered orchid *Spiranthes delitescens*. Native Orchid Conference, Benson, AZ.

Stromberg JC and MK Chew. October 8, 2014. What makes a plant native or non-native? McDowell Sonoran Field Institute Lecture Series, Scottsdale, AZ.

Stromberg, J.C. May 23, 2014. Just add water: restoration of desert rivers in urbanizing regions. Joint Aquatic Sciences Meeting, Portland, Oregon.

Stromberg, J. C. October 17, 2013. Urban rivers: Can we talk? Rio Salado Audubon Center Speaker Series, Phoenix, AZ.

Stromberg, J, F Coburn, A Eyden, R Madera, E Makings, J Samsky III, and B Scott. October 16, 2013. Urban riparian forests. The Arizona State Forestry Urban & Community Forestry Program 2nd Annual Grantee Showcase. Phoenix, AZ.

Stromberg, JC. July 20, 2013. San Pedro River riparian vegetation: Status and trends. SPRNCA RMP Water and Riparian Education and Scoping Forum. Sierra Vista, AZ.

Stromberg JC. April 5, 2013. Past and present vegetation along the urban Salt River. 26th Meeting of the Arizona Riparian Council. Scottsdale, AZ.

Stromberg JC. May 2, 2012. Riparian vegetation and disappearing groundwater. Biodiversity and Management of the Madrean Archipelago III and 7th Conference on Research and Resource Management in the Southwestern Deserts. Tucson, AZ. (Plenary talk).

Stromberg JC and G Katz. December 9, 2011. Vegetation structure and function along ephemeral streams in the Sonoran Desert. American Geophysical Union Annual Meeting, San Francisco, CA.

Stromberg JC. October 11, 2011. The Hassayampa River- a riparian oasis. North Phoenix Rotary Club monthly meeting, Phoenix, AZ.

Stromberg JC. July 6/7, 2011. Condition class assessment: San Pedro River. Bureau of Land Management SPRNCA Technical Meeting, Tucson, AZ.

Stromberg JC. July 6/7, 2011. Patterns and causes of vegetation change: San Pedro River. Bureau of Land Management SPRNCA Technical Meeting, Tucson, AZ.

Stromberg JC, G Katz, and M Denslow. June 4, 2011. Ephemeral and intermittent streams: their day in the sun. Science on the Sonoita Plain Annual Meeting, Elgin, AZ.

Richter H, JC Stromberg and R. Tiller. April 13, 2011. Semi-arid riparian ecosystems and climatic variability in the Southwestern United States. Workshop: Between a Rock and a Hot Place: Climate Change Adaptation and Resource Management for the Sky Island Region, Tucson, AZ.

Stromberg JC. January 14, 2011. Living in the Anthropocene: riparian research and restoration challenges. University of Arizona School of Natural Resources and the Environment Seminar Series. Tucson, AZ.

Stromberg JC. December 8, 2010. Living in the Anthropocene: riparian restoration research and awareness needs. Restoring Rivers in Southwestern US and Northern Mexico: A bi-National Conference. Tucson, AZ.

Stromberg JC and AF Hazelton. September 16, 2010. Environmental flows for the Verde River. American Society of Civil Engineers-Water Resources Technical Group monthly meeting. Tempe, AZ.

Stromberg JC and DT Patten. October 27, 2009. Ecology and restoration of riparian vegetation in the arid and semi-arid West: Lessons learned. Restoring the West Conference, Logan, Utah.

Stromberg JC. October 7, 2009. Riparian plant ecology, hydrology and restoration in the arid and semiarid west. Northern Arizona University Forestry Seminar Series. Flagstaff, AZ.

Stromberg J, M Tluczek, AF Hazelton. May 20, 2009. Long-term riparian forest change on the Upper San Pedro River. Upper San Pedro Partnership Technical Committee Meeting. Sierra Vista, AZ.

Stromberg J. April 11-13, 2007. Hydrologic variability and riparian vegetation: implications for understanding

climate change. Arizona Riparian Council/CLIMAS joint meeting, Casa Grande, AZ.

Stromberg J. Floods, fire, and riparian vegetation dynamics. Oct 11-14, 2006. SAHRA Annual Meeting, Scottsdale, Arizona.

Stromberg J and M White. October 3, 2006. Riparian vegetation and stream flow regimes. Nature Conservancy's Verde River Ecological Flows Workshop. Prescott, AZ.

Stromberg J. February 11, 2006. Arizona's desert riparian areas: status report. Arizona Botanists 2006 Meeting, Phoenix, AZ.

Dixon M, J Stromberg, SJ Lite, and T Rychener. October 13-15, 2004. Effects of environmental change on riparian vegetation along the Upper San Pedro River. SAHRA Annual Meeting, Albuquerque, NM.

Lite SJ and JC Stromberg. September 15-18, 2004. Surface water and ground-water thresholds for maintaining *Populus - Salix* forests, San Pedro River, Arizona. Arizona Hydrologic Society Annual Meeting. Tucson, Arizona. (First-place winner of CAP Water Award).

Stromberg JC and M Dixon. August 15-21, 2004. Restoring biodiversity to rivers of semi-arid southwestern USA: Importance of low- and high- stream flow regimes. 2nd International Symposium on Riverine Landscapes: The scientific basis of restoring watercourses in landscapes. Bredsel, Älvsbyn, Sweden.

Stromberg JC. July 26, 2004. Riparian ecosystems. Desert Botanical Garden's Summer Speakers Series. Phoenix, Arizona.

Stromberg JC, S Lite, V Beauchamp, J Stutz, and G Katz. Feb 11-13, 2004. Natural recovery of native riparian trees to exotic-dominate sites: importance of physical processes and biotic interactions. Border Regional Environmental Conference: Integrating Policy, Training, Education, and Sustainability Science for the U.S.-Mexican Border Region, Laredo Texas.

Stromberg JC, SJ Lite, and VB Beauchamp. October 22-24, 2003. Managing stream flow regimes for riparian ecosystem restoration. Tamarisk Symposium. Grand Junction, CO.

Stromberg JC, SJ Lite, VB Beauchamp and J Boudell. October 2-4, 2003. Managing stream flow regimes for riparian ecosystem restoration. California Exotic Pest Plant Council Symposium on Planning Weed Management for Ecosystem Recovery. Kings Beach, CA.

Stromberg JC, SJ Lite, and VB Beauchamp. March 3-7, 2003. Managing for cottonwood-willow riparian forests via physical process restoration. Arid Southwest Habitat Restoration Conference, Desert Managers Group. Palm Springs, CA.

Stromberg JC. February 8, 2003. Exotic and invasive plant species: some ecological and evolutionary considerations. "Arizona Botany 2003" Meeting, Phoenix, AZ.

Stromberg JC, S Lite and K Bagstad. August 18-23, 2001. Diversity and productivity of riparian vegetation across moisture gradients, San Pedro River, Arizona. American Fisheries Society Annual Meeting, San Pedro River Symposium, Phoenix, AZ.

Stromberg JC. April 23, 2001. Restoration of riparian ecosystems: Importance of flow regimes and fluvial dynamism. Colorado State University Life Sciences Colloquium, Fort Collins, CO.

Patten DT and JC Stromberg. Nov. 13-16, 2000. Ecological consequences of groundwater withdrawal and aquifer protection in the arid-West. Geological Society of America Annual Meeting, Reno, Nevada.

Patten DT and JC Stromberg. December 15-19, 2000. Riparian tree growth-streamflow models may reflect climate-induced hydrologic changes. American Geophysical Union Fall Meeting, San Francisco, CA.

Stromberg JC. August 5-10, 2000. Ecological approaches to management of exotic species in Sonoran riparian ecosystems. Invasive Species Workshop. Ecological Society of America Annual Meeting. Snowbird, Utah.

Stromberg JC. August 6-12, 2000. Flood pulsing and restoration of Sonoran riparian ecosystems. Symposium on flood pulsing and wetland restoration. Society of Wetland Scientists Annual Meeting. Quebec City, Canada.

- Stromberg JC. January 31, 2000. Riparian restoration in the US Southwest: opportunities and constraints. National Research Council Committee on Riparian Zone Functioning and Strategies for Management. Sevilleta Research Station, New Mexico.
- Stromberg JC. May 10, 1999. Ecology of Arizona sycamore. Arizona Native Plant Society, Phoenix Chapter. Phoenix, AZ.
- Stromberg JC. April 8-9, 1999. Southwestern riparian ecosystems: what are the symptoms of degradation and what do we want to restore? Gila Basin Riparian Restoration Forum. U. S. Bureau of Reclamation and US Geological Survey, Midcontinent Ecological Science Center. Tucson, AZ.
- Stromberg JC. November 14, 1998. Restoration: the ultimate test of ecological understanding. The Santa Cruz River Restoration Conference. Tucson, AZ.
- Stromberg JC. October 8-9, 1998. Criteria for assessing ecosystem health. Society of Wetland Scientists Regional Meeting. Reno, NV.
- Stromberg JC. July 8-9, 1998. Restoring and maintaining riparian vegetation in the US Southwest. US Fish and Wildlife Service/Bureau of Reclamation workshop: Restoring Natural Function to the Lower Colorado River. Las Vegas, NV.
- Stromberg JC. June 15, 1998. Riparian restoration and ground water recharge: strange bed-fellows? USDA Agricultural Research Service, Water Conservation Lab Seminar Series. Tempe, Arizona.
- Stromberg JC. May 2-3, 1998. Tucson AZ. Invasive plants in Sonoran riparian ecosystems. Arizona-Sonora Desert Museum Annual Symposium, Invasive Species in Sonoran Desert Ecosystems. Tucson, AZ.
- Stromberg JC. April 10-11, 1998. Exotic plant species in Sonoran Riparian Ecosystems. Southwestern Association of Naturalists Annual Meeting. Albuquerque, NM.
- Stromberg JC. February 23, 1998. Restoring integrity to aridland riparian ecosystems: the importance of natural flow regimes. University of Arizona Soil, Water and Environmental Science Department Seminar. Tucson, AZ.
- Stromberg JC. December. 4, 1997. Conservation of arid land riparian ecosystems: the importance of natural flow regimes. University of Nevada-Reno, Ecology, Evolution and Conservation Biology Colloquium. Reno, NV.
- Stromberg JC. April 25, 1997. Eco-hydrology: basic research and application to management of Arizona's rivers. Northern Arizona University, Forestry and Geology Department Seminar Series. Flagstaff, AZ.
- Stromberg JC. February 24, 1997. Ecology and management of Arizona's rivers. San Diego State University, Biology Department Seminar. San Diego, CA.
- Stromberg JC. 1996. Monitoring riparian vegetation: case study of the Hassayampa River. Arizona Riparian Council Technical Workshop, Sedona, AZ.
- Stromberg JC. 1995. Riparian ecology. Tonto National Forest Aquatic and Riparian Workshop. Mesa, AZ.
- Stromberg JC. 1994. Ecology of mesquite bosques. Redington NRCDC Mesquite Workshop. Casabel, AZ.
- Stromberg JC. 1994. Biodiversity of desert riparian ecosystems. Native Plant Society Regional Meeting. Phoenix, AZ.
- Stromberg JC. 1994. Vegetation dynamics of southwest riparian ecosystems: research and application. Arizona State University Botany Department Seminar. Tempe, AZ.
- Stromberg JC. 1994. Riparian ecology along the Upper Santa Cruz River. Friends of the Santa Cruz River Speaker Series. Tubac, AZ.
- Stromberg JC. 1993. Riparian biohydrology: research and application. Arizona State University Zoology Department Seminar. Tempe, AZ.

Other presentations

- Suchy AK, MM Palta, DL Childers, JC Stromberg. Aug. 2016. Small- and large-scale drivers of

denitrification patterns in “accidental” urban wetlands in Phoenix, Arizona. Ecological Society of America Annual Meeting, St. Lauderdale, Florida.

Handler AM, AK Suchy, NB Grimm, M Palta, DL Childers, JC Stromberg. Dec. 2016. Nitrate attenuation pathways and capacity in urban wetlands of Phoenix, Arizona. AGU Meeting, San Francisco, California.

Stromberg JC, Wolkis DM, Salywon A, Crawford J, McCue K, Blackwell S. November 2015. Population trends of the endangered orchid *Spiranthes delitescens*. Society of Ecological Restoration, Southwest Chapter Meeting. Tucson, Arizona.

Suchy AK, DL Childers, JC Stromberg. August 2015. Exploring the role of soil characteristics and plant traits as drivers of denitrification in “accidental” urban wetlands in Phoenix, Arizona. Ecological Society of America Annual Meeting, Baltimore, Maryland.

McCluney K, J Sabo, J Stromberg. May 23, 2014. Shifts in riparian arthropod assemblages and declines in diversity through short-term direct and long-term indirect effects of decreasing flows along a semi-arid river. Joint Aquatic Sciences Meeting, Portland, Oregon.

Stromberg J and K Wyant. March 2014. Ecosystem services of mesquite bosques, a regionally important groundwater-dependent ecosystem. Arizona Native Plant Society, Phoenix Chapter.

Wolkis D, E. Makings, J. Stromberg. February 2014. Freshwater wetland restoration in a changing climate: Preliminary findings. Arizona Native Plant Society Annual Meeting, Tucson, AZ. (poster)

Hamdan A and J Stromberg. November 2013. Changes in abundance of riparian vegetation due to a canal barrier traversing ephemeral stream channels. AAAS Water Forum. Tempe, AZ. Poster.

Stromberg, J. and M. White. October 2013. Can municipal effluent and storm runoff restore dewatered urban rivers? 5th World Conference of the Society for Ecological Restoration. Madison, WI.

Yost, T., B. Scott, and J. Stromberg. October 2013. *Amsonia kearneyana* (Apocynaceae), Kearney’s Blue Star: Good news regarding reintroduction potential. Meeting of the Phoenix Chapter of the Arizona Native Plant Society. Phoenix, AZ.

Allan E, JC Stromberg. August 2013. Riparian ecosystem services: Akimel O’otham ethnomedicinal use of plants in the Salt River. Ecological Society of America Conference, Minneapolis, MN. (poster)

Allan E, JC Stromberg. May 2013. Riparian ecosystem services: Akimel O’otham ethnomedicinal use of plants in the Salt River. Society of Ethnobiology Conference, Denton, Texas (poster)

Allan E, JC Stromberg. April 2013. Riparian ecosystem services: Akimel O’otham ethnomedicinal use of plants in the Salt River. 5th Annual Santa Cruz River Research Days. Tucson, AZ. (poster)

Stromberg, JC and M White. April 2013. Nitrogen and nitrophiles: Riparian vegetation response to effluent discharge. 5th Annual Santa Cruz River Research Days. Tucson, AZ.

Allan E, JC Stromberg. April 2013. Riparian ecosystem services: Akimel O’otham ethnomedicinal use of plants in the Salt River. 26th Annual Meeting of the Arizona Riparian Council. Scottsdale, AZ. (poster)

Madera R and JC Stromberg. April 2013. Stormwater tributaries, an overlooked environmental flow. 26th Annual Meeting of the Arizona Riparian Council. Scottsdale, AZ. (poster)

Makings E, JC Stromberg. April 2013. The Phoenix Salt River flora: then and now. 26th Annual Meeting of the Arizona Riparian Council. Scottsdale, AZ. (poster)

Stromberg JC, D Wolkis, B Scott, E Makings. April 2013. Beyond cottonwoods: floristic restoration in an urban floodplain. 26th Annual Meeting of the Arizona Riparian Council. Scottsdale, AZ. (poster)

Stromberg JC, KA Wyant. April 2013. Mesquite bosques: A regionally important groundwater-dependent ecosystem. 26th Annual Meeting of the Arizona Riparian Council. Scottsdale, AZ. (poster)

Stromberg J, H Bateman, J Foutz-Sweat, D Wolkis, B Scott, A Suchy, E Makings, N Wilson. January 11, 2013. Just add water: Benefits of passive restoration in an urban floodplain. 14th Annual All Scientists Meeting of the Central Arizona–Phoenix Long-Term Ecological Research Project (CAP

- LTER). Scottsdale, AZ. (poster)
- Katz GL, D Turner, JC Stromberg. November 2012. Effects of fire on the riparian forest of a desert preserve, San Pedro River, Arizona. Annual meeting of the Southeastern Division of the Association of American Geographers. Asheville, NC. (poster)
- Stromberg J, H Bateman, A Bridges, J Foltz-Sweat, E Makings, B Scott, A Suchy, D Wolkis. September 2012. Species diversity in restored and unrestored reaches of the urbanized Salt River. Arizona Hydrological Society Annual Water Symposium. Phoenix, AZ.
- Bateman H, A Bridges, E Makings, B Scott, J Stromberg, A Suchy, D Wolkis. September 10-13, 2012. Plant and animal diversity in accidentally and intentionally restored reaches along the urbanized Salt River in central Arizona. Long Term Ecological Research Network, All Scientist's Meeting. Estes Park, Colorado. (poster)
- White MS and JC Stromberg. August 2012. Nutrients and nitrophiles: effects of treated wastewater on dryland riparian plant communities. Ecological Society 97th Annual Meeting, Portland, OR.
- Boudell JA and JC Stromberg. August 2012. Impact of varying nitrate concentrations on germination of a suite of semi-arid region riparian plants. Ecological Society Annual Meeting, Portland, OR.
- Stromberg JC, JM Betsch, AF Hazelton, D M Merritt. August, 2012. How tightly coupled are seed dispersal and flood timing? Case study from the semi-arid Verde River, Arizona, USA. Ecological Society Annual Meeting, Portland, OR.
- Stromberg, JC, D Setaro, J Sabo, et al. May 2012. Linkages between stream hydrology, vegetation, and soil arthropods in the semi-arid highlands ecoregion of Arizona. Biodiversity and Management of the Madrean Archipelago III and 7th Conference on Research and Resource Management in the Southwestern Deserts. Tucson, AZ. (poster)
- White MS, N Case, M Tluczek, and JC Stromberg. May 2012 Municipal effluent: a viable source for environmental flows? Biodiversity and Management of the Madrean Archipelago III and 7th Conference on Research and Resource Management in the Southwestern Deserts. Tucson, AZ. (poster)
- Stromberg JC, H Bateman, E Makings et al. January 13, 2012. Inventory and monitoring of the Salt River in Phoenix. CAP-LTER 14th Annual Poster Symposium and All Scientists Meeting. Scottsdale, AZ. (poster)
- Stromberg JC, D Setaro, J Sabo, E Moody, T Meixner, H Nicholas, K Lohse. November 2011. Linkages between stream hydrology, vegetation, and soil arthropods in the Huachuca Mountains of Arizona. Partners in Environmental Technology Technical Symposium & Workshop, Washington DC. (poster)
- Goodrich D et al. December, 2011. Coupled hydrological, ecological, decision and economic models for monetary valuation of riparian ecosystem services. American Geophysical Union Annual Meeting. San Francisco, CA.
- Denslow MW, GL Katz, JC Stromberg. November, 2011. Vegetation patterns of urban and non-urban dry washes of the Sonoran Desert. Southeastern Division of the Association of American Geographers Annual Meeting. Savannah, GA.
- Makings E and J Stromberg. July 9-13, 2011. Found then drowned: Noteworthy collections from Tempe Town Lake. Botanical Society of America Annual Meeting, St. Louis, MO (poster).
- Case N and JC Stromberg. March 29, 2011. Causes and consequences of clogging in the Santa Cruz River. 3rd Annual Santa Cruz Researchers' Day. Tubac, AZ
- Stromberg JC, J Betsch, A Hazelton, D Merritt. March 18, 2011. Hydrochory along a free-flowing desert river. Arizona Riparian Council Annual Meeting, Yuma, AZ.
- Makings E, L Butler, M Chew, J Stromberg. February 12, 2011. Found then drowned: Three noteworthy collections from Tempe Towne Lake. Arizona Botanists Meeting, Tempe, AZ.

- Stromberg J, N Case, G Solis-Garza. January 24, 2011. Environmental controls on biofilm development in effluent-dominated waterways. Presentation at Southwester Consortium for Environmental Research and Policy Annual Technical Conference. Tempe, AZ.
- Betsch JM, A Hazelton, JC Stromberg. December 8, 2010. Can the interface of agriculture and riparian systems create a dually beneficial agroecosystem? Restoring Rivers in Southwestern US and Northern Mexico: A Binational Conference. Tucson, AZ. (poster)
- Betsch JM, JC Stromberg, D Setaro. December 8, 2010. Stream flow, seed suspension, and seasonality: hydrochory in a semi-arid stream, Verde River, Arizona, USA. Restoring Rivers in Southwestern US and Northern Mexico: A Binational Conference.
- Brookshire DS, D Goodrich, CD Broadbent, MD Dixon, LA Brand, J Thacher, K Benedict, K Lansey, JC Stromberg, S Stewart, M McIntosh, D Kang, JW Hwang. December, 2010. Integrated modeling and ecological valuation: A framework for the semi-arid Southwest. A Community on Ecosystem Services Conference (ACES), Chandler, AZ.
- Dixon MD, JC Stromberg, T Meixner, JF Hogan, DC Goodrich. September 12-16, 2010. Sensitivity of a semi-arid riparian ecosystem to climatic variability in the Southwestern United States (with proceedings). 8th International Symposium on Ecohydraulics 2010, Seoul, Korea.
- Betsch JM, A Hazelton, JC Stromberg. August 1-6, 2010. Can the interface of agriculture and riparian systems create a dually beneficial agroecosystem? A case study of the Verde River, Arizona, USA. Ecological Society of America, Pittsburgh, PA (poster)
- Boudell JA, JC Stromberg. August 1-6, 2010. Impacts of disturbance intensity on *Prosopis* understory competition and diversity. Ecological Society of America, Pittsburgh, PA.
- Hazelton, AF, JC Stromberg, JM Betsch. August 5, 2010. What type of plant is this? Testing two methods of functional group classification on Southwestern riparian flora. Ecological Society of America, Pittsburgh, PA.
- Betsch JM, JC Stromberg, D Setaro. June 20-24, 2010. Stream flow, seed suspension, and seasonality: hydrochory in a semi-arid stream, Verde River, Arizona, USA. Seed Ecology III: International Society for Seed Science Conference, Salt Lake City, UT (Best student poster award).
- Stromberg JC, AF Hazelton, J Boudell. June 20-24, 2010. Seed bank dynamics of arid region streams and implications for restoration. Seed Ecology III: International Society for Seed Science Conference, Salt Lake City, UT.
- Hazelton AF and JC Stromberg. February 26, 2010. What type of plant is this? Testing two methods of functional group classification on Southwestern riparian flora. The 11th Annual Graduates in Earth, Life, and Social Sciences Symposium, Tempe, AZ. (poster)
- Stromberg JC, MGF Tluczek, AF Hazelton. Sept. 24, 2009. Extreme floods and riparian forest response. Ninth Annual SAHRA meeting. Tucson, AZ.
- Stromberg JC, MGF Tluczek, AF Hazelton. Sept. 1, 2009. Extreme floods and riparian forest response. 2009 Annual Water Symposium. Arizona Hydrological Society. Scottsdale, AZ.
- White MS, JC Stromberg. August 23-28, 2009. Spatial patterns of effluent discharge and riparian vegetation response in the desert Southwest. Society for Ecological Restoration International's World Conference on Ecological Restoration. Perth, Australia.
- Stromberg JC, MGF Tluczek, AF Hazelton. August 2009. Riparian forest change following extreme disturbance: Case study of San Pedro River, Arizona. Ecological Society Annual Meeting, Albuquerque, NM.
- Brand LA, MD Dixon, JC Stromberg, et al. August 2009. From flows to feathers to funds: Scenario modeling of vegetation and avian changes on the San Pedro and Rio Grande Rivers for ecological valuation. Ecological Society Annual Meeting, Albuquerque, NM.

Chew MK, JC Stromberg, PL Nagler, EP Glenn. August 2009. *Tamarix* and ecosystem change: Perpetuation of a mythology. Ecological Society Annual Meeting, Albuquerque, NM (poster).

White MS and JC Stromberg. August 2009. Spatial patterns of wastewater discharge and riparian vegetation response in Arizona. Ecological Society Annual Meeting, Albuquerque, NM (poster).

Stromberg JC, MGF Tluczek, AF Hazelton. April 2009. Riparian forest change following extreme disturbance: Case study of San Pedro River, Arizona. Arizona Riparian Council Annual Mtg. Camp Verde, AZ (poster).

Stromberg, JC, MK Chew, PL Nagler, EP Glenn. April 2009. *Tamarix* and ecosystem change: Perpetuation of a mythology. Arizona Riparian Council Annual Mtg. Camp Verde, AZ (poster).

Katz G, J Stromberg. March 22-27, 2009. Constraints on riparian response to hydrologic restoration, San Pedro River, Arizona. American Association of Geographers Annual Meeting, Las Vegas, Nevada.

Stromberg JC, MGF Tluczek, AF Hazelton. February 2009. Riparian forest change following extreme disturbance: Case study of San Pedro River, Arizona. Dynamic Desert Conference, Tempe, AZ (poster).

White M, J Stromberg, K Uhlman, E Westfall, C Rock. February 2009. Spatial patterns of treated wastewater discharge into surface water courses in Arizona. Dynamic Desert Conference, Arizona State University, Tempe AZ (poster).

Hazelton AF and JC Stromberg. February 2009. Resolving human and ecological water needs in a changing region: Environmental flows in the Verde watershed, central Arizona. Dynamic Desert Conference, Arizona State University, Tempe, AZ (poster).

Stromberg JC, PL Nagler, MK Chew, EP Glenn. Feb. 18-19, 2009. The role of scientists in tamarisk and river management: Perpetuation of a mythology. The 2009 Tamarisk and Russian Olive Research Conference, Reno, NV (poster).

Stromberg JC, AF Hazelton and M Tluczek. August 16-17, 2008. Changes in riparian forest cover along the Upper San Pedro River. SAHRA Annual Conference, Tucson, AZ (poster).

Stromberg JC, AF Hazelton, MS White and JM White. May 29, 2008. Ephemeral wetlands on ephemeral river reaches: role of seed banks and flood pulses. North American Benthological Society Annual Meeting, Salt Lake City, UT.

Stromberg, JC. Aug 29-Sep 1, 2007. Restoring de-watered riparian ecosystems: role of soil seed banks. Arizona Hydrological Society/Southwest Hydrology Regional Water Symposium, Tucson, AZ.

White MA and JC Stromberg. Aug 29-Sep 1, 2007. Spatial & temporal changes of effluent-dependent waterways in Arizona. Arizona Hydrological Society/Southwest Hydrology Regional Water Symposium, Tucson, AZ.

Katz G, JC Stromberg, and J Haney. Aug 5-10, 2007. Riparian ecosystem restoration during drought in the US Southwest. Ecological Society of America/Society for Restoration Ecology meeting, San Jose, CA (poster).

White JM and JC Stromberg. Aug 5-10, 2007. Persistence of riparian plant communities despite human-mediated change on the Salt River, Arizona. Ecological Society of America/Society for Restoration Ecology meeting, San Jose, CA.

White MA and JC Stromberg. Aug 5-10, 2007. Understanding spatial and temporal patterns of effluent discharge for dryland riparian ecosystems. Ecological Society of America/Society for Restoration Ecology meeting, San Jose, CA (poster).

Stromberg JC, JA Boudell, AF Hazelton, DE Shorrock, JM White, and MS White. Aug 5-10, 2007. Restoration potential of de-watered riparian Areas: role of soil seed banks. Ecological Society of America/Society for Restoration Ecology meeting, San Jose, CA.

Boudell JA, AF Hazelton and JC Stromberg. Aug 5-10, 2007. Soil manipulation as a tool to understand

- propagule bank dynamics in dryland riparian ecosystems. Ecological Society of America/Society for Restoration Ecology meeting, San Jose, CA (poster).
- Rychener TJ, JC Stromberg, and MD Dixon. Aug 5-10, 2007. Return of fire to a free-flowing desert river: effects on vegetation. Ecological Society of America/Society for Restoration Ecology meeting, San Jose, CA (poster).
- Stromberg, JC, AF Hazelton, MS White, JM White, DE Shorrock and RA Fischer. June 10-15, 2007. Seed bank diversity patterns in wet and dry Reaches of dryland rivers: implications for restoration. Society of Wetland Scientists Annual Meeting, Sacramento, CA.
- Hazelton AF, JA Boudell, and JC Stromberg. June 10-15, 2007. Seed traits of seed-banking species in a dryland riparian ecosystem. Society of Wetland Scientists Annual Meeting, Sacramento, CA (poster).
- Stromberg JC, MS White, AF Hazelton, and RA Fischer. April 9-14, 2007. Longitudinal connectivity of stream reaches and riparian plant species diversity. United States Regional Association of the International Association for Landscape Ecologists Annual Conference. Tucson, AZ.
- Hazelton A and J Stromberg. April 11-13, 2007. Changes in floodplain vegetation in response to a late summer flood on the Hassayampa River. Arizona Riparian Council/CLIMAS joint meeting, Casa Grande, AZ (poster).
- Dixon M and J Stromberg. April 11-13, 2007. Projecting the effects of climate change on a Southwestern riparian ecosystem: the Upper San Pedro as a case study. Arizona Riparian Council/CLIMAS joint meeting, Casa Grande, Arizona.
- Boudell JA and JC Stromberg. September 19-22, 2006. Spatiotemporal metacommunity dynamics support biodiversity in a highly dynamic floodplain. Italian Ecological Society Annual Meeting. Tuscia, Italy.
- Paradzick C and J Stromberg. October 3-4, 2006. Basin-scale hydrology, vegetation, and patch selection by the southwestern willow flycatcher along the Lower San Pedro and Gila Rivers, Arizona. The 2006 Tamarisk Research Conference. Fort Collins, CO.
- Beauchamp VB, JC Stromberg, JC Stutz. August 6-11, 2006. Patterns in activity, richness, and community composition of arbuscular mycorrhizal fungi in a Sonoran Desert riparian area, Verde River, Arizona. Ecological Society of America Annual Meeting, Memphis, Tennessee (poster).
- Boudell JA, JC Stromberg. August 6-11, 2006. Insurance in the face of rapid spatiotemporal dynamics in a southwestern riparian metacommunity. Ecological Society of America Annual Meeting, Memphis, Tennessee.
- Stromberg J. August 6-11, 2006. Abundance of introduced *Tamarix* in an arid river basin (Arizona, USA) reflects prevailing hydrology. Ecological Society of America Annual Meeting, Memphis, Tennessee.
- Stromberg J, S Lite, R Marler, C Paradzick, P Shafroth, D Shorrock, J White, M White. April 27-29, 2006. Abundance of introduced *Tamarix* in arid basins of Arizona reflects prevailing hydrology. Arizona Riparian Council Annual Meeting. Flagstaff, AZ (poster).
- Stromberg J. Dec. 5-9, 2005. *Tamarix* abundance in an arid river basin (Gila River, Arizona, USA) reflects prevailing hydrology. American Geophysical Union Fall Meeting. San Francisco, CA (poster).
- Shorrock D, JC Stutz, JC Stromberg. Nov. 7-10, 2005. Mycorrhizal fungi abundance along flood inundation gradients, Virgin River, Utah. 8th Biennial Conference of Research on the Colorado Plateau: Integrating Science and Management. Flagstaff, AZ (poster).
- Shorrock D, J Stromberg. Nov 7-10, 2005. Vegetation and seed banks of the Zion River riparian corridor (Utah): implications for restoration. 8th Biennial Conference of Research on the Colorado Plateau: Integrating Science and Management. Flagstaff, Arizona.

- Patten DR, R Marler, J Stromberg. October 24-26, 2005. Effluent, a "new" water source: Asset or problem. Western Wetlands Conference: Collaboration across Boundaries. Golden, Colorado.
- Boudell JA, JC Stromberg. August 7-12, 2005. Riparian metacommunities: propagule banks and species diversity in an arid-region riparian ecosystem. Ecological Society of America- Intecol Joint Meeting. Montreal, Canada.
- White J, JC Stromberg. August 7-12, 2005. Effects of urbanization and river modification on the soil seed bank of an arid region river: a case study of the Salt River, AZ. Ecological Society of America-Intecol Joint Meeting. Montreal, Canada (poster).
- Dixon, MD, JC Stromberg, AK Fremier, EW Larsen. August 7-12, 2005. Projecting the impacts of global climate change on a dryland river: the importance of disturbance regimes and geomorphic legacies. Ecological Society of America- Intecol Joint Meeting. Montreal, Canada
- Beauchamp VB, JC Stromberg, and C Sommers. August 7-12, 2005. Scale-dependent response of riparian vegetation to flow regulation on the Verde River, Arizona. Ecological Society of America- Intecol Joint Meeting. Montreal, Canada.
- Shorrock D, J Stromberg. June 5-10, 2005. Soil seed banks of the Virgin River, Utah: implications for restoration. 26th Annual International Wetlands Meeting. Charleston, South Carolina (poster).
- White J and J Stromberg. June 5-10, 2005. Effect of river modification on the soil seed bank of the Salt River, Arizona: case study of an urban, arid region river. 26th Annual International Wetlands Meeting. Charleston, SC.
- Holt J and J Stromberg. March 31-April 2 2005. Evaluation of restoration success in an arid riparian system using multiple metrics. Arizona Riparian Council Annual Meeting, Parker, AZ (poster).
- Lite SJ, KJ Bagstad, and JC Stromberg. April 5-9, 2005. Riparian plant richness along lateral and longitudinal gradients of water stress and flood disturbance, San Pedro River, Arizona, USA. Association of American Geographers Annual Meeting. Denver, CO (poster).
- Shorrock D, JC Stutz and JC Stromberg. Feb 11, 2005. Mycorrhizal fungi abundance across flood inundation gradients, Virgin River, Utah Graduates in Earth, Life, and Social Sciences (GELSS) Symposium, Arizona State University, Tempe, Arizona (best poster award).
- White J and J Stromberg. Jan 19, 2005. Effects of river modification on the riparian soil seed bank of the Salt River, Arizona: a case study of an arid region river. CAP LTER Poster Symposium, Arizona State University, Tempe, AZ.
- Lite SJ and JC Stromberg. October 13-15, 2004. Surface water and ground-water thresholds for maintaining *Populus - Salix* forests, San Pedro River, Arizona. SAHRA 4th Annual Meeting, Albuquerque, NM (poster).
- Rychener T, J Stromberg, M Dixon. October 13-15, 2004. Interaction between landscape pattern and fire disturbance in a southwest riparian forest, San Pedro River Arizona. SAHRA 4th Annual Meeting, Albuquerque, NM (poster).
- Bark-Hodgins, RH, DE Osgood, BG Colby, G Katz, and J Stromberg. October 13-15, 2004. Private property values and riparian corridors in Tucson, Arizona. SAHRA (Sustainability of Semi-Arid Hydrology and Riparian Areas, an NSF, Science and Technology Center) Fourth Annual Meeting. Albuquerque, NM (poster).
- Beauchamp VB, JC Stromberg, and JC Stutz. July 30-Aug 7 2004. Interactions between *Tamarix ramosissima* (saltcedar), *Populus fremontii* (cottonwood), and arbuscular mycorrhizal fungi: effects on seedling growth and plant species coexistence. Ecological Society of America annual meeting, Portland, Oregon (poster).
- Rychener T, J Stromberg, M Dixon. July 30-Aug. 7 2004. The response of a southwest riparian forest to fire: Interaction between landscape pattern and fire intensity. Ecological Society of America annual

- meeting, Portland, Oregon.
- Stromberg JC, S Lite and M Dixon. May 11-15, 2004. Tamarisk on the San Pedro River: population trends and environmental influences. Conference on Biodiversity and Management of the Madrean Archipelago II. Tucson, AZ.
- Rychener T, M Dixon and J Stromberg. March 30-April 4 2004. Interaction between landscape pattern and disturbance: the response of a Southwest riparian forest to fire. 19th Annual Symposium of the United States Regional Association of the International Association for Landscape Ecology, Las Vegas, NV.
- Katz GL, JC Stromberg, SJ Lite, MW Denslow and KJ Bagstad. March 14-19, 2004. Riparian ecosystem restoration, lower San Pedro River, Arizona, USA. Association of American Geographers Meeting, Philadelphia, PA (poster).
- Beauchamp V and J Stromberg. March 12-13 2004. Cottonwood-willow stand structure on regulated and unregulated reaches of the Verde River. Arizona Riparian Council 18th Annual Meeting, Avondale, Arizona.
- Marler R, D Patten and J Stromberg. March 12-13 2004. Riparian community development along the effluent-receiving reach of the Salt River. Arizona Riparian Council 18th Annual Meeting, Avondale, AZ.
- Lite S and J Stromberg. Riparian vegetation water needs: Stressor-response model for assessing riparian ecosystem condition. March 12-13 2004. Arizona Riparian Council 18th Annual Meeting, Avondale, AZ.
- Bark RH, G Katz, J Stromberg, DE Osgood and BG Colby. November 2003. New approaches to assessing and valuing riparian resources in arid regions. Institute for the Study of Planet Earth (ISPE) Fest, Tucson, AZ (poster).
- Bark RH, G Katz, JC Stromberg DE Osgood and BG Colby. October 2003. New approaches to assessing and valuing riparian resources in arid regions. Sustainability of Semi-Arid Hydrology and Riparian Areas (SAHRA) conference, Tucson, AZ.
- Ortiz-Barney E and JC Stromberg. August 3-8 2003. Heat tolerance of grass seeds in desert grasslands and their vulnerability to prescribed burning. Ecological Society of America Annual Meeting, Savannah, GA.
- Beauchamp VB and JC Stromberg. August 3-8 2003. Cottonwood-willow stand structure on regulated and unregulated reaches of the Verde River. Ecological Society of America Annual Meeting, Savannah, GA.
- Boudell J and JC Stromberg. August 3-8 2003. Potential for herbaceous community restoration of an impounded southwestern riparian ecosystem of North America via seed bank manipulation. Ecological Society of America Annual Meeting, Savannah, GA.
- Lite SJ, and JC Stromberg. July 16-17, 2003. Groundwater and surface water thresholds for maintaining cottonwood-willow stands along the San Pedro River, Arizona. Symposium on "Saltcedar and Water Resources in the West", San Angelo, TX.
- Ajmera B, E Ortiz-Barney, JC Stromberg, and S Pandya. June 23-28, 2003. The Floristic Relay: A computer game to learn about concepts in Ecology and Environmental Sciences. World Conference on Educational Multimedia, Hypermedia and Telecommunications, Association for the Advancement of Computers in Education, Honolulu, Hawaii.
- Boudell J and J Stromberg. June 8-13, 2003. Role of the seed bank in restoring biodiversity to southwestern riparian ecosystems. Wetland Scientists Annual Meeting, New Orleans, LA.
- Galbraith H, J Price, M Dixon, and J Stromberg, April 7-9, 2003. Using HSI models to evaluate risks to riparian wildlife habitat from climate change and urban sprawl. Symposium on Landscape Ecology and Wildlife Habitat Evaluation: ASTM International Committee on Biological Effects and Environmental Fate. Kansas City, MO.
- Lite S, JC Stromberg, and KJ Bagstad. April 4-5, 2003. Plant species richness patterns across water availability and flood intensity gradients along the San Pedro River, Arizona. Arizona Riparian Council 17th Annual Meeting, Pinetop, AZ.

- Rychener T and JC Stromberg. April 4-5, 2003. Change in riparian vegetation structure following fire along the Upper San Pedro River, AZ. Arizona Riparian Council 17th Annual Meeting, Pinetop, AZ.
- Smeltzer J, M Livingston, M Kim, and J Stromberg. April 2-6, 2003. Prioritizing fragmented patches of cottonwood-willow forests for preservation efforts within watercourses in urban and exurban areas of Tucson, Arizona, USA. International Association for Landscape Ecology 18th Annual Symposium, Alberta, Canada (poster)
- Katz GL, SJ Lite, and JC. Stromberg. March 5-8 2003. Riparian vegetation response to hydrologic amelioration, San Pedro River, Arizona. Association of American Geographers 99th Annual Meeting, New Orleans, Louisiana (poster)
- Beauchamp VB and JC Stromberg. February 21, 2003. Cottonwood-willow stand structure on regulated and unregulated reaches of the Verde River, Arizona. Graduates in the Earth, Life and Social Sciences Research Symposium, Arizona State University, Tempe, AZ.
- Rychener T and JC. Stromberg. February 21, 2003. Change in riparian vegetation structure following fire along the Upper San Pedro River. Graduates in the Earth, Life and Social Sciences Research Symposium, Arizona State University, Tempe, AZ.
- Beauchamp VB and JC. Stromberg. February 15, 2003. Cottonwood-willow stand structure on regulated and unregulated reaches of the Verde River, Arizona. California Botanical Society's Graduate Student Meeting, San Diego, CA.
- Rychener TJ and JC Stromberg. February 15, 2003. Structural response of riparian vegetation to fire along the Upper San Pedro River, AZ. California Botanical Society's Graduate Student Meeting, San Diego, CA.
- Bagstad KJ and JC Stromberg. August 4-9, 2002. Herbaceous plants as bioindicators of groundwater decline for the San Pedro River. Arizona. Ecological Society of America Annual Meeting, Tucson, AZ.
- Dixon MD, JC Stromberg, and JL David. August 4-9, 2002. Modeling the influence of climatic change on riparian vegetation along the San Pedro River, Arizona. Ecological Society of America Annual Meeting, Tucson, AZ.
- Lite SJ and JC Stromberg. August 4-9, 2002. Pioneer tree stand composition and structure across hydrologic gradients along the San Pedro River. Ecological Society of America Annual Meeting, Tucson, AZ.
- Makings E, JC Stromberg, and L Landrum. August 4-9, 2002. Flora of the San Pedro River. Ecological Society of America Annual Meeting, Tucson, AZ.
- Ortiz-Barney E and JC Stromberg. August 4-9, 2002. The Floristic Relay: A game to teach plant community succession and disturbance dynamics. Ecological Society of America Annual Meeting, Tucson, AZ.
- Rychener T, JC Stromberg and MD Dixon. August 4-9, 2002. Effects of fire on riparian vegetation along the San Pedro River. Ecological Society of America Annual Meeting, Tucson, Arizona.
- Dixon MD, JC Stromberg, K Bagstad, and SL Lite. May 15-17, 2002. Projecting the influence of climatic change on riparian vegetation along the Upper San Pedro River. Fourth Conference on Research and Resource Management in the Southwestern Deserts, Tucson, Arizona.
- Lite SJ and JC Stromberg. April 26-27, 2002. Hydrologic thresholds for maintaining cottonwood-willow stands along the San Pedro River. Arizona. Arizona Riparian Council Meeting, Wickenburg, Arizona.
- Dixon MD and JC Stromberg. April 23-27, 2002. Modeling the influence of climatic change on riparian vegetation along the San Pedro River. International Association for Landscape Ecology- United States Regional Association, Lincoln, Nebraska (poster).
- Fuentes T and JC. Stromberg. March 27-30, 2002. Habitat characteristics of sites occupied by *Iliamna longisepala* (Malvaceae), a rare plant endemic to Washington State. Northwest Scientific Association, Boise, ID.
- Lite SJ and JC. Stromberg. Sept. 12-15, 2001. Longitudinal and lateral distributions of vegetation biomass along the San Pedro River, Arizona. Arizona Hydrological Society Annual Meeting, Tucson Arizona. (Best

- student poster award).
- Bagstad KJ and JC Stromberg. August 5-10, 2001. Controls of plant species diversity in a desert riparian zone. Ecological Society of America Annual Meeting. Madison, Wisconsin (poster).
- Richter RE and JC Stromberg. August 5-10, 2001. Degradation assessment of the riparian plant community of Ramsey Canyon, Huachuca Mountains, southeastern Arizona. Ecological Society of America Annual Meeting. Madison, WI (poster).
- Ortiz-Barney E and J Stromberg. August 5-10, 2001. Spatial distribution of seeds in desert grasslands and their potential vulnerability to prescribed burning, Ecological Society of America, 86th Annual Meeting, Madison, WI.
- Beauchamp V and JC Stromberg. May 17-19, 2001. Assessment of hydrologic alteration of the Lower Verde River and possible ecological consequences. Verde Watershed Symposium, Camp Verde, Arizona, (poster).
- Bagstad KJ and JC Stromberg. May 11-12, 2001. Controls of plant species diversity in a desert riparian ecosystem. Arizona Riparian Council Annual Meeting, Tucson, Arizona (poster).
- Beauchamp V and JC. Stromberg. May 11-12, 2001. Assessment of hydrologic alteration of the Lower Verde River and possible ecological consequences. Arizona Riparian Council Annual Meeting, Tucson, Arizona (poster).
- Bagstad KJ and JC Stromberg. Feb 2001. Controls of plant species diversity in a desert riparian ecosystem. Arizona State University Life and Earth Science Graduate Research Symposium. Tempe, Arizona (poster).
- Beauchamp V and JC Stromberg. Feb 2001. Assessment of hydrologic alteration of the Lower Verde River and possible ecological consequences. Arizona State University Life and Earth Science Graduate Research Symposium. Tempe, Arizona (poster).
- Stromberg JS, S Lite, and K Bagstad. October 21, 2000. Vegetation communities of the San Pedro: relationships with stream flows and ground water. Arizona Native Plant Society Annual Meeting, Sierra Vista, Arizona.
- Stromberg J, H Johnson, S Doan and R Tiller. October, 2000. Productivity and structure of *Populus-Salix* forests and *Sporobolus wrightii* grasslands across riparian moisture gradients in Southeastern Arizona. Southwest Center for Environmental Research and Policy Conference, Ciudad Juarez, Mexico (poster)
- Shafroth PB, JC Stromberg and DT Patten. August 27-31, 2000. Downstream effects of dams on riparian vegetation: Bill Williams River, Arizona. American Water Resources Association Annual Meeting. Portland, Oregon.
- Lee VJ, PB Shafroth, DT Patten and JC Stromberg. August 27-31, 2000. Predicting woody riparian seedling establishment in response to hypothetical reservoir releases. American Water Resources Association Annual Meeting. Portland, Oregon.
- Tiller RL, KA Snyder, DG Williams and JC Stromberg. August 5-10, 2000. Water source use of a riparian tallgrass, big sacaton (*Sporobolus wrightii*), along a gradient of depth to groundwater and rainfall regime. Ecological Society of America Annual Meeting. Snowbird, Utah.
- Oleksyszyn MM, JC Stromberg and DM Green. August 5-10, 2000. Relationships between edaphic factors and vegetation in a chronosequence of abandoned agricultural fields: A case study along the San Pedro River, Arizona. Ecological Society of America Annual Meeting. Snowbird, Utah. (poster).
- Fuentes TL and JC Stromberg. August 5-10, 2000. Seed banks of *Iliamna longisepala* (Malvaceae), a rare, fire dependent plant from Washington State. Ecological Society of America Annual Meeting. Snowbird, Utah (poster).
- Levine CM and JC Stromberg. May 12-13, 2000. Physical effects of flooding on native and exotic plant seedlings: implications for restoring riparian forest by manipulating flow regimes. Arizona Riparian

- Council Annual Meeting. Safford, Arizona.
- Lee VJ, PB Shafroth, JC Stromberg and DT Patten. April 3-6, 2000. Predicting woody riparian seedling establishment in response to hypothetical reservoir releases. 20th Annual American Geophysical Union Hydrology Days. Fort Collins, Colorado.
- Levine CM and JC Stromberg. February 12, 2000. Physical effects of flooding on native and exotic plant seedlings: implications for restoring riparian forest by manipulating flow regimes. Arizona State University Life and Earth Science Graduate Research Symposium. Tempe, Arizona (poster).
- Oleksyszyn MM, JC Stromberg and DM Green. February 12, 2000. Relationships between edaphic factors and vegetation in a chronosequence of abandoned agricultural fields: a case study along the San Pedro River, Arizona. Arizona State University Life and Earth Science Graduate Research Symposium. Tempe, Arizona (poster).
- Tiller RL, LJ Kennedy, BE Spakes, JC Stromberg, JC Stutz and DT Patten. November 8-10, 1999. Ecology of *Sporobolus wrightii* (big sacaton): Implications for restoration and management of riparian grasslands in southwestern North America. Divided waters - common ground: cooperative research and management of bi-national resources in the Upper San Pedro Basin of Sonora and Arizona. Cananea, Sonora, Mexico and Bisbee, Arizona, USA (poster).
- Levine CM and JC Stromberg. October 13-16, 1999. Physical effects of flooding on native and exotic plant seedlings: implications for restoring riparian forests by manipulating flow regimes. Natural Areas Conference. Tucson, Arizona (poster).
- Levine CM and JC Stromberg. August 8-12, 1999. Effects of sediment burial on woody seedling growth and survivorship: Comparative responses of native riparian species to saltcedar. Ecological Society Annual Meeting. Spokane, Washington (poster).
- Patten DT, L Rouse and JC Stromberg. August 8-12, 1999. Great Basin springs: vegetation response to potential groundwater withdrawal. Ecological Society Annual Meeting. Spokane, Washington.
- Tiller RL, BE Spakes, LJ Kennedy, JC Stormberg, JC Stutz and DT Patten. September 23-25, 1999. Ecology of *Sporobolus wrightii* (big sacaton): implications for restoration and management of riparian grasslands in southwestern North America. Society for Ecological Restoration Annual International Conference. San Francisco, California (poster).
- Tiller RL, J Fonseca, D Gori, D Backer, K Fox, E Wilk, J Cooper and JC Stromberg. September 23-25, 1999. Revegetation of big sacaton (*Sporobolus wrightii*) into abandoned agricultural fields in southeastern Arizona. Society for Ecological Restoration Annual International Conference. San Francisco, California.
- Levine CM and JC Stromberg. August 8-12, 1999. Effects of sediment burial on woody seedling growth and survivorship: Comparative responses of native riparian species to saltcedar. Ecological Society Annual Meeting. Spokane, Washington (poster).
- Stromberg JC June 6-12, 1999. Natural recovery of *Populus-Salix* forests along a *Tamarix*-dominated river. Society of Wetland Scientists Annual Meeting. Norfolk, Virginia.
- Boudell J and JC Stromberg. June 6-12, 1999. Role of the seed bank in maintaining biodiversity in Southwestern riparian ecosystems. Society of Wetland Scientists Annual Meeting. Norfolk, Virginia.
- Patten DT and JC Stromberg. June 6-12, 1999 Riparian restoration decisions: lessons from two dewatered eastern Sierra streams. Society of Wetland Scientists Annual Meeting. Norfolk, Virginia.
- Stromberg JC. April 30-May 1, 1999. Population biology of Arizona sycamore: Results and management applications. Arizona Riparian Council Annual Meeting. Flagstaff, Arizona.
- Tiller RL, BE Spakes, LJ Kennedy, JC Stromberg, JC Stutz and DT Patten. April 30-May 1, 1999. An ecological study of *Sporobolus wrightii* (big sacaton) riparian grasslands in southeastern Arizona: Implications for management and restoration. Arizona Riparian Council Annual Meeting. Flagstaff, Arizona (poster).
- Tiller RL, LJ Kennedy, JC Stromberg and JC Stutz. April 17, 1999. Factors affecting germination, emergence

- and seedling growth of *Sporobolus wrightii* in controlled environments. Arizona-Nevada Academy of Sciences Annual Meeting. Flagstaff, Arizona.
- Stromberg JC and DT Patten. October 8-9, 1998. Functional equivalency of saltcedar (*Tamarix chinensis*) and Fremont cottonwood (*Populus fremontii*) along a free-flowing river. Society of Wetland Scientists, Western and Rocky Mountain Chapters Annual Meeting. Reno, Nevada.
- Shafroth PB, JC Stromberg and DT Patten. June 7-12, 1998. Woody riparian vegetation along the dammed Bill Williams River and the undammed Santa Maria River, Arizona. Society of Wetland Scientists Annual Meeting. Anchorage, Alaska.
- Patten DT, L Rouse and JC Stromberg. June 7-12, 1998. Vegetation dynamics of Great Basin springs: potential effects of groundwater withdrawal. Society of Wetland Scientists Annual Meeting. Anchorage, Alaska.
- Shafroth PB, JC Stromberg and DT. Patten. April 17-18, 1998. Woody riparian vegetation along the dammed Bill Williams and undammed Santa Maria River. Arizona Riparian Council Annual Meeting. Yuma, Arizona.
- Marler R, DT Patten and JC Stromberg. April 17-18, 1998. Response of riverine ecosystems to wastewater inputs. Arizona Riparian Council Annual Meeting. Yuma, Arizona.
- Kennedy LJ, JC Stutz, RL Tiller and JC Stromberg. August 10-14, 1997. Temporal dynamics of arbuscular mycorrhizae in *Sporobolus wrightii*, a perennial tallgrass in riparian zones of southwestern North America. Ecological Society of America Annual Meeting. Albuquerque, New Mexico.
- Stromberg JC. June 1-6, 1997. Herbaceous understory species in cottonwood-willow dominated ecosystems of Arizona: dynamics and effects of human influences. Society of Wetland Scientists Annual Meeting. Bozeman, Montana.
- Shafroth PB, JC Stromberg, DT Patten and GT Auble. June 1-6, 1997. Relationships between streamflow and woody riparian plant establishment within a species rich and longitudinally diverse southwestern riparian ecosystem. Society of Wetland Scientists Annual Meeting. Bozeman, Montana.
- Tiller RT, JC Stromberg, DT Patten, JC Stutz and LJ Kennedy. June 1-6, 1997. Seed ecology of *Sporobolus wrightii* grasslands in southern Arizona. Society of Wetland Scientists Annual Meeting. Bozeman, Montana.
- Cornwall CX, JC Stromberg and D. Patten. June 1-6, 1997. Comparing streambank stabilizing traits of riparian graminoids. Society of Wetland Scientists Annual Meeting. Bozeman, Montana.
- Rouse LH, DT Patten and JC Stromberg. June 1-6, 1997. Factors influencing bird use of desert springs. Society of Wetland Scientists Annual Meeting. Bozeman, Montana.
- Marler RJ, DT Patten and JC Stromberg. June 1-6, 1997. Assessment of the structure and function of effluent-dominated riverine ecosystems in semi-arid environments. Society of Wetland Scientists Annual Meeting. Bozeman, Montana.
- Stromberg JC. April 11, 1997. Ecology of salt cedar. Arizona Riparian Council Annual Meeting. Sierra Vista, Arizona.
- Stromberg JC. February 10-14, 1997. Response of riparian vegetation to floods of varying magnitude and timing. American Society of Limnology and Oceanography Annual Meeting. Santa Fe, New Mexico.
- Stromberg JC and R Tiller. 1996. Effects of groundwater decline on riparian vegetation in semiarid regions. INTECOL International Wetlands Conference. Perth, Australia.
- Patten DT and JC Stromberg. 1996. Riparian vegetation and geomorphic responses to different flood intensities along low gradient rivers in the arid Southwest USA. INTECOL International Wetlands Conference. Perth, Australia.
- Hofstra TS, JC Stutz and JC. Stromberg. 1996. Factors affecting wetwood intensity of Arizona Fremont cottonwood (*Populus fremontii*). Mycological Society of America Annual Meeting. Indianapolis, Indiana.

- Stromberg JC and L Gengarely. 1996. Spatial distribution of exotic herbaceous species in riparian ecosystems of a semi-arid region. Society for Wetland Scientists Annual Meeting. Kansas City, Missouri (poster).
- Shafroth P, JC Stromberg, DT Patten, AE Springer and JM Wright. 1996. Riparian habitat enhancement and groundwater recharge: a feasibility study on the Agua Fria River, Maricopa County, Arizona. Arizona Hydrological Society Annual Meeting. Prescott, Arizona.
- Springer AE, JM Wright, PB Shafroth, JC Stromberg and DT Patten. 1996. Coupling groundwater and riparian vegetation models to simulate impact of a reservoir release from New Waddell Dam into the Agua Fria River, Maricopa County, Arizona. Arizona Hydrological Society Annual Meeting. Prescott, Arizona.
- Elliott LK, JC Stutz, RL Tiller, and JC Stromberg. 1996. Arbuscular mycorrhizal fungi, a possible tool for restoration of giant sacaton grasslands. Grasslands Conference. Tucson, Arizona.
- Stromberg JC. 1996. Effects on riparian vegetation of floods of varying magnitude, timing, and duration. Arizona Hydrological Society Annual Meeting. Prescott, Arizona.
- Stromberg J. 1996. Ecology of cottonwood forests. Sonoita Valley Planning Partnership Meeting. Sonoita, Arizona.
- Stromberg JC, J Fry, DT Patten, M Sommerfeld and C Kramer. 1996. Riparian vegetation and water quality along the Santa Cruz River. Santa Cruz Active Management Area Conference. Rio Rico, Arizona.
- Stromberg JC, W Hipke and GL Bushner. 1995. The Arizona Riparian Protection Program- the San Pedro Case Study. Arizona Hydrological Society Annual Meeting. Tucson, Arizona.
- Stromberg JC, DT Patten, J Fry, M Sommerfeld and C Kramer. 1995. Water quantity, water quality, and ecosystems of the Bi-National Santa Cruz River Basin. Southwest Center for Environmental Research and Policy Conference. Mexico City, Mexico.
- Stromberg JC, LG Wolden, L Gengarely and B Rogers. 1995. Introduced herbaceous species in Arizona's riparian ecosystems: spatial and temporal distribution patterns. Third International Conference on the Ecology and Management of Invasive Riparian and Wetland Plants. Tempe, Arizona.
- Stromberg JC and R Tiller. 1995. Effects of groundwater decline on riparian vegetation in a semiarid region. Ecological Society of America Annual Meeting. Snowbird, Utah (poster).
- Patten DT and JC Stromberg. 1995. Response of a southwestern riparian community to a 25-yr return flood. Ecological Society of America Annual Meeting. Snowbird, Utah.
- Stromberg J and R Tiller. 1995. Effects of groundwater decline on riparian vegetation associated with the San Pedro River in southeastern Arizona. New Mexico Riparian Council Symposium. Albuquerque, New Mexico (poster).
- Swenson W, JC Stromberg and RL Tiller. 1995. Long-horned beetle induced mortality of riparian cottonwood and willow trees along an effluent-dominated southwestern stream. Entomological Society of America Symposium Regional Meeting. San Diego, California
- Patten DT, JC Stromberg, J Fry, MR Sommerfeld and C Kramer. 1994. Interrelationships among land use, water use, riparian communities, and water quality on an effluent dominated river in the Southwest. Ecological Society of America Annual Meeting. Knoxville, Tennessee.
- Stromberg JC. 1994. Multidisciplinary monitoring in a dynamic landscape: riparian ecosystems of the arid Southwest. Natural Areas Society Annual Meeting. Palm Beach Gardens, Florida.
- Stromberg J, J Fry, G Bushner, S Corell and P McCraw. 1994. Ground water decline and Sonoran riparian forests: Past change and future prediction for two southern Arizona Rivers. Society of Wetland Scientists Annual Meeting. Portland, Oregon.
- Patten DT and JC Stromberg. 1994. Instream flow needs for riparian vegetation maintenance and regeneration: A requirement for instream flow recommendations. Society of Wetland Scientists Annual Meeting. Portland, Oregon.

- Stromberg J, R Tiller, L Hedrick, J Don de Ville, W Swenson and S Montoya. 1994. Consequences of groundwater decline for riparian and wetland vegetation along the San Pedro River. Arizona Riparian Council Annual Meeting. Phoenix.
- Patten DT and JC Stromberg. 1994. Vegetation response to channel and sediment changes along the Hassayampa River following the 1993 winter floods. Arizona Riparian Council Annual Meeting. Phoenix.
- Stromberg JC, MR Sommerfeld, DT Patten, J Fry, C Kramer, F Amalfi and C Christian. 1993. Release of effluent into the Upper Santa Cruz River, Southern Arizona: Ecological considerations. American Water Resources Association Effluent Use Management Symposium. Tucson, Arizona
- Stromberg JC. 1993. Hot desert riparian ecosystems: Ecological perspective of hydrological needs. Range Management Society Symposium on Vegetation Management of Hot Desert Rangeland Ecosystems. Phoenix, Arizona.
- Stromberg JC. 1993. Dynamics of low desert riparian areas. University of Arizona Symposium: Streams in the Desert. Tucson, Arizona.
- Stromberg JC. 1993. Upper Santa Cruz River: ecology and management. Arizona Riparian Council Annual Meeting. Rio Rico, Arizona.
- Stromberg JC. 1993. Regional variation in *Populus fremontii* recruitment patterns: preliminary analysis. Arizona Riparian Council Annual Meeting. Rio Rico, Arizona.
- Stromberg JC. 1992. Instream flow models for mixed deciduous riparian forests within a semiarid region. American Water Resources Association Symposium: Managing Water Resources During Global Change. Sparks, Nevada.
- Stromberg JC. 1992. Effects of age on gender-related growth differences in *Populus fremontii* and *Populus trichocarpa*. Ecological Society of America Annual Meeting. Honolulu, Hawaii.
- Patten DT and JC Stromberg. 1992. Status and condition of western riparian systems. Ecological Society of America Annual Meeting. Honolulu, Hawaii.
- Stromberg JC, SD Wilkins and JA Tress. 1992. Management applications of vegetation-hydrology response curves for riparian ecosystems. Society of Wetlands Scientists Annual Meeting. New Orleans, Louisiana.
- Stromberg JC. 1992. Relations between groundwater and mesquite bosque communities in southern Arizona. Arizona Hydrological Society Meeting, Tucson, Arizona.
- Stromberg JC, DT Patten and BD. Richter. 1992. Recruitment dynamics of cottonwood-willow riparian forests. Arizona Riparian Council Annual Meeting. Cottonwood, Arizona.
- Stromberg J. 1992. Instream flow models for mixed deciduous riparian forests in the Verde River watershed, Arizona. Arizona Riparian Council Annual Meeting. Cottonwood, Arizona.
- Stromberg JC, LG Wolden, BA Rogers and DT Patten. 1991. Recovery and restoration of the understory flora in mesquite bosques. Natural Areas Society Annual Meeting. Estes Park, Colorado.
- Stromberg JC, SD Wilkins and JA Tress. 1991. Groundwater maintenance needs for riparian mesquite bosques. Natural Areas Society Annual Meeting. Estes Park Colorado.
- Stromberg JC, SD Wilkins and JA Tress. 1991. Effects of groundwater decline on mesquite bosques. Ecological Society of America Annual Meeting. San Antonio, Texas (poster).
- Patten DT and JC Stromberg. 1991. Instream flows for aquatic/riparian ecosystem integrity. Universities Council on Water Resources Annual Meeting. Albuquerque, New Mexico.
- Stromberg JC 1991. Riparian ecosystems: ecology and conservation. Arizona Native Plant Society Annual Meeting. Sierra Vista, Arizona.
- Stromberg JC and DT Patten. 1990. Riparian vegetation maintenance and stream diversion for urban use: are they compatible? Watershed Management Council Biennial Conference. Ontario, California (poster).

- Stromberg JC and DT Patten. 1990. Dynamics of old-growth spruce-fir forests at their southern range limit in Arizona. Ecological Society of America Annual Meeting. Snowbird, Utah (poster).
- Patten DT and JC Stromberg. 1990. Ecological effects of urbanized watersheds. Watershed Management Council Biennial Conference. Ontario, California (poster).
- Patten DT and JC Stromberg. 1990. Ecological impacts of water supply projects. Water Supply Alternative Workshop, U.S. Environmental Protection Agency Office of Wetlands Protection. Tucson, Arizona.
- Stromberg JC, JA Tress and SD. Wilkins. 1990. Effects of groundwater withdrawal on velvet mesquite (*Prosopis velutina*) in Tanque Verde Creek, Tucson, Arizona. Arizona Riparian Council Annual Meeting. Tucson, Arizona.
- Richter BD, DT Patten and JC Stromberg. 1990. Evaluating the role of flooding in a Southwestern riparian system. Arizona-Nevada Academy of Science Annual Meeting.
- Stromberg JC and DT Patten. 1989. Long-term effects of stream diversion on riparian tree growth. Ecological Society of America Annual Meeting. Toronto, Canada (poster).
- Stromberg JC and DT Patten. 1989. Flow needs for growth and maintenance of woody riparian vegetation. Arizona Riparian Council 4th Annual Meeting. McNary, Arizona.
- Stromberg JC and DT Patten. 1989. Spruce-fir vegetation dynamics. The Biology of Mt. Graham Workshop. Tucson, Arizona.
- Richter BD, JC Stromberg and DT Patten. 1989. The influences of flooding on a Southwestern riparian system. Arizona Riparian Council Annual Meeting. McNary, Arizona.
- Stromberg JC and I MacPherson. 1988. Environmental impacts of the Superconducting Supercollider. Arizona Public Health Association Annual Meeting. Prescott, Arizona.
- Stromberg JC and DT Patten. 1988. A season at the Hassayampa River. Arizona Riparian Council Annual Meeting. Casa Grande, Arizona.
- Stromberg JC and DT Patten. 1988. Total protection: one management option. Society of Wetland Scientists Symposium on Restoration, Creation and Management of Wetland and Riparian Ecosystems in the American West. Denver, Colorado (poster).
- Stromberg JC and DT Patten. 1988. Early recovery of an eastern Sierra riparian system following forty years of stream diversion. California Riparian Systems Conference. Davis, California.
- Patten DT and JC Stromberg. 1988. Riparian vegetation response to stream diversion: clues for instream flow requirements. Arizona Riparian Council Annual Meeting. Casa Grande, Arizona.
- Stromberg-Wilkins JC and DT Patten. 1987. Mast cropping in Arizona walnut. Society of Wetland Scientists (Rocky Mountain Chapter) Annual Meeting. Seattle, Washington.
- Stromberg-Wilkins JC and DT Patten. 1986. *Juglans major*: reproduction and establishment in terrace and streamside habitats. Arizona Riparian Council Annual Meeting. Flagstaff, Arizona.
- Stromberg-Wilkins JC and DT Patten. 1986. Patterns of reproduction in *Juglans major* as related to yearly moisture stress. Ecological Society Annual Meeting, Syracuse, New York (poster).
- Stromberg-Wilkins JC and DT Patten. 1984. Reproductive output and seedling establishment of *Juglans major* along riparian moisture gradients. Ecological Society of America Annual Meeting. Fort Collins, Colorado
- Stromberg JC, TM Krischan and RR. Robbins. 1981. A reinterpretation of the hybrid origin of *Drosera anglica*. Wisconsin Academy of Science, Arts and Letters Annual Meeting. Madison, Wisconsin.

Grant awards

- 2014-2016. Stromberg. Seed bank analysis and drought response of *Lilaeopsis schaffneriana* var. *recurvata*. Arizona Department of Agriculture, Endangered Species Act, Section 6 Grant Program.

2014-2016. Stromberg. Population and habitat assessment of *Spiranthes delitescens*. Arizona Department of Agriculture, Endangered Species Act, Section 6 Grant Program.

2014-2016. Stromberg and Yost. Dynamics of *Amsonia kearneyana* in four habitat types. Arizona Department of Agriculture, Endangered Species Act, Section 6 Grant Program. \$11,167.

2013-2014. Stromberg, Makings. Urban riparian forests. Arizona State Forestry, Community Challenge Grant (USDA, Prime). \$9,300.

2012-2013. Stromberg. Abundance, seed production, and seedling establishment of *Amsonia kearneyana*. Arizona Department of Agriculture, Endangered Species Act, Section 6 Grant Program. \$20,200.

2011-2014. Meixner, Dominguez, Duan, Maddock, Plane, Vivoni, Stromberg, Brookshire. Climate and population change and thresholds of peak ecological water: Integrated synthesis for dryland rivers. NSF-Hydrological Sciences. \$1,500,864, total award.

2010-2014. Stromberg, Sabo, Lohse, and Meixner. Structure and function of ephemeral streams in the arid and semiarid southwest: Implications for conservation and management. DoD/SERDP. \$880,280, total award.

2008-2010. Stromberg. Condition class mapping of the Lower San Pedro River. The Nature Conservancy. \$26,941.

2008-2009. Stromberg, Meixner, Reinthal, Haney, and Turner. Verde River ecological flow studies Phase II. Arizona Water Institute. \$32,394.

2008-2009. Rock, Uhlman, Stromberg, and Solop. Status of generations, reuse and recharge of treated wastewater In Arizona; evaluation of programs, data sources and utilization opportunities. Arizona Water Institute. \$49,930.

2008-2009. Stromberg. Monitoring of vegetation within the San Pedro Riparian National Conservation Area. USDA-ARS. \$22,962.

2008-2009. Katz, Stromberg, and others. Test of riparian recovery following cessation of groundwater pumping. Arizona Water Protection Fund. \$57,179.

2008-2010. Stromberg. Environmental controls on biofilm development in effluent-dominated waterways. EPA/SCERP. \$48,375.

2007-2011. Meixner, Stromberg, Baird, Dixon, Hogan. Hydrologic thresholds for biodiversity in semiarid riparian ecosystems: importance of climate change and variability. EPA-STAR grant. \$841,880.

2007. Springer, Stromberg, Peartree, Stevens, and Haney. Verde River ecological flow science- a collaborative approach. Arizona Water Institute. \$47,628.

2007-2008. Stromberg and Katz. Riparian ecosystem response to cessation of groundwater pumping, Lower San Pedro River, Arizona. University of Arizona Water Resource Center (US Geological Survey 104B program). \$11,990.

2005-2008. Stromberg, White and White. Riparian plant diversity and landscape scale processes: Implications for restoration. DOD-Army Corps of Engineers. \$92,951.

2005-2006. Stromberg. Salt River riparian ecosystem restoration. University of Arizona Water Research Resources Center (US Geological Survey 104B program). \$8,869.

2004-2008. Stromberg. Riparian vegetation modeling. Subcontract with University of New Mexico (EPA, prime; STAR grant "Integrated Modeling and Valuation of an Ecosystem") \$42,150 to ASU.

2003-2005. Stromberg. Stream channel migration and riparian tree establishment. USDA-ARS. \$43,428.

2003-2004. Stromberg. Monitoring of riparian restoration success at Rio Salado demonstration site. Wass Gerke and Associates, Inc. \$48,100.

2003-2004. Stromberg, Landrum and Makings. Flora of the San Pedro National Riparian Conservation Area. Bureau of Land Management. \$20,000.

2002-2004. Stromberg, Stutz, Beauchamp and Lite. Natural recovery of native riparian tree species to

exotic-dominated sites: influence of physical processes and biotic interactions. Southwest Center for Environmental Research and Policy/EPA. \$75,000.

2002-2003. Stromberg, Stutz, Beauchamp. Effects of mycorrhizae on competitive ability and drought tolerance of cottonwood and saltcedar. University of Arizona (US Geological Survey 104B program). \$9,017.

2001-2004. Stromberg. SPRNCA riparian water needs study. US Bureau of Land Management. \$228,600.

2001-2009. Stromberg. Functioning of riparian ecosystems. University of Arizona (National Science Foundation SAHRA Center). \$223,714.

2001-2006. Stromberg. Potential effects of climate change on Upper San Pedro River riparian ecosystem. American Bird Conservancy. \$79,500.

2001-02. Stromberg. SPRNCA riparian water needs study. Arizona Department of Water Resources. \$63,000.

2000-02. Stromberg and Boudell. Restoring biodiversity to semi-arid region riparian ecosystems: role of seed banks. The Nature Conservancy. \$45,546.

2000-01. Stromberg. Role of the seed bank in restoring biodiversity to Southwestern riparian ecosystems. Bureau of Reclamation. \$9,795.

1999-02. Maddock, Baker, Colby, Glennon and Stromberg. Restoring and maintaining riparian ecosystem integrity in arid watersheds: meeting the challenge through science and policy analysis. Environmental Protection Agency. \$1,089,862, total award.

1999-00. Stromberg. Physical effects of flood flows on seedling growth and survivorship: comparative responses of native riparian trees and shrubs to saltcedar. University of Arizona Water Resources Research Center (U. S. Geological Survey), \$7,000.

1998-00. Brady, Guhathakurta, Stromberg and Whyson. The Transborder Watershed Research Program. Southwest Center for Environmental Research and Policy (Environmental Protection Agency). \$269,981.

1998-00. Stromberg. Riparian ecology investigations. Department of Defense, Fort Huachuca Military Base. \$63,648.

1997-00. Stromberg, Stutz, and Patten. Management of scrub grassland habitat. Arizona Game and Fish Department. \$61,768.

1997-99. Stromberg and Patten. Riparian vegetation restoration for the Provo River. Utah Reclamation Mitigation and Conservation Commission. \$46,000.

1996-98. Stromberg. Regeneration and survivorship of Arizona sycamore. Arizona Water Protection Fund. \$34,617.

1996-97. Patten and Stromberg. Assessment of the role of effluent dominated rivers in supporting riparian function. Arizona Department of Water Resources. \$46,750.

1996-97. Stromberg and Cornwall. Quantifying anti-erosion traits of streambank graminoids. Arizona Water Protection Fund. \$14,200.

1996-00. Stromberg, Patten, and Stutz. Autecology and restoration of *Sporobolus wrightii* riparian grasslands in southern Arizona. Arizona Water Protection Fund. \$72,450.

1995-96. Patten, Grimm, Maddock, Ohmart, and Stromberg. Functional assessment of effluent dominated riparian ecosystems. University of Arizona Water Resources Research Center (US Geological Survey). \$23,020.

1995-96. Patten and Stromberg. Long-term research and monitoring of cottonwoods in the Bill Williams River Wildlife Refuge. US Fish and Wildlife Service. \$25,622.

1995-96. Patten and Stromberg. Groundwater recharge and riparian habitat development in the Agua Fria basin. Arizona Department of Water Resources. \$30,910.

- 1995-96. Patten and Stromberg. Dam management and riparian ecosystems. University of Arizona Water Resources Research Center (US Geological Survey). \$10,240.
- 1994-96. Patten and Stromberg. Riparian and wetland ecosystems in Nevada. National Park Service. \$79,600.
- 1994-96. Mays, Burns, Fox, Gober, Graf, and Stromberg. Salt-Gila river management policy study. Maricopa County Flood Control District. \$599,994.
- 1994-96. Stromberg. Garden Canyon riparian vegetation assessment. Department of Defense, Fort Huachuca Military Base. \$30,805.
- 1993-95. Stromberg. Hydrologic requirements for the regeneration and maintenance of the riparian forest ecosystem, San Pedro River. The Nature Conservancy \$79,984.
- 1993-94. Stromberg. Effects of groundwater pumpage and surface flow reduction on riparian ecosystems in Arizona. Arizona Department of Water Resources. \$69,022.
- 1992-94. Stromberg. Mistletoe abundance as a bioindicator of riparian plant stress. Arizona Game and Fish Department. \$5,941.
- 1992-93. Patten and Stromberg. Riparian and wetland ecosystems. National Park Service. \$50,835.
- 1992-93. Patten, Green, Stromberg, and Sommerfeld. Best management practices: Santa Cruz River. Southwest Center for Environmental Research and Policy (Environmental Protection Agency). \$110,537.
- 1991-92. Stromberg. Effects of surface and subsurface water decline on Sonoran riparian forests. Southwest Center for Environmental Research and Policy (Environmental Protection Agency). \$17,228.
- 1991-92. Stromberg and Patten. Effective management of water resources: a function of geomorphology and instream flow requirements. US Geological Survey. \$36,740.
- 1990-91. Patten and Stromberg. Instream flow needs of riparian trees. Los Angeles Department of Power and Water. \$52,608.
- 1989-92. Patten and Stromberg. Instream flow requirements for riparian vegetation at Bishop Creek, Inyo County, California. Southern California Edison. \$64,310.
- 1989-91. Patten and Stromberg. Cone production by conifers at high-elevation sites in the Pinaleno Mountains. The Research Corporation. \$22,300.
- 1989-91. Patten and Stromberg. Restoration of the herbaceous community at the Hassayampa River Preserve. Nature Conservancy. \$9,000.
- 1988-90. Patten and Stromberg. Dynamics of riparian species along Rush Creek. California, Los Angeles Department of Power and Water. \$30,015.

Grant awards supervised

- 2007-2011. White, Margaret. Effluent-dependent waterways in the Southwest: Advancing water policy through ecological analysis. STAR Fellowship, Environmental Protection Agency. \$110,000
- 1998-2001. Beauchamp, Vanessa. STAR Fellowship, Environmental Protection Agency

IV. PROFESSIONAL SERVICE

Editorial duties

- 2013-2015. Guest editor, special issue of Ecohydrology
2012. Guest editor, Ecological Applications
- 2009-2011. Editorial board, Landscape Ecology
- 2005-2008. Associate editor, Wetlands
- 2002-2005. Editorial board, Restoration Ecology

1997-2002. Book review editor, *Restoration Ecology*

1994-1996. Editorial board, *Ecological Applications*

Grant review

Alberta Ingenuity Centre for Water Research, American Institute of Biological Sciences, Aspen Environmental, CAL-FED Ecosystem Restoration Program, California Sea Grant Program, Environmental Protection Agency, National Geographic Foundation, National Research Council, Science Foundation of Arizona State University, Southwest Consortium for Environmental Research and Policy, National Science Foundation, the Nature Conservancy, U. S. Bureau of Reclamation, U. S. Park Service, Yellowstone Park Research Review Panel

Ad-hoc manuscript review

Agricultural and Forest Meteorology, American Fisheries Society, American Geophysical Union, American Midland Naturalist, Annals of Forest Science, Applied Ecology, Arid Land Research and Management, Biodiversity and Conservation, Biological Conservation, BioScience, Canadian Journal of Forest Research, Climatic Change, Conservation Biology, Diversity and Distributions, Ecohydrology, Ecological Applications, Ecological Engineering, Ecology, Ecology and Society, Ecosystems, Environmental and Experimental Botany, Environmental Management, Environmental Science & Policy, Environmental Practice-
Journal of the National Association of Environmental Professionals, Fire Ecology, Forest Ecology and Management, Forests, Freshwater Ecology, Frontiers in Ecology and the Environment, Geomorphology, Global Change Biology, Great Basin Naturalist, Hydrobiologia, Hydrogeology Journal, Hydrological Processes, International Journal of Biometeorology, Invasive Plant Science and Management, Journal of Applied Ecology, Journal of Arid Environments, Journal of the Arizona-Nevada Academy of Science, Journal of Biodiversity Management & Forestry, Journal of Environmental Management, Journal of Hydrology, Journal of Range Management, Landscape Ecology, Madrono, Journal of Insects, Journal of North American Benthological Society, Journal of the American Water Resources Association, Journal of the Torrey Botanical Society, Journal of Vegetation Science, Northwest Science, Oecologia, Oikos, Plant Ecology, Perspectives in Plant Ecology Evolution and Systematics, Physical Geography, Policy and Science, Regulated Rivers, Restoration Ecology, Rivers, River Research and Applications, San Francisco Estuary and Watershed Science, Southeastern Naturalist, Southwest Naturalist, Studies in Avian Biology, Torrey Botanical Society, Western North American Naturalist, Wetlands.

Book reviews (by publisher)

Island Press, University of Arizona Press, American Fisheries Society, National Research Council of Canada Monograph Publishing Program

Reviews of agency publications

NEMO-Arizona Project WET Water Education, Citizen Science Monitoring Handbook; USGS Fact Sheets; The Nature Conservancy (Sacaton Riparian Grasslands report); Pima County Report on Ephemeral Streams and Riparian Vegetation.

Review of tenure packets

Dr. J. Stella, SUNY, December, 2012

Dr. A. Sher, University of Denver, 2011

Committee service-ASU

2014-present Chair, M.S. Graduate Program in Plant Biology and Conservation
2013-14 EEES representative to SOLS Graduate Programs Committee
2010-12 SOLS Undergraduate Programs Committee: Ecology and Conservation representative
2008-10 SOLS Safety Committee
2006-14 SOLS Greenhouse Committee
2005-10 SOLS Adjunct/Affiliates Committee
2005-06 SOLS-EEES Personnel Committee
2004-05 Mentor for junior faculty member in ASU Faculty Development Program
2004-05 Faculty Advisor for Plant Biology Service Learning Internships
2001-02 Plant Biology Dep't. Graduate admissions committee
2001-02 Plant Biology Dep't. Seminar committee
1999-02 Plant Biology Dep't. Affirmative action representative
1998-99 Plant Biology Dep't. Student awards committee
1998-02 Plant Biology Dep't. Undergraduate program committee
- Developed web page for Environmental Science and Ecology concentration
- Developed Bachelor of Interdisciplinary Studies Environmental Science degree that combines environmental science curricula from Plant Biology and Geography Departments

Conference organization, workshop participation, non-ASU committee service

2013 Co-chair of Conservation Committee, Arizona Riparian Council
2013 Co-organizer of conference: ARC/CAP LTER Spring Meeting-Sustaining Urban Rivers – Visions and Actions Across the Southwest (April 4-6, Scottsdale, AZ)
2012 Co-organizer (w/Andrew Salywon, Desert Botanical Garden) of session on Ecology and Restoration of Southwestern Cienegas, for Biodiversity & Management of the Madrean Archipelago III: Merging Science and Management in a Rapidly Changing World (May 3, Tucson, AZ)
2009 Co-organizer of session on "Stream and Riparian Ecology" at 9th Annual SAHRA meeting, Tucson, Arizona.
2007 Co-organizer of session on "Restoration of western riparian ecosystems: Challenges and solutions" at Ecological Society of America Annual Meeting (August, San Jose, California.)
2007 Participant in Regional Monitoring Partnership, Riparian Vegetation Monitoring Workshop, Tucson, Arizona, sponsored by Sonoran Institute.
2003 Participant in Streamside Vegetation-Hydrologic Interactions Workshop, March 25-28, 2003. Tucson, Arizona. Sponsored by USFS Rocky Mountain Research Station, Stream Systems Technology Center.
1997 Participant in Ponderosa Pine workshop at Northern Arizona University.
1997-2007 Arizona Riparian Council, Water Resources Committee member
1994 Co-organizer of conference: Arizona Riparian Council Annual Meeting, April, Phoenix, AZ
1992-93 President and Vice-president of Arizona Riparian Council

Technical review committees and advisory boards (non-ASU)

2014-2015. Member of McDowell Sonoran Field Institute's Science Advisory Committee
2012-2014 Member of Technical Review Committee, Reviving Rivers- Santa Cruz River (coordinated by the Sonoran Institute)
2010-2012 Member of Southwestern Willow Flycatcher Habitat Enhancement Technical Advisory Committee (Lead =Shannon Hatch, Restoration Coordinator for Tamarisk Coalition)

- 2010-2011 Member of Advisory Board for Arizona Statewide Environmental Water Needs Assessment (<http://portal.environment.arizona.edu/node/957>)
- 2011 Member of Technical Workgroup for Cooperative USGS-ADWR-TNC Verde River Ecological Flows Project
- 2010 Member of Riparian Technical Team for Las Cienegas BLM National Riparian Conservation Area
- 2010 Member of University Advisory Council for North American Center for Transborder Studies (NACTS)
- 2006-07. Member of Water Technical Committee, assisting Sonoran Institute in efforts to inform discussions related to groundwater use and riparian ecosystem preservation in Arizona.
- 2001 *Adaptive Management Forum Scientific and Technical Panel*, USFWS Anadromous Fish Restoration Program. Member of a team of experts that prepared a report recommending strategies for improving riparian ecosystem success in California, by integrating scientific experimentation and implementing adaptive management.
- 1998-present. *Southwestern Willow Flycatcher Recovery Team*. Member of a team of experts appointed by U.S. Fish and Wildlife Service. Duties included attending monthly meetings throughout the U.S. Southwest, meeting with stakeholder implementation groups, preparing and reviewing white papers, and co-authoring the Recovery Plan for the federally endangered Southwestern Willow Flycatcher.
- 1997-98. *San Pedro Expert Study Team*. Member of a team of experts appointed by the tri-national Commission for Environmental Cooperation. The team prepared a report assessing policy strategies for maintaining health of the San Pedro riparian ecosystem and assessing the status of our knowledge regarding linkages between hydrology and ecology in an actively urbanizing river basin. Additional duties included presenting findings of the report at public meetings in Arizona.
- 1994-96. *Arizona Water Protection Fund Board*. Governor-appointed member of a board that approved funding for projects (research and capital) to benefit the health of Arizona's riparian corridors.
- 1993-94. *Pima County Riparian Classification Technical Review Committee*.
- 1993-94. *Santa Maria River Feral Burro Technical Review Committee*.
- 1992-94. *Governor's Riparian Area Advisory Committee*. Governor-appointed member of a committee that recommended legislative strategies for protecting Arizona's riparian ecosystems.

Panel discussions, information sharing

- 2012 Invited participant for panel discussion following the movie "Watershed" (Sept.8, Phoenix Art Museum)
- 2012 Invited participant for panel discussion on Dynamics of Water in Urban Ecosystems; Decision Center for a Desert City Water/Climate Briefings (Sept .5, ASU)
- 2011 Invited participant in Central Arizona Chapter of the Association for Women in Science Writing Productivity seminar (Nov. 17, ASU)
- 2011-2012 Prepared material on riparian functions for University of Arizona Cooperative Extension, for use in Arizona Project WET middle-school educational program
- 2010 Planning committee for development of 'Plant-Pollinator Interpretative Garden' at Rio Salado Audubon Center (Sarah Porter, director, http://az.audubon.org/Center_RioSalado.html)
- 2010 October. Led field trip to Phoenix Rio Salado for group of 40 business executives working to integrate ecosystem services into corporate decision making (BSR Group; Sissel Waage, Ph.D., <http://www.bsr.org/index.cfm>)
- 2010 September. Provided interpretative materials for riparian field trip to Cienega Creek, part of the Arizona Hydrological Society Symposium (Mead Mier; http://www.azhydrosoc.org/2010_symposium.html)

2010 Contributed a segment on Environmental Flows to Horizon (PBS network, Channel 8). Sept. 28, 2010.
1993 Profiled in The Desert Speaks (segment on Restoring Desert Rivers), a long-running television program produced by KUAT-Tucson.

VI. TEACHING ACTIVITIES

Courses taught

BIO 502/BIO 494 Plant Conservation Biology (F 2014, F 2016)
BIO 591 Wetland Habitats of North America (F 2012)
BIO 323 Ecosystem Restoration and Management (aka Conservation Biology and Ecological Sustainability II (S 2008, S 2009, S 2010, S 2011, S 2012, S 2014, S 2015, S 2016)
BIO 410 Techniques in Ecology and Conservation (F 2011, F 2013)
PLB 421 Plant Ecology (S 1999, S 2001, S 2003, S 2005, S 2007)
PLB/BIO 498 Ecosystem Restoration and Management (F 2002, F 2004, F 2006)
PLB 322 Environmental Science (F 1999, F 2000, F 2001, F 2003)
BIO 189 Life Sciences Career Paths (F 2010, F 2012, F 2015, F2016)
BIO 320 Fundamentals of Ecology (F 2008; w/Nash)
PLB 598 Understanding Biodiversity (S 2006)
PLB/BIO 591 Seminar: Invasive Species (F 2003; w/Chew)
PLB/BIO 498 Riparian Ecosystems (F 2005)
PLB 498/598 Riparian Restoration Ecology (S 2000)
PLB 598 Ecology Field Methods (F 1999)
PLB/BIO 591 Seminar: Ecological Indicators (S 2000)
PLB 598 Western Forest and Range Management: Law and Science (S 1998; W/Feller)
BIO 494 Ecosystem Management (F 1997)
PLB 108 Concepts of Plant Biology (F 1997, S 1998; w/Martin)

Graduate student mentoring:

Graduate degree in progress

Kara Barron, MS (co-chair with Kim McCue of DBG)
Erick Lundgren, MS (chair)
Peter Breslin, PhD (committee member; Dr. Wojciechowski, chair)

Graduated (26 MS, 9 PhD)

Amanda Suchy. Dec. 2016. Denitrification in accidental urban wetlands: Exploring the roles of water flows and plant patches. PhD
Setaro, Danika. Dec. 2016. MS. A seed bank study of southwestern riparian areas: Temperature effects and diversity. MS.
Madera, Robert. May 2016. Screwbean mesquite (*Prosopis pubescens*) die-off: Population status at restored and unrestored sites in the Lower Colorado River watershed. MS.
Wolkis, Dustin. May 2016. Plant ecology of desert marshes; a watershed moment for cienega conservation. MS.
Yost, Tyna. Dec. 2015. *Amsonia kearneyana* (Apocynaceae) Kearney's Blue Star: new insights to inform recovery. MS.
Butler, Lane. July 2015. Ecological effects of stream flow permanence on butterfly and plant

- communities of Sonoran Desert streams. MS.
- Coburn, Frankie. July 2015. Flora of the Upper Verde River, Arizona. MS (co-chair, Dr. Landrum).
- Case, Natalie. Dec. 2012. Environmental controls on clogging in effluent-dominated waterways. MS.
- Hazelton, Andrea. December 2011. How will hydrologic change alter riparian plant communities of the arid and semi-arid Southwest? The problem approached from two perspectives. MS.
- White, Margaret. December 2011. Effluent-dominated waterways in the Southwest: Advancing water policy through ecological analysis. PhD.
- Betsch, Jacqueline. 2010. Plant community composition along the historic Verde River irrigation system: does hydrochory play a role. MS.
- Rychener, Tyler. 2006. Pattern and process: Effects of riparian fire along the San Pedro River, Arizona. MS.
- White, Jacqueline M. 2006. Resilience of the plant community and seedbank in an urbanized riparian corridor (Salt River, Arizona). MS.
- Shorrock, Donna. 2006. Vegetation, seed banks, and mycorrhizae of the Zion River riparian corridor (Utah): implications for restoration. MS.
- Paradzick, Charles. 2005. Characterizing southwestern willow flycatcher habitat along the Lower San Pedro and Gila Rivers: vegetation and hydrogeomorphic considerations. MS.
- Ortiz-Barney, Elena. 2005. Seed banks in desert grasslands and implications for management with an application to education and outreach. PhD.
- Marler, Roy. 2005. Riparian plant community development on effluent-dependent rivers in Arizona. PhD (Co-chair, D. Patten).
- Beauchamp, Vanessa B. 2004. Effects of flow regulation on a Sonoran riparian ecosystem, Verde River, Arizona. PhD (Co-chair, J. Stutz).
- Tiller, Ron. 2004. Seed ecology, productivity, and water source use by *Sporobolus wrightii*. PhD.
- Boudell, Jere A. 2004. Propagule banks as refugia for plant diversity in southwestern riparian ecosystems. PhD.
- Lite, Sharon. 2003. San Pedro River riparian vegetation across water availability and flood disturbance gradients. PhD.
- Makings, Elizabeth. 2003. Flora of the San Pedro River National Conservation Area, Cochise County, Arizona. MS (Co-chair, L. Landrum).
- Richter, Rebecca. 2002. Riparian seed banks of Garden and Ramsey Canyons in the Huachuca Mountains, Arizona. MS.
- Bagstad, Kenneth. 2002. Herbaceous plants as bioindicators of groundwater decline, San Pedro River, Arizona. MS.
- Oleksyszyn, Michelle. 2001. Vegetation and soil changes in secondary succession of abandoned fields along the San Pedro River. MS.
- Werling, Rachel. 2001. The Lagolaveche flora: Trees and shrubs of a Oaxacan tropical deciduous forest. MS.
- Levine, Crystal. 2001. Physical effects of flooding on native and exotic plant seedlings: implications for restoring riparian forests by manipulating flow regimes. MS.
- Fuentes, Tracy. 2000. Population and community ecology of *Iliamna longisepala* (Malvaceae), a Washington State endemic. MS.
- Johnson, Heidi. 2000. Biological indicators of the effects of ground water decline on *Populus fremontii* S. Wats.-*Salix gooddingii* Ball forests. MS.
- Drezner, Taly. 1999. Plant distribution and dispersal mechanisms at the Hassayampa River Preserve, Arizona. MA. (Co-chair, P. Fall, Geography).
- Kramer, Sharon. 1999. Functional groups and plant-environment relationships: restoration guidelines for

the Provo River, Utah. MA (Co-Chair, W. Graf, Geography).

Shafroth, Patrick. 1999. Downstream effects of dams on Southwestern riparian ecosystems: Bill Williams River, Arizona. PhD.

Cornwall, Caitlin. 1998. Stream stabilizing traits in common riparian graminoids from a semi-arid alluvial stream. MS (Co-chair, D. Patten).

Rouse, Leigh. 1998. Riparian vegetation, avian diversity, and hydrology of spring in Ash Meadows National Wildlife refuge, Nevada. MS (Co-chair, D. Patten)

Hofstra, Tom. 1996. Factors affecting wetwood intensity of Fremont cottonwood (*Populus fremontii*) in Arizona. MS (Co-chair, J. Stutz).

Graduated

PhD: Karl Wyant (Dr. Sabo) 2014; Abeer Hamdan (Drs. Schmeeckle and Mint) 2014; Joe Michael Greet (Dr. Cousens and Dr. Webb, University of Melbourne) 2012; Kathryn Reardon-Smith (Dr. Le Brocque, University of Southern Queensland) 2011; Brigitte Hogan (Dr. Smith) 2010; Kris Gade (Dr. Kinzig) 2010; Elizabeth Hagen (Dr. Sabo) 2010; Klaudia Schachtschneider (University of Cape Town, South Africa) 2010; Kevin McCluney (Dr. Sabo) 2010; Ken Sweat (Dr. Nash) 2010; Brad Butterfield (Drs. Kinzig and Briggs) 2009; Anne Jensen (Dr. Paton, Dr. Walker; University of Adelaide) 2008; James Heffernan (Dr. Fisher) 2007; Candan Soykan (Dr. Sabo) 2007; Leo Lymburner (University of Melbourne) 2006; Arthur Stiles (Drs. Scheiner and Briggs) 2005; Kate Baird (Dr. Maddock, UA-Hydrology) 2005; John Schade (Dr. Fisher) 2000; Linda Elliott (Dr. Stutz) 1999; Molly Pohl (Dr. Graf- Geography) 1999; Ginger Hinchman Birkelan (Dr. Graf-Geography) 1999; Thad Wasklewicz (Dr. Graf- Geography) 1997; Diann Peart (Dr. Patten) 1995.

MS or MNS: Kent Mosher (Dr. Bateman, ASU-Polytechnic) Fall 2014; Steve Steve Amesbury (Dr. Yool, UA OALS) Spring 2014; Lea Wilson (Dr. Childers, SOS) Summer 2012; Patrick Dockens (Dr. Sabo) Spring 2012; Eric Moody (Dr. Sabo) Spring 2012; Melanie Banville (Dr. Bateman, ASU Polytechnic) Spring 2011; Shelly Adams (Dr. Hall), Spring 2011; Maya Kapoor (Dr. Kinzig) 2008; Jeffrey Johnson (Dr. Stutz) 2005; Hoski Schaafsma (Dr. Briggs) 2003; Jana Heisler (Dr. Briggs) 2003; Rebecca Beard (Dr. Dorn-Geography) 2003; Mark Meyer (Dr. Klopatek) 2002; Alejandro Castro (Drs. Scheiner and Klopatek) 2001; Brantlee Spakes (Dr. Stutz) 1999; Julie Wright (Dr. Springer- NAU Geology) 1997; Doug Corkran (Dr. Steiner) 1996; Barb Rogers (Dr. Patten) 1994; Lynn Wolden (Dr. Patten) 1993.

Undergraduate student mentoring

Linda Howard, 2016

Jean-Phillippe Solves, 2014-2016

Joseph Kelsey, 2015 (w/Dustin Wolkis)

Jenna Sanford, 2015 (w/Dustin Wolkis)

Isaac Berger, spring 2015 (w/Amanda Suchy)

Ruben Marchosky spring 2015 (w/Robert Madera)

Anni Poetzi; volunteer in lab, fall 2014

Cris Brackenridge; volunteer in lab and field, fall 2014 and spring 2015 (w/Dustin Wolkis)

Dylan George-Sills, volunteer in field, fall 2014

Michael McCartin, Member of Senior Thesis committee (Honor's College), 2013 and 2014
 Amy Eyden, fall 2012 and spring 2013, field work volunteer and undergraduate research
 Karina Ramirez, fall 2012 and spring 2013; field technician and independent study
 Elijah Allan, fall 2012/ spring 2013, Initiative for Maximizing Student Development (NIH/ASU)
 undergraduate trainee
 Tyna Yost, student worker fall 2012; independent study 2013
 Robert Madera, independent study, fall 2012; independent study 2013
 Dustin Pearce, independent study, fall 2012/spring 2013
 LeeVaughn Graves, research mentor, spring/summer 2012
 Carolyn Flower, research experience (Dickinson College, PA), summer 2012
 Nicole Wilson, student worker and independent study, spring 2012 and fall 2012
 Brenton Scott, student worker/independent study, fall 2011, spring 2012, fall 2012
 Dustin Wolkis, student worker/independent study, spring 2012
 John L. Johnson, lab volunteer, fall 2011
 Rebecca Depuydt, lab volunteer, fall 2011
 Stacie Beute, independent study, fall 2011 and spring 2012
 John Samsky III, lab volunteer, fall 2011; independent study spring and fall 2012
 Elizabeth Moore, Senior Honor's Thesis advisor, 2010
 Danika Setaro, School of Life Sciences Undergraduate Research (SOLUR) apprentice, fall 2009, spring 2010
 Jessica McDonald, independent study, spring 2010
 Kimberly Shaffer, student worker, 2010
 Philip Crim, lab volunteer, 2010
 Tristan Dunton, student worker, 2009-2011
 Michelle Perry, student worker, 2009-2010
 Joseph Monfeli, student worker, 2009
 Michael Beatty, supervised thesis for Bachelor of Interdisciplinary Studies, Business and Biology, spr ,2009.
 Jamie Alcumbrac, student worker, 2008-2009
 Sarah Hunkins, student worker, 2008
 Jason Zatkovich, independent study, fall 2008
 Darin Jehnke, student worker, 2007
 Amy Cotlow, student worker, 2007
 Andrea Hazelton, student worker, 2006-2007
 (Information not recorded prior to 2006).

VII. AWARDS

2009, One of 5 Southwest Books of the Year, Pima County Public Library (Ecology and Conservation of the San Pedro River; UA Press).
 2001, Outstanding Mentor, Arizona State University Graduate Women's Association
 2000, Certificate of Appreciation for Superior Service, U.S. Fish and Wildlife Service
 1994, Joseph Woods Krutch Award for Environmental Stewardship, Arizona Chapter of The Nature Conservancy