

## Bibliography of Research at the San Joaquin Marsh 2017

### Doctoral and Masters Dissertations

Anjileli, H. 2016. Investigating short-term response of soil moisture-temperature-CO<sub>2</sub> interactions to weather anomalies. Submitted in Partial Satisfaction of the Requirements for the Degree of Master in Civil Engineering. University of California, Irvine.

Franke, D.M. 2004. Resistance and phenologies in *Brassica rapa*: Multiple factors influence damage and its fitness impacts. Doctoral Dissertation submitted to the Department of Ecology and Evolutionary Biology, University of California, Irvine as partial fulfillment of the Ph.D.

Goldstein, L. 2010. The effect of more extreme precipitation regimes on competitive hierarchy and resistance to invasion. Doctoral Dissertation submitted to the Department of Ecology and Evolutionary Biology, University of California, Irvine as partial fulfillment of the Ph.D.

Lits, J. 2016. Compilation of Film Projects. Submitted in Partial Satisfaction of the Requirements for the Degree of Master in Biological Sciences and Education Media Design. University of California, Irvine.

### Project Videos

Gorilla Short: <https://www.youtube.com/watch?v=wboHHi0i0W8>

Tortoise Short: <https://www.youtube.com/watch?v=hs8szyWK7xo>

Tortoise Feature: <https://www.youtube.com/watch?v=tZW3Z0CjvXQ>

Tortoise PSA: <https://www.youtube.com/watch?v=sqKwnKWyPtg>

Making Of Project: <https://www.youtube.com/watch?v=ebwdGSNfQyI>

### Marsh Videos

Managing Wetlands for Teaching as well as Research in the UCNRS San Joaquin Marsh Reserve <https://www.youtube.com/watch?v=90PIIoV2oEs>

Invasive Clicker <https://www.youtube.com/watch?v=gloTh-MgGwY>

Bulrush Clicker [https://www.youtube.com/watch?v=fuk2jSM\\_OUM](https://www.youtube.com/watch?v=fuk2jSM_OUM)

Summary of the Eighth Annual Meeting of US : China EcoPartnerships on Wetland Research and EcoDevelopment

[https://www.youtube.com/watch?v=liB-U\\_G6gWY](https://www.youtube.com/watch?v=liB-U_G6gWY)

Magrann, T., S.G. Dunbar, M. Sutula, D. Boskovic, W. Hayes, and P. Buchheim. 2010. San Joaquin Marsh Ponds 4, 7, 8, 9, and 11. University of California, Irvine. Water Chemistry, phytoplankton diversity and community structure, and algal toxins. Marine Research Group of Loma Linda University. Magrann, T., S.G. Dunbar, M. Sutula, D. Boskovic, W. Hayes, and P. Buchheim. School of Science and Technology, Loma Linda University. Submitted by Tracey Magrann to Loma Lind University in partial fulfillment of the Ph.D.

Nerhus, B. 2016. The movements, habitat use, and population assessment of western pond turtles (*Actinemys marmorata*) in a southern California seasonal wetland. Submitted in Partial Satisfaction of the Requirements for the Degree of Master in Biological Sciences. California State University, Long Beach.

Ray, Alex. 2013. Compilation of Film Projects. Submitted in Partial Satisfaction of the Requirements for the Degree of Master in Biological Sciences and Education Media Design. University of California, Irvine.

**BioSci E179L Field Freshwater Ecology**

<https://www.youtube.com/watch?v=QTYMXueF7uM>

**UCI Ecological Preserve**

<https://www.youtube.com/watch?v=HL78LT-H78>

Rocha, A.V. 2008. The Importance of Intrinsic Controls in Driving Interannual Net Ecosystem Production Variability. Doctoral Dissertation submitted to Earth System Sciences, University of California, Irvine as partial fulfillment of the Ph.D.

Talluto, M. 2005. Historical change in California's shrublands: The effects of resources and fire on grassland encroachment. Masters Thesis submitted to the Department of Ecology and Evolutionary Biology, University of California, Irvine in partial fulfillment of the Masters Degree.

**Publications:**

Barreneche, R.A. 2005. FDA at Irvine. Edizioni Press. New York City, New York. (Book, 106 pages.)

Barnum, K, SJ Franks. 2013. Seed extracts impede germination in *Brassica rapa* plants. *International Journal of Plant Biology* 4:e2: 8-10.

Baythavong, B.S., M.L. Stanton, and K.J. Rice. 2009. Understanding the consequences of seed dispersal in a heterogeneous environment. *Ecology* 90(8): 2118-2128.

Bowler, P.A. 2008. Artichoke as an Ecological Resource and Its Utility as a Precursor to Restoration (California). *Ecological Restoration* 26(1): 7 – 8.

P.A. Bowler. 2016. The University of California Natural Reserve System's History and the UCNRS San Joaquin Marsh Story. 3<sup>rd</sup> International Symposium of the Benthological Society of Asia. Vladivostok, Russian Federation. August 24 – 27, 2016. Abstract Book page 41. <http://www.biosoil.ru/BSA2016/>

P.A. Bowler. 2016. Applied Ecology in Restoration and Mitigation Sites In Southern California. Youth Freshwater Ecology School. Work Practicum and Marine Biomonitoring. Biostation "Vostok" (A.V. Zhirmunsky Institute of Marine Biology), near Nakhodka City, Russian Federation. August 27 –31, 2016. Abstract Book page 138. <http://www.biosoil.ru/BSA2016/>

Bowler, P.A., C. Gunawan, R. Mayer, C. Chantaduly, K. Wong, A. B.A. Brutto, C.A. Drake, O. Goldsworthy, V.-T. Medrano, A.S. Najafi, N. Hoang, L.J. Kim, S. Lasky, B. Manspeaker, W. Mauro, A.S. Najafi, T. Nguyen, V.N. Pandya, B. Pham, N. Soma, C.B. Sun, C.S.P. Taha, K. Teague, H. Truong, K.H. Vu, J. Wang, and M. Ward. 2014. Diocey in Riparian Enviornments and the Implications for Restoration: The Sex Ratios of Black Willow (*Salix gooddingii*), Aroyo Willow (*Salix lasiolepsis*), and Mulefat (*Baccharis salicifolia*) and in the University of California Natural Reserve System's San Joaquin Marsh Reserve. 2017. *Ecological Restoration* (Accepted; undergoing revision following peer review).

Bowler, P.A., J. Liou and J. Moon. 2017. Caloric Values of Selected Wetland and Coastal Sage Scrub Vascular Plant Seeds. *Ecological Restoration* (submitted; undergoing peer review).

Cummings, R.F., G. Williams, E. Weis, M. Rbinson, A. Mills, R. Havickhorst, T. Su, R. Meyer, and J.P. Webb. 2005. Population dynamics of *Culex* Mosquitoes and Adulticiding spray efficacy at three ecological reserves in Orange County during 2002-2003. *Proceedings and Papers of the Seventy-Third Annual Conference*. January/February 108-111.

Czimczik, C.I., K.K. Treseder, M.S. Carbone, and S.E. Trumbore. 2005. Radiocarbon – a low-impact tool to study nutrient transport by soil fungi under field conditions. *New Phytologist* 166: 595-600.

Fahimipour, A.K. and K.E. Anderson. 2015. Colonisation rate and adaptive foraging control the emergence of trophic cascades. *Ecology Letters* 8 pages. doi: 10.1111/ele.12464

Fiedler, P., S.G. Rumsey and K. M. Wong (eds.). 2012. Greater than the Sum: The Environmental Legacy of the UC Natural Reserve System. P.A. Bowler contributed significantly to the sections on the San Joaquin Marsh Reserve (pages 201 – 206), Burns Pinyon Ridge Reserve (pages 167 – 170), Oasis de los Osos Reserve (page 189), and the Steele Burnand Anza-Borrego Desert Research Center (pages 213 – 217) .

Franke, D.M., A.G. Ellis, M. Dharjwa, M. Freshwater, M. Fujikawa, A. Padron, and A.E. Weis. 2006. A steep cline in flowering time for *Brassica rapa* in southern California: population-level variation in the field and the greenhouse. *Int. J. Plant. Sci.* 167: 83-92.

Franks, S.J., S. Sim and A.E. Weis. 2007. Rapid evolution of flowering time by an annual plant in response to a climate fluctuation. *Proceedings of the National Academy of Sciences of the United States of America* 104(4): 1278-1282.

Franks, SJ. 2011. Plasticity and evolution in drought avoidance and escape in the annual plant *Brassica rapa*. *New Phytologist* 190: 249-257.

Franks, SJ and AE Weis. 2009. Climate change alters reproductive isolation and potential gene flow in an annual plant. *Evolutionary Applications* 2: 481-488.

Franks, SJ, NC Kane, NB O’Hara, S Tittes, JS Rest. Resurrection genomics reveals rapid genetic changes in natural populations following drought.

Molecular Ecology. Under peer review

Franks, SJ and AE Weis. 2008. A change in climate causes rapid evolution of multiple life-history traits and their interactions in an annual plant. *Journal of Evolutionary Biology* 21: 1321-1334.

Franks, SJ, B Perez-Sweeney, M Strahl, A Nowogrodzki, JJ Weber, R Lalchan, K Jordan, A Litt. Variation in the flowering time orthologs BrFLC and BrSOC1 in a natural population of *Brassica rapa*. PeerJ. In press.

Goulden, M.L., M. Litvak, and S.D. Miller. 2007. Factors that control *Typha* marsh evapotranspiration. *Aquatic Botany* 86: 97-106.

Gunawan, C. and P.A. Bowler. 2017. A Comparative Study of Water Relations, Root Morphology, and Percent Colonization by Arbuscular Mycorrhizal Fungi between Container and Wild *Artemisia californica* and *Eriogonum fasciculatum*. *Ecological Restoration* (accepted, following peer review).

Hsieh, J. 2010. San Joaquin Marsh Reserve. A handmade book created as a class project for Advanced Graphic Studio 1, Art Center College of Design in Pasadena.

Kaiser, F.G. and M. Wilson. 2000. Assessing people's general ecological behavior: a cross-cultural measure. *Journal of Applied Social Psychology* 30 (5): 952-978.

Magrann, T., D.A. Meredith and M. Sutula. 2015. Screening assessment of cyanobacteria and cyanotoxins in southern California lentic habitats. *Environmental Management and Sustainable Development* 4(2): 21 pages. Doi: 10.5296/xxx.vxix.xxx URL: <http://dx.doi.org/10.5296/xxx.vxix.xxx>

O'Hara, NB, JS Rest and SJ Franks. Increased susceptibility to fungal disease accompanies adaptation to drought in *Brassica rapa*. *Evolution*. In press

O'Hara, NB, JS Rest and SJ Franks. Factors affecting the disease severity of *Alternaria blackspot* in natural *Brassica rapa* populations on the California and Oregon coasts. Madroño. In press

Talluto, M.V., K. N. Suding, and P.A. Bowler. 2005. Factors affecting understory establishment in coastal sage scrub restoration. *Madrono* 53(1): 55-59.

Rocha, A.V. and M.L. Goulden. 2008. Large interannual CO<sub>2</sub> and energy exchange variability in a freshwater marsh under consistent environmental conditions. *Journal of Geophysical Research* 113: G04019 (12 pages).

Rocha, A.V. and M.L. Goulden. 2009. Why is marsh productivity so high? New insights from eddy covariance and biomass measurements in a *Typha* marsh. *Agricultural and Forest Meteorology* 19: 159 – 168.

Rocha, A.V., D.L. Potts, and M.L. Goulden. 2008. Standing litter as a driver of interannual CO<sub>2</sub> exchange variability in a freshwater marsh. *Journal of Geophysical Research* 113: G04020 (10 pages).

Rocha, A.V. and M.L. Goulden. 2010. Drought legacies influence long-term carbon balance of a freshwater marsh. *Journal of Geophysical Research* 115: G00H02 (9 pages)

Smith-Downey, N.V., J.T. Randerson, and J.M. Eiler. Molecular hydrogen uptake by soils in forest, desert, and marsh ecosystems in California. 2008. *Journal of Geophysical Research* 11: G0307 (11 pages).

Welt, RS, A Litt, SJ Franks. 2015. Analysis of population genetic structure and gene flow in *Brassica rapa* following a rapid evolutionary response to drought. *AoB Botany*.

Weis, AE, SM Wadgyamar, MR Sekor and SJ Franks. 2014. The shape of selection:  
Using alternative fitness functions to explore patterns of selection on flowering time. *Evolutionary Ecology* 28: 885-904.

Weis, A.E. and T.M. Kossler. 2004. Genetic variation in flowering time induces phenological assortative mating: quantitative genetic methods applied to *Brassica rapa*. *American Journal of Botany* 91(6): 825-836.

### **Selected Undergraduate Posters:**

Nerhus, B.S, Jr., L.C. Jackson, P.A. Bowler, and W.L. Bretz. 2006. Studies of the Southwestern Pond Turtle (*Clemmys marmorata pallida*) in the UC Natural Reserve System San Joaquin Marsh Reserve.

Hook, E.H., A.J. Lai, B.S. Nerhus, P.A. Bowler and W.L. Bretz. 2006. Characterization of the Estuarine Zone Extending from Upper Newport Back Bay into San Diego Creek.

Kim, L.J., Catherine A. Drake, Owen P. Goldsworthy and Paula C. Nuguid. 2010. Toxicological responses to *Bacillus thuringiensis israelensis*: Mortality Comparisons of Two Vernal Pool Inhabitants. Presented at the 2010 Annual Undergraduate Research Opportunities Program Symposium. Also submitted to the UROP Journal.

Ward, M. and P.A. Bowler. 2014. Oxygen Transportation through the Lacunae System of Emergent Marsh Plants. Poster presented at the Headwaters to Ocean 2013 Conference. Southern California Coastal Water Research Project and the Southern California Wetlands Recovery Project.

#### **Selected Graduate Student Presentations:**

Goldstein L.J., and K.N. Suding. 2006. Niche differences and competition promote invasion into coastal sage scrub communities. Poster presentation at an Ecological Society of America Conference.

Goldstein L.J. and K.N. Suding. 2007. Resource impacts enable invasion resistance by a native shrub community. Ecological Society of America Conference.

Goldstein, L.J., M. Talluto, E. Hernandez, and K.N. Suding K.N. 2008. The role of rainfall pulses, resource availability, and fire in the conversion of coastal sage scrub to annual grassland communities. Southern California Academy of Sciences Symposium.

#### **Selected Posted Presentations:**

Bowler, P.A. and W.L. Bretz. 2013. Restoration at the University of California Natural Reserve System's San Joaquin Marsh Reserve. Headwaters to Ocean 2013 Conference. Southern California Coastal Water Research Project and the Southern California Wetlands Recovery Project.

Presentation posted at

<http://www.coastalconference.org/h20/pdf/2013/Session%20A%20-%20Wetland%20Restoration/Bowler%20-%20The%20History%20and%20Future%20Plans%20of%20Restoration%20at%20the%20University%20of%20California%20Natural%20Rese.pdf>

Bowler, P.A. and J. Lits. 2014. Managing Wetlands for Teaching as well as Research in the University of California Natural Reserve System's SanJoaquin Marsh. Headwaters to Ocean 2014 Conference. Presentation posted at

<http://www.coastalconference.org/h20/pdf/2014/2C%20Peter%20A.%20Bowler%20-%20Justin%20Lits-Managing%20Wetlands%20for%20Teaching.pdf>

### **University of California, Irvine Documents**

Office of Campus and Environmental Planning. 2007. Long Range Development Plan. A Framework to Guide Physical Development at the University of California, Irvine, Through 2025-2026.

<http://www.ceplanning.uci.edu/PhysicalPlanning/2007LongRangeDevelopmentPlan.html>

Interview with Bill Bretz in Zotzine, Spring, 2010:

[http://www.zotzine.uci.edu/2010\\_02/?utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=zotzine\\_2010\\_02](http://www.zotzine.uci.edu/2010_02/?utm_source=newsletter&utm_medium=email&utm_campaign=zotzine_2010_02)

UCI Webpage Gallery featuring Marsh Photographs and Field Freshwater Ecology Students at <http://www.uci.edu/galleries/campusGallery6/>

Although not a formal UCI site, the Natural History of Orange County website has several photographs of invertebrates from the Marsh (water boatman and *Brachinecta lindahli*) at

<http://mamba.bio.uci.edu/~pjbryant/biodiv/crustacea/Branchiopoda/Branchinecta%20lindahli.htm>

February 4, 2015 Ayala School of Biological Sciences February eNewsletter [http://www.bio.uci.edu/2015/01/new-research-opportunities-san-joaquin-marsh-reserve/?utm\\_source=Bio+Sci+E-newsletter&utm\\_campaign=04a604bca0-](http://www.bio.uci.edu/2015/01/new-research-opportunities-san-joaquin-marsh-reserve/?utm_source=Bio+Sci+E-newsletter&utm_campaign=04a604bca0-)



[February 2015 eNewsletter2 3 2015&utm\\_medium=email&utm\\_term=0\\_ad93f98b9d-04a604bca0-69774309](http://www.sanjoaquin.edu/conservation/eNewsletter2_3_2015&utm_medium=email&utm_term=0_ad93f98b9d-04a604bca0-69774309) New Research opportunities at San Joaquin Marsh Reserve

Interview about should the dam at Hetch Hetchy be removed or not (high school debate)

<http://www.youtube.com/watch?v=jgh1UX7qJ0o&list=PLGP6o501z0QoR2aBYHffFfhLYJ9eLHCJt>

Second interview – Return of the Firewolves

<https://www.youtube.com/watch?v=jgh1UX7qJ0o>

Revenge of the Firewolves! (Third Interview)

<https://www.youtube.com/watch?v=SMSP-11hnI8>

Eco Preserve youtube for FIP

<https://www.youtube.com/watch?v=HL78LT-H78>

Invited talk: January 19, 2012 CNPS OC Chapter

<http://www.ocnps.org/your-chapter/chapter-meetings/165-chapter-meeting-january-2012.html>

Summer session programs

<https://www.youtube.com/watch?v=DUD6ZE6twQc>

NSF-funded Partnership for International Research and Education (PIRE)

<https://www.youtube.com/watch?v=DUD6ZE6twQc>

<http://sites.uci.edu/edibleeducation/> *Edible Education at UCI: A Dialogue about Food Studies, Research, and Practice* May 3, 2014

OR flicker page: <https://www.flickr.com/photos/126293865@N04/>

### **Natural Reserve System Publications**

There are 25 Transect articles about the Marsh Reserve since 1982.

This is an example, and all may be downloaded as pdf files at

<http://nrs.ucop.edu/Transect-San-Joaquin.htm>

Booth, Jerry. 2007. Beleaguered marsh on life-support still persists as a highly productive natural resource. *Transect 25* (1): 9 – 12.

Natural Reserve System. April, 2006. University of California Natural Reserve System: K – 12 Environmental Education in the Natural Reserve System. 30 pp. [http://nrs.ucop.edu/program\\_reports/index.htm](http://nrs.ucop.edu/program_reports/index.htm)

Natural Reserve System. August, 2006. University of California Natural Reserve System: UC Courses Hosted by UC Natural Reserves. 43 pp. [http://nrs.ucop.edu/program\\_reports/index.htm](http://nrs.ucop.edu/program_reports/index.htm)

Natural Reserve System. April, 2008. University of California Natural Reserve System: Special Research Projects. National Center and Other Landscape-scale Projects that Utilize NRS Reserves. 19 pp. [http://nrs.ucop.edu/program\\_reports/index.htm](http://nrs.ucop.edu/program_reports/index.htm)

### **Technical Reports:**

Byron, E. and G. Santolo (CH2MHill). August 12, 2010. Draft Technical Memorandum. Selenium Monitoring Results: Fish and Bird Egg Tissue Chemistry, Newport Bay Watershed. Draft Technical Memorandum. Prepared for Amanda Carr and Jian Peng, Orange County.

Goodman, R.H., Jr. 2008. Preliminary Report on the Status of the San Joaquin Marsh Southwestern Pond Turtle (*Actinemys marmorata pallida*) Population. Unpublished report prepared for the California Department of Fish and Game.

Goodman, R.H., Jr. 2008. Report on the 1<sup>st</sup> Trapping Season and Status of the San Joaquin Marsh Southwestern Pond Turtle (*Actinemys marmorata pallida*) Population. Unpublished report prepared for the California Department of Fish and Game.

Goodman, R.H., Jr. 2008. Report on the 2<sup>st</sup> Trapping Season and Status of the San Joaquin Marsh Southwestern Pond Turtle (*Actinemys marmorata pallida*) Population. Unpublished report prepared for the California Department of Fish and Game.

Harmsworth Associates. May 2010. Post-construction Report for the Vestar Development Company Portion of the San Joaquin Marsh Phase II Restoration Project. U.S. Army Corps of Engineers Permit Number SPL-2008-00221-CLM, California Department of Fish and Game Streambed Alteration Agreement No. 1600-2004-0375-R5, California Regional water Quality Control Board 401 Certification Reference 9800623, California Coastal Commission Coastal Development Permit 5-04-356. Prepared for Vestar Development Company.

Harmsworth Associates. January 2009. 2008 Report on Avian Surveys at the UC Natural Reserve System's San Joaquin Freshwater Reserve. Prepared for Dr. Peter Bowler and the UC Natural Reserve System.

Kamada, D. February 2008. Final Report: Cactus Wren (*Campylorhynchus brunneicapillus*) 2007 Telemetry Study and the 2007 Monitoring Results of the 2006 Cactus Wren Translocation Study in Orange County, California. Prepared for the California Department of Fish and Game and the Nature Reserve of Orange County.

Nerhus, B., Endemic Environmental Services. Fall 2009. San Joaquin Marsh Wetland Enhancement Project Turtle Monitoring Report. Prepared for Vestar.

Rocha, A. September 20, 2005. Final Report: Understanding Annual Variability in Carbon Exchange in a Freshwater Marsh. Mildred Mathias Final Report, prepared for the University of California Natural Reserve System.

Sea and Sage Audubon Society. January 3, 2010. Sea and Sage Audubon Christmas Bird Count. Area 13 of the Coastal CBC – at the UCI Marsh “San Joaquin Marsh.” All Sea and Sage Audubon Society Christmas Bird Counts are electronically available at the Sea and Sage Audubon Society's “Tattler” back issues at <http://www.seaandsageaudubon.org/Tattler/tattler.htm>

USGS, Western Ecological Research Center. Quarterly Report September 2006. San Joaquin Hills Bobcat Study, Orange County, California: Data summary. Prepared for The Nature Conservancy (NROC). 18 pages.

USGS, Western Ecological Research Center. Final Report. May 25, 2007. San Joaquin Hills Bobcat Study, Orange County, California: Data summary. Prepared for The Nature Conservancy (NROC). 18 pages.

**UCI Arboretum Quarterly and Volunteer Times articles may be downloaded at <http://arboretum.bio.uci.edu/>:**

Bowler, P.A. Fall 2002. Coastal Sage Scrub Restoration in the San Joaquin Marsh. *Arboretum Quarterly*, pages 1-3.

Bowler, P.A. Spring-Summer 2007. How are wetland plants like cattails and bulrushes able to live in water with anoxic sediments, yet still keep their roots oxygenated? *Arboretum Quarterly*, pages 2-3.

Bowler, P.A. Winter-Spring 2009. What's Happening at the Marsh? Spring into Summer in the Wetlands. *Arboretum Quarterly*, 1, 7 – 9. Posted at <http://arboretum.bio.uci.edu/Docs/ArboretumQuarterlyWinterSpring2009.pdf>.

Bowler, P.A. Fall 2009. Highlights of the Past Year's Accomplishments at the UCI Arboretum. *Arboretum Quarterly*, pages 4-5. Posted at <http://arboretum.bio.uci.edu/Docs/Arboretum%20Quarterly%20Fall%202009.pdf>.

Bowler, P.A. Winter-Spring 2010. The Middle Marsh Restoration Project at the University of California Natural Reserve System's San Joaquin Freshwater Marsh Reserve. *Arboretum Quarterly*, pages 1, 8. Posted at [http://arboretum.bio.uci.edu/Docs/Arboretum\\_Quarterly-Winter-Spring%202010.pdf](http://arboretum.bio.uci.edu/Docs/Arboretum_Quarterly-Winter-Spring%202010.pdf).

Bowler, P.A. Winter-Spring 2010. The UC Natural Reserve System's San Joaquin Freshwater Marsh Reserve as an Edible Landscape. *Arboretum Quarterly*, pages 4, 5. Posted at [http://arboretum.bio.uci.edu/Docs/Arboretum\\_Quarterly-Winter-Spring%202010.pdf](http://arboretum.bio.uci.edu/Docs/Arboretum_Quarterly-Winter-Spring%202010.pdf).

Bowler, P.A., L.J. Kim, C.A. Drake, O. Goldsworthy, V.-T. Y. Medrano, A.S. Najafi, V.N. Pandya, B. Pham, C.B. Sun, C.S.P. Taha, H. Truong, and K.H. Vu. Winter-Spring 2010. The Sex Ratios of Black Willow (*Salix*

*gooddingii*) and Mulefat (*Baccharis salicifolia*) in the University of California Natural Reserve System's San Joaquin Freshwater Marsh Reserve and the Implications for Restoration. *Arboretum Quarterly*, pages 6, 7. Posted at [http://arboretum.bio.uci.edu/Docs/Arboretum\\_Quarterly-Winter-Spring%202010.pdf](http://arboretum.bio.uci.edu/Docs/Arboretum_Quarterly-Winter-Spring%202010.pdf).

Bowler, P.A. Summer 2010. Why Use California Native Plants in Our Landscapes? *Arboretum Quarterly*, pages 1, 6. Posted at [http://arboretum.bio.uci.edu/Docs/Arb\\_Quarterly\\_Summer\\_2010\\_PDFQv1.pdf](http://arboretum.bio.uci.edu/Docs/Arb_Quarterly_Summer_2010_PDFQv1.pdf).

Bowler, P.A. June 2010. San Joaquin Freshwater Marsh Update. UCI Arboretum Volunteer Times. Pages 1 – 3. Posted at [http://arboretum.bio.uci.edu/Docs/Arboretum\\_%20Quarterly\\_Fall\\_2010.pdf](http://arboretum.bio.uci.edu/Docs/Arboretum_%20Quarterly_Fall_2010.pdf)

Bowler, P.A. Fall 2010 Issue. Conservation, Restoration, and Research at the UCI Ecological Preserve. UCI Arboretum Volunteer Times. Pages 1 and 6. Posted at [http://arboretum.bio.uci.edu/Docs/Arboretum\\_%20Quarterly\\_Fall\\_2010.pdf](http://arboretum.bio.uci.edu/Docs/Arboretum_%20Quarterly_Fall_2010.pdf)

Bowler, P.A. June 2010. San Joaquin Freshwater Marsh Update. UCI Arboretum Volunteer Times. Pages 1 – 3. Posted at [http://arboretum.bio.uci.edu/Docs/Arboretum\\_%20Quarterly\\_Fall\\_2010.pdf](http://arboretum.bio.uci.edu/Docs/Arboretum_%20Quarterly_Fall_2010.pdf)

Bowler, P.A. Winter 2011. Book Review: Wild and Beautiful. *Arboretum Quarterly*, pages 2 – 3. Posted at [http://arboretum.bio.uci.edu/Docs/Arboretum\\_Quarterly\\_Winter\\_2011\\_PDF\\_Q.pdf](http://arboretum.bio.uci.edu/Docs/Arboretum_Quarterly_Winter_2011_PDF_Q.pdf)

Bowler, P.A. Spring 2011. Spring is for the birds – especially Endangered ones at the UCNRS San Joaquin Marsh Reserve. *Arboretum Quarterly*, pages 1 and 4. Posted at [http://arboretum.bio.uci.edu/Docs/Spring%202011%20PDFQ%201\\_20140910012904\\_788296.pdf](http://arboretum.bio.uci.edu/Docs/Spring%202011%20PDFQ%201_20140910012904_788296.pdf)

Bowler, P.A. Spring 2011. The UCI Arboretum and UC NRS Marsh Reserve Work Together in Providing UCI Undergraduates with Field Experiences. *Arboretum Quarterly*, pages 5 – 6. Posted at [http://arboretum.bio.uci.edu/Docs/Spring%202011%20PDFQ%201\\_20140910012904\\_788296.pdf](http://arboretum.bio.uci.edu/Docs/Spring%202011%20PDFQ%201_20140910012904_788296.pdf)

Bowler, P.A. Winter/Spring 2012. The Mists of the Marsh. *Arboretum Quarterly* 21(1), pages 1 and 6. Posted at <http://arboretum.bio.uci.edu/Docs/Winter-Spring%202012%20PDFQ.pdf> .

Bowler, P.A. 2013. A Tale of Two Purslanes. *Arboretum Perennial* Volume 21, No. 2. Pages 1 – 8. Posted at <http://arboretum.bio.uci.edu/Docs/Arboretum%20Perennial%20V21%20no2%20color.pdf>

Bowler, P.A. 2013. Weeding in a Winter Wonderland. *Arboretum Perennial* Volume 21, No. 2. Pages 6 – 7. Posted at <http://arboretum.bio.uci.edu/Docs/Arboretum%20Perennial%20V21%20no2%20color.pdf>

**Academic website pages** (other courses such as Field Freshwater Ecology, Bio. E179L [UCI] have extensive Marsh Reserve segments, but are available only to UCI students or students in the class). Sites open to the general public include:

Robert H. Goodman, Jr. Natural History Class webpage  
<http://www.naturalhistoryclass.org/> Pond Turtle pictures from the Marsh

Goulden Group Marsh Study Home Page  
<http://www.ess.uci.edu/~marsh/>

**Miscellaneous news reports:**

“Sea Lion rescued from San Diego Creek Channel adjacent to Irvine Civic Center” (having traveled through the Reserve’s section of San Diego Creek) at <http://www.ci.irvine.ca.us/news/displaynews.asp?NewsID=591&TargetID=1>