

# Karrigan S. Börk

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## EDUCATION

STANFORD LAW SCHOOL, JD, 2009

- *Distinction, Pro Bono Distinction*
- *Co-Founder/Managing Editor, Stanford Journal of Law, Science and Policy, 2007 - 2009*
- *Co-President, Stanford Older and/or Wiser Law Students (OWLS), 2007 - 2009*
- *Co-Chair, Joint Degree Students Association, 2007 - 2009*
- *Instructor, Stanford Streetlaw, 2007*

UC DAVIS, PhD in Ecology, 2011

- *Outstanding PhD Graduate in Ecology (Shapiro Family Award) - awarded to top graduate*
- *Member, UC Davis Ecology Awards Committee, 2009 - 2011*
- *Member, UC Davis Ecology Admissions Committee, 2009 - 2010*
- *Co-chair, UC Davis Society for Conservation Biology, Policy Committee, 2010 - 2011*
- *James P. Michelleti Research Fellowship, 2010, awarded to 1 - 2 ecology students per year*
- *UC Davis Programmatic Initiatives Grant, 2010, co-principal writer*
- *UC Davis Graduate Scholar Fellowship, 2005, awarded to 12 UC Davis graduate students per year (\$25,500 stipend plus tuition reimbursement for one year)*
- *Dissertation: "Restoration and the Law: Rewatering Rivers, Running a Hatchery and Reintroducing Protected Species"*

THE UNIVERSITY OF KANSAS, 2002

Bachelor of Science in Biodiversity, Ecology, and Evolutionary Biology

- *Distinction, Departmental Honors, Chemistry Minor*
- *Chancellor's Student Award, 2002, 1 of 9 awards recognizing outstanding KU graduates*
- *Outstanding Senior in Biology, 2002, awarded to the top KU graduate in Biology*
- *Outstanding Junior in Biology, 2001, awarded to the top KU junior in Biology*

Bachelor of Arts in Environmental Policy

- *Distinction, College Honors*
- *Study Abroad in Golfoito, Costa Rica, 2000*
- *Phi Beta Kappa, 2000*

## TEACHING INTERESTS

Primary Interests: Property, Torts, Environmental Law, Administrative Law, Civil Procedure.

Secondary Interests: Water Law, Natural Resources Law, Bankruptcy, Evidence.

My PhD qualifies me to teach science seminars for law students (e.g. Law and Ecology, Law and Genetics, Law and Science). I have more than 1,500 hours of teaching and tutoring experience, with strong student evaluations, and I enjoy interacting with students.

**LEGAL PUBLICATIONS AND WORKS IN PROGRESS**

*Cases and Places: A Field-based Approach to Teaching Natural Resource and Environmental Law*, forthcoming in *J. of Legal Ed.* (with Kurtis Burmeister).

*An Evolutionary Theory of Administrative Law*, 72 *SMU L. REV.* 81 (2019).

*Guest Species: Rethinking Our Approach to Biodiversity in the Anthropocene*, 2018 *UTAH L. REV.* 169 (2018).

*Community-based Biomonitoring: An Antidote to Insufficient Governmental Water Quality Monitoring and Enforcement*, in *FROM EXTRACTION TO EMANCIPATION: DEVELOPMENT REIMAGINED* (Raquel Aldana & Steven Bender, ed.) (American Bar Association 2018).

*Through the Looking Glass: Using Trade Agreements to Enforce Environmental Law*, 32 *NAT. RESOURCES & ENV'T* 36 (2017) (with Rachael E. Salcido).

*Ditching Our Innocence: The Clean Water Act in the Age of the Anthropocene*, 46 *ENVTL. L.* 415 (2016) (with Rachael E. Salcido).

*The Rebirth of Cal. Fish & Game Code 5937: Water for Fish*, 45 *U.C. DAVIS L. REV.* 809 (2012) (with Joe Krovoza, Jacob Katz & Peter Moyle).

*"The Wilderness and the Dry Land Will Be Glad; and the Desert Will Rejoice and Blossom Like a Rose," Origins of the Bureau of Reclamation*, 50 *J. OF THE WEST* 60 (2012).

Note, *Listed Species Reintroductions on Private Land - Limiting Landowner Liability under the Endangered Species Act*, 30 *STAN. ENVTL. L. J.* 177 (2011).

**ADDITIONAL PUBLICATIONS**

Katharine Tomalty, Molly Stephens, Melinda Baerwald, Karrigan Börk, Mariah Meek & Bernie May. *Examining the causes and consequences of hybridization during Chinook salmon reintroductions: using the San Joaquin River as a restoration case study of management options*. 12 *SAN FRANCISCO ESTUARY AND WATERSHED SCI.* 2 (2014).

Karrigan Börk & Paul D. Adelizi, *HATCHERY GENETIC MANAGEMENT PLAN: SAN JOAQUIN RIVER SALMON CONSERVATION & RESEARCH FACILITY*, Cal. Dept. of Fish & Game (2010).

Karrigan Börk, Andrea Drauch, Josh Israel, Bernie May, John Pedroia & Jeff Rodzen, *Development of new microsatellite DNA primers for green and white sturgeon*, 9 *CONS. GEN.* 973 (2008).

Karrigan Börk, *Lunar phobia in the greater fishing bat, Noctilio leporinus* (Chiroptera: Noctilionidae), 54 *J. OF TROP. BIOL.* 1117 (2006)

David Stockwell, Stephen Shaner, D. Jean Tate, Karrigan Börk & Sean Dougherty,  
*Integrating Transportation Network Data into Predictive Models for Invasive Species*,  
TRANSP. RES. BOARD 85TH ANN. MTG. COMP. OF PAPERS (2006).

Karrigan Börk, *National Ag Center Aids Compliance: EPA Center Demystifies  
Environmental Issues*, 193 AGRICHEMICAL & ENVTL. NEWS 1 (2002).

Karrigan Börk, FLOODPLAIN AND INSTREAM MINING, Trout Unlimited (1999).

### CLERKSHIPS

U.S. BANKRUPTCY COURT FOR THE DISTRICT OF KANSAS Topeka, KS  
*Law Clerk to the Hon. Judge Janice Karlin* Aug. 2013 - Aug. 2015  
Oversaw half of the bankruptcy docket. Researched and drafted memoranda, opinions  
and orders for the Judge.

U.S. DISTRICT COURT FOR THE DISTRICT OF KANSAS Topeka, KS  
*Law Clerk to the Hon. Judge Julie Robinson* Aug. 2012 - Aug. 2013  
Oversaw half of the criminal docket. Researched and drafted memoranda, opinions and  
orders for the Judge for criminal and civil matters.

U.S. COURT OF APPEALS FOR THE TENTH CIRCUIT Lawrence, KS  
*Law Clerk to the Hon. Chief Judge Mary Beck Briscoe* Sept. 2011 - Aug. 2012  
Researched and drafted memoranda, opinions and orders for the Chief Judge.

### ACADEMIC/TEACHING EXPERIENCE

THE UNIVERSITY OF CALIFORNIA, DAVIS Davis, CA  
*Acting Professor of Law, King Hall* July 2019 - Pres.  
*Research Associate, Center for Watershed Sciences* Jan. 2018 - Pres.  
*Lecturer, Water Law, Dept. of Land, Air, and Water Resources* Jan. 2018 - Mar. 2018  
Collaborate with other researchers at the Center for Watershed Sciences to develop  
innovative approaches to natural resource problems. Develop a portfolio of natural  
resources research. Developed and taught water law course to Hydrology, Ecology, and  
other undergraduate and graduate students.

THE UNIVERSITY OF THE PACIFIC Sacramento/Stockton, CA  
*Visiting Asst. Prof., McGeorge Law School & Dept. of Geol. & Env'tl. Sci.* Aug. 2015 - July 2019  
Jointly appointed at the law school and the Dept. of Geological and Environmental  
Studies. Codirector of Environmental Studies. Develop and teach Administrative Law,  
Environmental Law, Foundations of Water Law, California Environmental Cases and  
Places, and other courses as assigned at the law school, and Environmental Law,  
Environmental Science, and Environmental Studies courses for undergraduates.  
Increased applications to the Environmental Studies program more than five-fold.

THE UNIVERSITY OF KANSAS  
*Lecturer in Environmental Law, Environmental Studies Dept.* Lawrence, KS  
June 2014 - Dec. 2014  
Designed and taught Environmental Studies 332: Environmental Law. Developed syllabus, selected readings, presented lectures, and evaluated students.

TESTMASTERS  
*LSAT Course Instructor* Various Locations  
Sept. 2004 - Oct. 2011  
Taught basic logic/reading comprehension to classes of 25 to 75 students. Over 800 hours of teaching and tutoring.

THE UNIVERSITY OF CALIFORNIA, DAVIS  
*Postdoctoral Scholar, Animal Science Dept., Genomic Variation Lab* Davis, Ca  
Summer 2011  
Conducted research on reintroduction of fall-run Chinook salmon and threatened spring-run Chinook salmon to the rewatered San Joaquin River in California. Worked with state and federal agencies to secure permits for reintroduction.

THE UNIVERSITY OF CALIFORNIA, DAVIS  
*Environmental Law Teaching Assistant, Env'tl. Science & Policy Dept.* Davis, CA  
Spring 2010 & 2011  
Lectured on environmental law for 85 students. Graded midterms, finals, and papers.

**OTHER PROFESSIONAL EXPERIENCE**

LEGAL CONSULTANT  
Consultant to Lawyers for Clean Water  
Consultant to California Water Audit  
Assist with strategy and drafting of expert reports and briefs in minimum stream flow litigation for the preservation of threatened southern California steelhead. Davis, CA  
July 2016 - Pres.  
Dec. 2016 - Pres.

ENVIRONMENTAL LAW CLINIC, STANFORD LAW SCHOOL  
*Certified Law Student* Stanford, CA  
Aug. 2007 - June 2009  
Briefed and argued *Pac. Rivers Council v. Cal. Dep't of Fish & Game, Case No. 06CS01451* (Sacramento Superior Court, 10/08), successfully challenging California's failure to prepare environmental impact report for trout stocking activities. Researched and wrote briefs in NEPA and ESA cases. Prepared state ESA listing petition.

DAVIS POLK & WARDWELL  
*Summer Associate, Corporate/Litigation* Menlo Park, CA  
Summer 2007, 2008 (partial), 2009  
Strategized with clients and drafted closing documents on Las Vegas casino/hotel acquisition. Drafted memoranda. Analyzed intellectual property litigation ramifications in \$3 billion takeover.

WEIL, GOTSHAL & MANGES LLP  
*Summer Associate, IP Litigation* Redwood Shores, CA  
Summer 2008 (Partial)  
Attended depositions, drafted memoranda, developed causes of action.

OFFICE OF THE SECRETARY, U.S. DEPT. OF TRANSPORTATION  
*Acting Special Assistant to the Assistant Secretary*  
*Policy Analyst*

Washington, DC  
Mar. 2005 – Aug. 2005  
Aug. 2002 – Mar. 2005

Assisted in drafting and implementation of DOT policies for transportation, environmental, and energy issues, including budget development. Chaired DOT's Climate Change Center Core Team and represented DOT at interagency meetings. Oversaw more than \$3,000,000 in research annually.

U.S. ENVIRONMENTAL PROTECTION AGENCY

Kansas City, KS

*Environmental Careers Organization Associate, National Ag. Center*

Nov. 2001 – July 2002

Developed materials concerning compliance with EPA's agriculture regulations. Partnered with federal and state agencies to encourage compliance.

Additional professional experience includes consultation on environmental, water law, and other cases and employment with the Washington, D.C. office of Trout Unlimited.

### **SELECTED PANELS/PRESENTATIONS**

Organizer, Natural Resources Law Teachers Institute, Rocky Mountain Mineral Law Foundation, May 2019

Presenter, Natural Resources Law Teachers Workshop, 64th Rocky Mountain Mineral Law Institute, July 2018

Panelist, Assoc. of CA Water Agencies Legal Affairs Committee CLE Workshop, May 2018

Panelist, 27th Annual Rocky Mountain Land Use Conference; Western Places/Western Spaces, Building Sustainable Communities in the Anthropocene, Mar. 2018

Guest speaker and panelist, UC Davis Delta Smelt Reintroduction Workshop, May 2017

Guest speaker, Iris Care 101, Ted and Chris Robb Garden, Univ. of the Pacific, Apr. 2017

Guest lecture, John and Mary Louise Riley Geol. Sem. Series, Sonoma State Univ., Apr. 2017

Guest lecture, Geology Dept. Speaker Series, Chico State, Mar. 2017

Organizer and speaker, 2<sup>nd</sup> Annual Cross-Boundary Panel – Age of the Anthropocene:

Humanity's Impact on the Planet, Univ. of the Pacific, Jan. 2017 (with Mary Kay Camarillo, Arturo Giraldez, Laura Rademacher, and Rachael Salcido)

Guest lecture, Pacific Legal Scholars Program, Feb. 2016, Feb. 2017

Invited Participant, Stanford Water Policy Workshop, June 2015

Keynote address, Honors Commencement, Univ. of Kansas, May 2013

Keynote address, University Scholars Banquet, Univ. of Kansas, Jan. 2012

Panelist, The Public Trust Doctrine: 30 Years Later, UC Davis Law Review Symp., Mar. 2011

Guest lecture, *Admin. Law and Listing Decisions*, Cons. Biol. graduate class, UC Davis, Jan. 2011

Poster presentation, *Protecting Genetic Diversity*, EPA STAR Fellowship Conf., Sept. 2006

### **SELECTED SERVICE**

Univ. of the Pacific, College of the Pacific

- *Codirector, Environmental Studies Program, 2015 - present*
- *Member, Institutional Effectiveness Committee, 2015 - present*
- *Chair, Geol. and Env'tl. Sci. Dept. Peer Review Committee, 2016 - present*

Univ. of the Pacific, McGeorge School of Law

- *Member, Admissions Committee, McGeorge School of Law, 2017*
- *Member, Garden Director hiring committee, 2016*
- *Member, Biology tenure track faculty hiring committee, 2016*
- *Member, Water and Environmental Sustainability Task Force, 2015 - 2017*
- *Member, Vice-Chair, Board of Advisors, KU Natural History Museum and KU Biodiversity Institute, 2012 - 2016*

*Reviewer, Molecular Ecology Journal, Minnesota Sea Grant College Program, Transactions of the American Fisheries Society, Society for Conservation Biology, 2006 - 2011*

Additional public service includes: mentoring of select law students and undergraduates; Member, UC Davis Animal Science Holiday Party Committee; Team Leader, Maryland Stream Waders; Vice President, KU Gamma Sigma Alpha; Facilitator, KU Carnival of Chemistry; Judge, Douglas Co. Science Fair; Judge, Field School Science Fair

#### **ADDITIONAL HONORS AND FELLOWSHIPS**

Switzer Fellow 2010  
– *Awarded to 20 California graduate students per year. Recognizes outstanding leadership and dedication to the environmental field.*

EPA Star Fellowship 2006  
– *Awarded to 50 - 60 fellows nationwide. Provides \$132,000 over three years in support of graduate/law study.*

Secretary's Partnering for Excellence Award 2003  
– *2nd highest award at U.S. DOT. Recognizes interdisciplinary work in drafting revised fuel economy standards.*

Truman Scholar 2001  
– *Awarded to 55 - 60 scholars nationwide. Recognizes public service, leadership, academic ability, and change potential. \$30,000 for graduate school.*

#### **INTERESTS**

Fly fishing, rafting/camping (wilderness first aid certified), gardening, watching college basketball, and spending time with family.