

HOLLY DOREMUS

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EMPLOYMENT

University of California, Berkeley

James H. House and Hiram H. Hurd Professor of Environmental Regulation, 2012 to present. Co-Director, Law of the Sea Institute, 2016-present; Co-Director, Berkeley Institute for Parks, People, and Biodiversity, 2018-present

Associate Dean for Faculty Development and Research, 2015 to 2016

Professor of Law, 2008 to 2012

Visiting Professor of Law and Natural Resources, 2005 to 2006

Visiting Professor of Law, Fall 2004; Spring 2008

Courses taught include: Property; Environmental Law & Policy; Public Lands & Natural Resources Law; Environmental Law Writing Seminar; Biodiversity Policy; Science & Regulatory Policy Seminar; Water Law; Environmental Scholarship Colloquium; Ocean and Coastal Law; Public Law Workshop

University of California, Davis

Professor of Law, 1999 to 2009

Acting Professor of Law (tenure-track), 1995 to 1999

Courses taught include: Environmental Law; Environmental Law Seminar; Land Use Planning Law; Pollution Control and Remediation; Toxics Law and Policy; Biotechnology Law and Policy; Public Lands Management; Ocean and Coastal Law; Natural Resources Law Seminar; and Property. Regularly guest-lectured and co-taught in the graduate Ecology program.

University of Oregon, Eugene

Adjunct Instructor, School of Law, 1994 to 1995. Responsible for one section of first-year Legal Research and Writing.

Oregon State University, Corvallis

Courtesy Assistant Professor, Political Science Department, Winter 1994. Developed and taught a seminar on Environmental Regulation and Private Property Rights for upper-division undergraduates.

Eickelberg & Fewel, Corvallis, Oregon

Associate, 1992 to 1994. Practice concentrated in municipal and land use law.

U.S. Court of Appeals for the Ninth Circuit, Portland, Oregon

Law Clerk to Judge Diarmuid F. O'Scannlain, 1991 to 1992.

University of Missouri, Columbia

Post-Doctoral Research Associate, Interdisciplinary Plant Physiology and
Biochemistry Group, 1986 to 1987.

EDUCATION

J.D. 1991, Boalt Hall School of Law, University of California, Berkeley

Order of the Coif; Articles Editor, Ecology Law Quarterly; Certificate in Environmental
Law

Ph.D. 1986, Cornell University, Ithaca, New York

Botany (concentration in Plant Physiology)

National Science Foundation Graduate Fellowship; Cornell University A.D. White
Fellowship; Gamma Sigma Delta (Agriculture Honor Society)

B.Sc. 1981, Trinity College, Hartford, Connecticut, with Honors in Biology

Phi Beta Kappa

PUBLICATIONS:

Books

Doremus and Lin, Environmental Law: An Open-Access Casebook (forthcoming, 2021).

Diamond and Doremus, eds., Common Currents: Governing the Ocean Commons,
(forthcoming, Brill 2021).

Beissinger, Ackerly, Doremus and Machlis, eds., Science, Conservation, and National Parks
(University of Chicago Press, 2017).

Doremus, Lin, and Rosenberg, Environmental Policy Law: Problems, Cases, and Readings, 6th
ed. (Foundation Press, 2012).

Doremus, Lin, Rosenberg and Schoenbaum, Environmental Policy Law: Problems, Cases, and
Readings, 5th ed. (Foundation Press, 2008).

Doremus and Tarlock, Water War in the Klamath Basin: Macho Law, Combat Biology, and
Dirty Politics (Island Press, 2008).

Schoenbaum, Rosenberg and Doremus, Environmental Policy Law: Problems, Cases, and Readings, 4th ed. (Foundation Press, 2002).

Articles and Book Chapters

J. Diamond and H. Doremus, Foreword / Introduction, in Diamond and Doremus, eds., Common Currents: Governing the Ocean Commons (forthcoming, Brill 2021)

B. Cosens et al., Governing Complexity: Integrating Science, Governance, and Law to Manage Accelerating Change in the Globalized Commons, forthcoming PNAS.

Middleton, A., T. Stoellinger, H. Karandikar, B. Leonard, H. Doremus, and C. Kremen, Harnessing Visitors' Support for National Parks to Advance Large-Landscape Conservation, 3 *Conservation in Practice* e335 (2020), DOI: 10.1111/csp2.335.

Li, Y-W, J. Roman, D.S. Wilcove, T. Male, and H. Doremus, Species Protection Will Take More Than Rule Reversal, 370 *Science* 665 (2020), DOI 10.1126/science.abb3806.

Barnosky et al., Merging Paleobiology with Conservation Biology to Guide the Future of Terrestrial Ecosystems, 355 *Science* 594 (2017).

Baron, J.S., T. Blett, W.C. Malm, R. Alexander, and H. Doremus, Protecting National Parks from Air Pollution Effects: Making Sausage from Science and Policy, in Beissinger, Ackerly, Doremus and Machlis, eds., Science, Conservation, and National Parks (University of Chicago Press, 2017).

Taylor and Doremus, Habitat Conservation Plans and Climate Change: Recommendations for Policy, 45 *Environmental Law Reporter* 10863-10874 (2015).

Doremus, In Honor of Joe Sax: A Grateful Appreciation, 39 *Vermont Law Review* 799-818 (2015), adapted for republication in *Environmental Law News* (the publication of the California State Bar Environmental Law Section), vol. 24, no. 2 (2015).

Haines, S. S., Diffendorfer, J. E., Balistreri, L., Berger, B., Cook, T., DeAngelis, D., Doremus, H., Gautier, D. L., Gallegos, T., Gerritsen, M., Graffy, E., Hawkins, S., Johnson, K. M., Macknick, J., McMahon, P., Modde, T., Pierce, B., Schuenemeyer, J. H., Semmens, D., Simon, B., Taylor, J., Walton-Day, K., A Framework for Quantitative Assessment of Impacts Related to Energy and Mineral Resource Development, 23 *Natural Resources Research* 3-17 (2014). DOI: 10.1007/s11053-013-9208-6.

Doremus and Tarlock, Can the Clean Water Act Succeed as an Ecosystem Protection Law?, 4(2) *G.W. J. Energy & Env'tl. L.* 46-66 (2013), available online at <http://gwujeel.files.wordpress.com/2013/10/4-2-doremustarlock.pdf>; *reprinted in* 23 *Journal of Water Law* 3-23 (2013).

- Doremus, Why International Catch Shares Won't Save Ocean Biodiversity, 2 Michigan Journal of Environmental and Administrative Law 385-428 (2013), also available at <http://www.law.berkeley.edu/files/Doremus-final.pdf> as part of the proceedings of a Law of the Sea Institute - Korea Ocean Research and Development Institute symposium.
- Schwartz et al., Managed Relocation: Integrating the Scientific, Regulatory and Ethical Challenges, 62 BioScience 732-743 (2012).
- Doremus, Climate Change and the Evolution of Property Rights, 1 U.C. Irvine L. Rev. 1091-1123 (2011).
- Doremus, Through Another's Eyes: Getting the Benefit of Outside Perspectives in Environmental Review, 38 B.C. Env'tl. Aff. L. Rev. 245-278 (2011).
- Doremus, Adaptive Management as an Information Problem, 89 N. C. L. Rev. 1455-1498 (2011).
- Doremus, Adapting to Climate Change Through Law that Bends Without Breaking, 2 San Diego Journal of Climate and Energy Law 45-84 (2010), reprinted in 43 Land Use & Environment Law Review ____ (2012).
- Camacho, Doremus, McLachlan, & Minter, Reassessing Conservation Goals in a Changing Climate, Issues in Science and Technology, Summer 2010, 21-26, *excerpted in* JOHN COPELAND NAGLE ET AL., THE LAW OF BIODIVERSITY AND ECOSYSTEM MANAGEMENT (3d ed. 2012).
- Doremus, The Endangered Species Act: Static Law Meets Dynamic World, 32 Wash. U. J. L. & Pol'y 175-235 (2010).
- Doremus, CALFED and the Quest for Optimal Institutional Fragmentation, 12 Environmental Science and Policy 729-732 (2009).
- Doremus and Hanemann, The Clean Air Act as a Template for Climate Change Legislation, in Edella C. Schlager et al., eds., Navigating Climate Change Policy: The Opportunities of Federalism (University of Arizona Press, 2011).
- Doremus, Lots of Science, Not Much Law: Why Knowledge Has Not (Yet) Been Power Over Greenhouse Gas Emissions, in William H. Rodgers & Michael Robinson-Dorn, eds., Global Warming: A Reader (Carolina Academic Press, 2011).
- Doremus and Hanemann, Of Babies and Bathwater: Why the Clean Air Act's Cooperative Federalism Framework Is Useful for Addressing Global Warming, 50 Arizona Law Review 799-834 (2008).
- Doremus, Scientific and Political Integrity in Environmental Policy, 86 Texas Law Review 1601- 1653 (2008).

- Doremus and Hanemann, The Challenges of Dynamic Water Management, 26 *UCLA J. Envtl. L. & Pol'y* 55-73 (2008).
- Doremus, Precaution, Science, and Learning While Doing in Natural Resource Management, 82 *Wash. L. Rev.* 547-579 (2007).
- Doremus, Data Gaps in Natural Resource Management: Sniffing for Leaks Along the Information Pipeline, 83 *Indiana Law Journal* 407-463 (2008), *reprinted in* ___ *Land Use and Environmental Law Review* ___ (2010).
- Rahn, Doremus and Diffendorfer, Species Coverage in Multi-Species Habitat Conservation Plans: Where's the Science?, 56 *BioScience* 613-619 (2006).
- Doremus, Reinvigorating the Union of Wonder and Power, 24 *Virginia Environmental Law Journal* 281-291 (2006).
- Doremus, Science and Controversy, in Dale D. Goble, J. Michael Scott, Frank W. Davis, eds., *The Endangered Species Act at 30: Volume 2, Conserving Biodiversity in Human-Dominated Landscapes* 97-103 (Island Press, 2006).
- Doremus, Lessons Learned, in Dale D. Goble, J. Michael Scott, Frank W. Davis, eds., *The Endangered Species Act at 30: Volume 1, Renewing the Conservation Promise*, 195-207 (Island Press, 2006).
- Doremus, Using Science in a Political World: The Importance of Transparency in Natural Resource Regulation, in Wendy E. Wagner and Rena Steinzor, eds., *Rescuing Science from Politics* 143-164 (Cambridge Univ. Press 2006).
- Doremus and Tarlock, Science, Judgment, and Controversy in Natural Resource Regulation, 26 *Public Land and Resources Law Review* 1-37 (2005), *reprinted in* 37 *Land Use and Environment Law Review* 335-375 (2006).
- Doremus, Science Plays Defense: Natural Resource Management in the Bush Administration, 32 *Ecology Law Quarterly* 249-305 (2005).
- Doremus, The Story of TVA v. Hill: A Narrow Escape for a Broad New Law, in Oliver A. Houck & Richard J. Lazarus, eds., *Environmental Law Stories: An In-Depth Look at Ten Leading Cases on Environmental Law* 109-140 (Foundation Press, 2005).
- Doremus, Crossing Boundaries: Commentary on *The Law at the Water's Edge*, in Craig Anthony Arnold, ed. *Wet Growth: Should Water Law Control Land Use?*, (Environmental Law Institute, 2005).
- Doremus, The Purposes, Effects, and Future of the Endangered Species Act's Best Available Science Mandate, 34 *Environmental Law* 397-450 (2004), *excerpted in* Laitos, Cole, Wood, and Zellmer (eds.), *Natural Resources Law* (West, 2005).

- Doremus, Contracts for Bioprospecting: The Yellowstone National Park Experience, in Microbial Diversity and Bioprospecting, A.T. Bull, ed. (American Society for Microbiology Press 2004)
- Doremus, Takings and Transitions, 19 Journal of Land Use & Environmental Law 1-46 (2003), *reprinted in* 36 Land Use and Environment Law Review __ (2005) and *excerpted in* Robert C. Ellickson and Vicki L. Been, Land Use Controls: Cases and Materials (3d ed. 2005).
- Doremus, Shaping the Future: The Dialectic of Law and Environmental Values, 37 UC Davis Law Review 233-268 (2003) and 27 Environs 233-268 (2003), *reprinted in* Jim Chen, ed., The Jurisdynamics of Environmental Protection: Change and the Pragmatic Voice in Environmental Law (Environmental Law Institute, 2003).
- Doremus, Constitutive Law and Environmental Policy, 22 Stanford Environmental Law Journal 295-378 (2003).
- Doremus and Tarlock, Fish, Farms and the Clash of Cultures in the Klamath Basin, 30 Ecology Law Quarterly 279-350 (2003), *reprinted in* 35 Land Use & Environment Law Review __ (2004).
- Doremus, A Policy Portfolio Approach to Biodiversity Protection on Private Land, 6 Environmental Science and Policy 217-232 (2003).
- Doremus, Biodiversity and the Challenge of Saving the Ordinary, 38 Idaho L. Rev. 325-354 (2002), *reprinted in* 34 Land Use & Environment Law Review __ (2003), and *excerpted in* two casebooks.
- Doremus, Adaptive Management, the Endangered Species Act, and the Institutional Challenges of "New Age" Environmental Protection, 41 Washburn L. J. 50 (2001).
- Doremus and Pagel, Why Listing May Be Forever: Perspectives on Delisting Under the U. S. Endangered Species Act, 15 Conservation Biology 1258-68 (2001) (peer reviewed).
- Doremus, Water, Population Growth, and Endangered Species in the West, 72 University of Colorado Law Review 361-414 (2001), *excerpted in* Rasband, Squillace, and Salzman, Natural Resources Law and Policy (Foundation Press, 2004).
- Doremus, The Special Importance of Ordinary Places, 23 Environs 3-17 (2000), *excerpted in* Dale D. Goble & Eric T. Freyfogle, Wildlife Law: Cases and Materials (Foundation Press 2002).
- Doremus, Delisting Endangered Species: An Aspirational Goal, Not a Realistic Expectation, 30 Environmental Law Reporter 10434-10454 (2000).
- Doremus, The Rhetoric and Reality of Nature Protection: Toward a New Discourse, 57 Wash. & Lee L. Rev. 11-73 (2000).

- Doremus, Nature, Knowledge and Profit: The Yellowstone Bioprospecting Controversy and the Core Purposes of America's National Parks, 26 Ecology L. Q. 401-488 (1999).
- Doremus, Restoring Endangered Species: The Importance of Being Wild, 23 Harvard Envtl. L. Rev. 1-92 (1999), *reprinted in* 31 Land Use & Envt. L. Rev. ____ (2000).
- Doremus, Preserving Citizen Participation in the Era of Reinvention: The Endangered Species Act Example, 25 Ecology L. Q. 707-717 (1999), *excerpted in* Stephen M. Johnson, Economics, Equity, and the Environment (Environmental Law Institute, 2004).
- Polasky and Doremus, When the Truth Hurts: Endangered Species Policy on Private Land with Incomplete Information 35 J. Envtl. Econ. & Mgmt. 22-47 (1998) (peer reviewed), *reprinted in* Stephen Polasky, ed., Economics and Biodiversity Conservation (Ashgate Publishing, 2002).
- Doremus, Listing Decisions Under the Endangered Species Act: Why Better Science Isn't Always Better Policy, 75 Washington University Law Quarterly 1029 (1997), *reprinted in* 30 Land Use & Envt. L. Rev. ____ (1999), and *excerpted in* Dale D. Goble & Eric T. Freyfogle, Wildlife Law: Cases and Materials (Foundation Press 2002).
- Polasky, Doremus, and Rettig, Endangered Species Conservation on Private Land, XV Contemporary Economic Policy 66 (1997).
- Doremus, Private Property Interests, Wildlife Restoration, and Competing Visions of a Western Eden, in Robert B. Keiter (ed.), Reclaiming the Native Home of Hope: Community, Ecology, and the American West 78 (University of Utah Press 1997), *reprinted in* 18 J. Land, Resources, & Envtl. L. 41 (1998).
- Doremus, Patching the Ark: Improving Legal Protection of Biological Diversity, 18 Ecology L.Q. 265 (1991), *reprinted in* 23 Land Use & Envt. L. Rev. 465 (1992) and *excerpted in* three casebooks.

Committee and Group Reports

- Delta Social Science Task Force, A Social Science Strategy for the Sacramento-San Joaquin Delta (2020).
- Climate Change and Fisheries Working Group, California Ocean Protection Council Science Advisory Team, Readyng California Fisheries for Climate Change (2017).
- Committee on the Evaluation of the Landscape Conservation Cooperatives, National Research Council, A Review of the Landscape Conservation Cooperatives (2015).
- Center for Progressive Reform, Making Good Use of Adaptive Management (2011), available at http://progressivereform.org/articles/Adaptive_Management_1104.pdf (principal author), *excerpted in* JOHN COPELAND NAGLE ET AL., THE LAW OF BIODIVERSITY AND

ECOSYSTEM MANAGEMENT (3d ed. 2012) and A. DAN TARLOCK ET AL., WATER RESOURCES MANAGEMENT: A CASEBOOK IN LAW AND PUBLIC POLICY (7th ed. 2013).

Center for Progressive Reform, Regulatory Blowout: How Regulatory Failures Made the BP Disaster Possible, and How the System Can Be Fixed to Avoid a Recurrence (2010), available at http://www.progressivereform.org/articles/BP_Reg_Blowout_1007.pdf.

Committee on Endangered and Threatened Species in the Platte River Basin, National Research Council, Endangered and Threatened Species of the Platte River (2005), recipient of the 2006 Meredith F. Burrill Award from the Association of American Geographers.

Considering Life History, Behavioral, and Ecological Complexity in Defining Conservation Units for Pacific Salmon, An independent panel report, requested by NOAA Fisheries (June 13, 2005), available at http://www.nwfsc.noaa.gov/trt/regarding_salmon_esus.pdf

Panel on Adaptive Management for Resource Stewardship, Committee to Assess the U.S. Army Corps of Engineers Methods of Analysis and Peer Review for Water Resources Project Planning, National Research Council, Adaptive Management for Water Resources Project Planning (2004).

CalFed Science Program, 2003 EWA Review Panel, Review of the 2002-2003 Environmental Water Account (EWA) (2003).

CalFed Science Program, 2001 EWA Review Panel, First Annual Review of the Environmental Water Account for the CalFed Bay-Delta Program (2001).

White Papers and Policy Reports

Nylen et al., Addressing Institutional Vulnerabilities in California's Drought Water Allocation Part 1: Water Rights Administration and Oversight During Major Statewide Droughts, 1976–2016, A Report for California's Fourth Climate Change Assessment (August 2018), available at <https://www.law.berkeley.edu/research/cee/research/wheeler/drought-water-allocation/>.

Nylen et al., Addressing Institutional Vulnerabilities in California's Drought Water Allocation Part 2: Improving Water Rights Administration and Oversight for Future Droughts, A Report for California's Fourth Climate Change Assessment (August 2018), available at <https://www.law.berkeley.edu/research/cee/research/wheeler/drought-water-allocation/>

Miller et al., When Is Groundwater Recharge a Beneficial Use of Surface Water in California? (August 2018), https://www.law.berkeley.edu/wp-content/uploads/2018/08/CLEE_RechargingGroundwater_BeneficialUse-2.pdf.

- Miller et al., Improving California's Stream Flow Monitoring System (April 2018),
<https://www.law.berkeley.edu/research/clee/research/wheeler/stream-monitoring/>.
- Green Nysten et al., Trading Sustainably: Critical Considerations for Local Groundwater Markets Under the Sustainable Groundwater Management Act (June 2017),
<https://www.law.berkeley.edu/trading-sustainably>.
- Diamond et al., The Past, Present & Future of California's Coastal Act: Overcoming Division to Comprehensively Manage the California Coast (August 2017),
<https://www.law.berkeley.edu/wp-content/uploads/2017/08/Coastal-Act-Issue-Brief.pdf>.
- Green Nysten, Sherman, Kiparsky and Doremus, Citizen Enforcement and Sanitary Sewer Overflows in California (April 2016),
https://www.law.berkeley.edu/wp-content/uploads/2016/04/CLEE_CitizenEnforcementSSOs_2016-04-11.pdf
- Kiparsky, Owen, Green Nysten, Christian-Smith, Cosens, Doremus, Fisher and Milman, Designing Effective Groundwater Sustainability Agencies: Criteria for Evaluation of Local Governance Options (2016), www.law.berkeley.edu/groundwater-governance-criteria.
- Taylor and Doremus, Habitat Conservation Plans and Climate Change: Recommendations for Policy (July 2011).

Other Writings

- Blog posts at Legal Planet: The Environmental Law and Policy Blog, legalplanet.wordpress.com; some cross-posted at CPRBlog, progressivereform.org/CPRBlog.cfm, or The Berkeley Blog, <http://blogs.berkeley.edu/>
- Doremus, Endangered Deference, The Regulatory Review, July 16, 2019,
<https://www.theregreview.org/2019/07/16/doremus-endangered-deference/>
- Doremus, Why California Needs a Plan to Protect Its Wetlands, Water Deeply, July 6, 2018,
<https://www.newsdeeply.com/water/community/2018/07/06/why-california-needs-a-plan-to-protect-its-wetlands>
- Doremus, Why Dan Tarlock is My Hero, 93 Chicago Kent Law Review 983 (2018).
- Doremus, Foreword to Joseph L. Sax, Mountains Without Handrails (revised ed., 2018).
- Doremus, Wilkinson and Owen, The Future of Natural Resources Law (panel transcript), 47 Environmental Law Reporter 10197-10205 (March 2017).
- Doremus, Arbitral Panel Sides with Philippines in South China Sea Dispute, Trends (ABA Section of Environment, Energy, and Resources), Nov/Dec 2016.

Water: California in a Global Context, *Bulletin of the American Academy of Arts and Sciences*, Spring 2016, 8-10.

Kiparsky and Doremus, California Needs Strong, Fair and Effective Groundwater Agencies, *The Fresno Bee*, May 16, 2016,
<http://www.fresnobee.com/opinion/opn-columns-blogs/article77910362.html>

Doremus and Infelise, Foreword to the 2016 Annual Review, 43 *Ecology Law Quarterly* 237 (2016).

Doremus and Infelise, Foreword to the 2014 Annual Review, 41 *Ecology Law Quarterly* 171 (2014).

Infelise and Doremus, Foreword to the 2012 Annual Review, 39 *Ecology Law Quarterly* 239 (2012).

Doremus, The Law's Great Strength, Room for Debate on Saving Species as the Climate Changes, *New York Times*, Apr. 20, 2011,
<http://www.nytimes.com/roomfordebate/2011/04/20/saving-endangered-species-as-the-climate-changes/the-laws-great-strength>

Doremus, The Persistent Problem of Standing in Environmental Law, 40 *Environmental Law Reporter* 10956-57 (2010).

Biber and Doremus, Gulf Oil Spill: Obama's Regulatory Response Falls Short, *Los Angeles Times*, May 20, 2010.

Infelise and Doremus, Foreword to the 2010 Annual Review, 37 *Ecology L.Q.* 277-285 (2010).

Doremus, Water Law 103: Water Federalism, Part 2, ABA 29th Annual Water Law Conference (2010).

Doremus and Infelise, Foreword to the Annual Review, 36 *Ecology L.Q.* 201-207 (2009).

Doremus, "Fixing Science in the Environmental Agencies," in *Blue Sky: New Ideas for the Obama Administration*, <http://ideas.berkeleylawblogs.org/> (2009).

Doremus, Book Review: Large-Scale Ecosystem Restoration: Five Case Studies from the United States, Mary Doyle and Cynthia A. Drew, eds., 27 *Ecological Restoration* 227-228 (2009).

Doremus, "A Challenge for the Obama Team: Put Science and Federal Scientists to Better Use," 36 *Ecology Law Currents* 151 (2009).

Doremus, "Free-Willy-Nilly: What Does the Supreme Court Ruling on Navy Sonar Mean for the Whales?," *slate.com* (Nov. 14, 2008).

Doremus, "Polar Bears in Limbo," *slate.com* (May 20, 2008).

- Doremus, "Polar Bear Politics," slate.com (Jan. 17, 2008).
- Doremus, Environmental Law in the Roberts Court: A Tale of Three Cases, American Bar Association, Section on Environment, Energy and Resources, *Trends* (Jan./Feb. 2008).
- Doremus, Buehring, and Gerhart, "Hydropower Relicensing in a Changing Environment: Barriers to and Opportunities for Improved Coordination and Flexibility," Project Report (Aug. 2007).
- Doremus, Tennessee Valley Authority v. Hill, Encyclopedia of the Supreme Court of the United States (Thomson-Gale, 2008).
- Doremus, Inspiring a New Commitment (Book Review), 20 *Conservation Biology* 1830-31 (2006).
- Doremus, Protecting Endangered Species, Center for Progressive Reform Perspective (2006), posted at http://www.progressivereform.org/perspectives/endangered_species.cfm.
- Doremus, Endangered Species Act Gets Listed (op-ed), *Christian Science Monitor*, Sept. 29, 2005.
- Doremus, Conservation Policy: A Policy Portfolio Approach to Biodiversity Protection on Private Lands, in *Principles of Conservation Biology*, 3d ed., Martha J. Groom, Gary K. Meffe and C. Ronald Carroll, eds. 641-643 (Sinauer Associates, Inc., 2005).
- Doremus, What People Want from Wolves (Book Review), 18 *Conservation Biology* 1163-1164 (2004).
- Doremus, Symposium Introduction: Environmental Ethics and Environmental Law: Harmony, Dissonance, Cacophony, or Irrelevance? 37 *U.C. DAVIS. L. REV.* 1-11 and 27 *ENVIRONS* 1-11 (2003).
- Doremus and Pagel, Delisting of Species Under the ESA (response to letter to the editor), *Conservation Biology* 652-653 (2003).
- Doremus, Agriculture and the Environment: Introduction to the Conference Issue, 25 *Environs* 47-51 (2002).
- Doremus, Review of Regulatory Takings: Law, Economics, and Politics, by William A. Fischel, 19 *Legal Studies Forum* 429 (1995).
- Doremus and Blevins, Purification and Characterization of a Specific Nucleoside Diphosphatase from Soybean Root Nodules, 87 *Plant Physiology* 41 (1988).
- Doremus and Blevins, Nucleoside Diphosphatase and 5'-Nucleotidase Activities of Soybean Root Nodules and Other Tissues, 87 *Plant Physiology* 36 (1988).

Doremus and Jagendorf, Site of Synthesis of the Enzymes of the Pyrimidine Biosynthetic Pathway in Oat (*Avena sativa* L.) Leaves, 83 *Plant Physiology* 657 (1987).

Doremus, Organization of the Pathway of de novo Pyrimidine Nucleotide Biosynthesis in Pea (*Pisum sativum* L. cv Progress No. 9) Leaves, 250 *Archives of Biochemistry and Biophysics* 112 (1986).

Doremus and Jagendorf, Subcellular Localization of the Pathway of de novo Pyrimidine Nucleotide Biosynthesis in Pea Leaves, 79 *Plant Physiology* 856 (1985).

INVITED PRESENTATIONS:

Moderator, “The Klamath Water Wars – Twenty Years Later, Part 2,” *Dividing the Waters*, National Judicial Council, (scheduled, August 2021)

Moderator, “The Klamath Water Wars – Twenty Years Later, Part 1, Irreconcilable Promises: Indian Water Rights vs Reclamation Era Expectations,” *Dividing the Waters*, National Judicial Council, April 2021

Commentator, “Wildlife as Property Owners: A New Conception of Animal Rights,” Case Western Reserve University School of Law, Mar. 2021

Moderator, “A Practical Discussion of Easements (featuring Martin’s Beach),” *Berkeley Law*, Nov. 2020

“Clean Water Act Overview,” Environmental Law Institute, *Basics of the Clean Water Act*, June 2020 (ELI Summer School 2020)

“Closing Thoughts,” Symposium, *Saving a Bug’s Life: Legal Solutions to Combat Insect Biodiversity Decline and the Sixth Mass Extinction*, U.C. Davis School of Law, Davis, CA, March 2020

“Setting the Stage: The Historical and Current Context of the Endangered Species Act,” Rocky Mountain Mineral Law Foundation, *Program on Endangered Species Act and Other Wildlife*, Denver, CO, Oct. 2019

“The Equities of Fishery Allocation and Reallocation, and Why They Matter,” Jon Van Dyke Institute / Korea Institute of Science and Technology / East-West Center, *Conference on Ocean Science, Ocean Policy and Sustainability in the Pacific and East Asia*, Honolulu, HI, Sept. 2019

“Conservation Equity,” Texas A&M Law School, *Enviroschmooze*, Fort Worth, TX, Aug. 2019

“The Public Trust Doctrine, Groundwater, and the Linkage Problem,” Rocky Mountain Mineral Law Foundation, *65th Annual Institute*, Monterey, CA, July 2019

“Climate Policy and Law,” Environmental Science, Policy and Management 15 guest lecture, Berkeley, CA, March 2019

“Can (and Should) National Park Visitors Help Finance Conservation Efforts Beyond Park Boundaries?,” Getches-Wilkinson Center 2019 Martz Winter Symposium, Boulder, CO, March 2019

“Utopia/Dystopia: The Environmental Transition Problem,” Utopia/Dystopia: Imagining the Future: An On the Same Page Panel, UC Berkeley, Berkeley, CA, October 2018

“The Past, Present, and Future of US Conservation Law,” Wildlife Seminar, UC Berkeley, Berkeley, CA, October 2018

Panelist, “Trump Administration Environmental Policies – Disaster, Good, or Bluster?,” Alameda County Bar Association, Environmental Law Section, Oakland, CA, September 2018

“What are the Social and Legal Implications of/Considerations for Scientific Deliberation about the Taxonomy of Extant Species?,” invited presentation to the National Research Council Committee on Assessing the Taxonomic Status of the Red Wolf and the Mexican Gray Wolf, Washington, D.C., September 2018

“How Property Rights Advocates Can Stop Worrying and Learn to Love Adaptive Water Rights,” Environmental Law Colloquium, Northwestern University Pritzker School of Law, Chicago, Illinois, Feb. 2018.

Panelist, “Recent Environmental Law Developments in the U.S. Supreme Court and Ninth Circuit Court of Appeals,” 26th Annual Environmental Law Conference at Yosemite, State Bar of California, Environmental Law Section, Fish Camp, California, October 2017.

“The Importance of Adaptive Water Rights,” 14th Annual Brigham-Kanner Property Rights Conference, William and Mary Law School, Williamsburg, Virginia, Oct. 2017.

Panelist, “Shakings from the Third Branch,” Bar Association of San Francisco, San Francisco, Sept. 2017.

“Climate Change and Institutional Reshuffling,” Conference on Oceans and Climate Change Governance: Integrating Regulatory Initiatives & Addressing Governance Gaps, Law of the Sea Institute, World Maritime University, Korea Institute of Ocean Science & Technology, Malmo, Sweden, Aug. 2017.

“The Hydraulic Society Revisited,” commenter, UC Berkeley, April 2017.

“ESA and Climate Change: Collision Course?,” panelist, California Water Policy Conference
26 San Diego, California, April 2017.

“Is Adaptive Management Adaptive for Dynamic Systems?,” LSU Climate and Energy
Conference, Baton Rouge, Louisiana, March 2017.

“Integrating Water Quality and Water Allocation,” McGeorge Water Law Symposium,
Sacramento, California, March 2017.

“Confronting Uncomfortable Realities: Three Themes,” Symposium on The Future of
Environmental Law, U.S. Department of Justice, Environment & Natural Resources
Division, Washington, DC, Nov. 2016.

“The Klamath Agreement: What Happened and What Does it Mean?” Panel discussion, UC
Berkeley Institute of International Studies, Berkeley, California, Nov. 2016.

“Lessons and Next Steps,” Marine Environmental Protection in Asia: Regional Implementation
of IMO Conventions, Centre for International Law, National University of Singapore,
Korea Institute of Ocean Science & Technology, Law of the Sea Institute, University of
California, Berkeley, Singapore, Aug. 2016.

Panelist, “Supreme-ly Significant: Environmental Cases in the Supreme Court and the
Circuits,” Bar Association of San Francisco, Environmental Law Section, San
Francisco, California, June 2016.

“Sustainability in Motion,” Keynote Speech, Second Annual Sustainability Conference of Legal
Educators, Arizona State University, Sandra Day O’Connor College of Law, Tempe,
Arizona, May 2016.

American Academy of Arts and Science, 2032nd Stated Meeting, Water: California in a Global
Context, Stanford University, Palo Alto, California, Feb. 2016.

“The Listing and Delisting Process,” Rocky Mountain Mineral Law Foundation, Endangered
Species Act: Current and Emerging Issues Affecting Resource Development, Denver,
Colorado, Nov. 2015.

Panelist, “Recent Developments in the U.S. Supreme Court, Ninth Circuit, and California
Supreme Court,” California State Bar, Environmental Law Section, Environmental Law
Conference at Yosemite, Fish Camp, California, Oct. 2015.

“Environmental Law Scholarship: Goals, Capacities, and Conscious Choices,” Keynote
Address, Vermont Law School Colloquium on Environmental Scholarship, South
Royalton, Vermont, Oct. 2015.

- Panelist, “The Interplay of Science and Policy,” Symposium on Integrating Biology and Paleobiology to Enhance Conservation of Terrestrial Ecosystems on a Rapidly Changing Planet, Berkeley Initiative on Global Change Biology, Berkeley, California, Sept. 2015.
- “Law, Values, and River Management,” Bureau of Reclamation, Glen Canyon Adaptive Management Work Group Annual Meeting, Tempe, Arizona, Aug. 2015.
- “Principled Conservation Goals for an Unnatural, Ahistorical World, UCLA School of Law, Climate and Energy Law Workshop, Los Angeles, California, Mar. 2015.
- “Principled Conservation Goals for an Unnatural, Ahistorical World,” Denver University Sturm College of Law, Environmental Law Workshop, Feb. 2015.
- “Institutional Design and the Agency Science Problem: A Proposal for a Research Agenda,” Texas Law Review Symposium, Austin, Texas, Jan. 2015.
- “Scientific and Policy Integrity in Ocean Resource Management,” Pew Marine Fellows Annual Meeting, Sausalito, California, Nov. 2014.
- “Identifying Conservation Goals for an Unnatural, Ahistorical World,” U.C. Davis Geography Department Seminar, Davis, California, Dec. 2014.
- “Identifying Conservation Goals for an Ahistorical World,” U.C. Berkeley Wildlife Seminar, Berkeley, California, Sept. 2014.
- “Environmental Protection in Times of Drought,” Stanford Workshop on Water Governance and Climate Change, Palo Alto, California, Sept. 2014.
- “Joe Sax: An Appreciation,” 17th Annual Conference on Litigating Takings Challenges to Land Use and Environmental Regulations, UC Davis School of Law, Davis, California, Sept. 2014.
- “Conservation Goals in an Ahistorical World,” Research Roundtable on Climate Change and Natural Preservation: Adaptation Litigation, Oceans, and Other Topics, Searle Center on Law, Regulation, and Economic Growth, Northwestern University, Chicago, Illinois, July 2014.
- “The Supreme Court and the Planet,” Panelist, Bar Association of San Francisco, San Francisco, California, June 2014.
- “Science and Policy in Endangered Species Conservation,” Daniel Goodman Memorial Symposium, Bozeman, Montana, Mar. 2014.
- “The Endangered Species Act in a Changing Climate,” Natural Resources Law and Policy Workshop, Stanford Law School, Palo Alto, California, Nov. 2013.

- “Property Rights in Times of Transition,” Tenth Annual Brigham-Kanner Property Rights Conference, William and Mary Law School, Williamsburg, Virginia, Oct. 2013.
- “Forecasting the Future,” The Endangered Species Act at 40: Examining Its Past and Exploring Its Future, University of California, Davis, Oct. 2013.
- “Institutional Architecture and Information Flow,” Workshop on Information and Communication Technologies and Environmental Regulation: Developing a Research Agenda, Galway, Ireland, June 2013.
- Commentator, “Free Market Environmentalism,” Federalist Society, UC Berkeley School of Law, March 2013.
- “The ESA: Static Law Meets Dynamic World,” Endangered Species Act Conference, CLE International, San Francisco, California, March 2013.
- Commentator, Sawyer Seminar, Speciesism and the Future of Humanity, Berkeley, California, February 2013.
- “Finding Common Ground in the Klamath Basin,” Moderator, California Water Law Symposium, Davis, California, January 2013.
- “Is the Law Failing the West’s Amphibians?,” Plenary presentation, California/Nevada Amphibian Population Task Force Annual Meeting, Humboldt State University, Arcata, California, January 2013.
- Commentator, “The Broad View: Lessons to Inform Next Generation Compliance,” Workshop on Next Generation Environmental Compliance, Washington, D.C., December 2012.
- “Making Good Use of Science in Environmental Policy,” Ocean University of China, Qingdao, China, October 2012.
- “Can U.S. Biodiversity Law Deal With Climate Change?,” Ocean University of China, Qingdao, China, October 2012.
- Panelist, “Narrow Issues, Big Decisions: U.S. Supreme Court Docket 2011-2012 and Beyond,” Bar Association of San Francisco, San Francisco, July 2012.
- “The Possibilities and Limits of Tradeable Permits for Ocean Biodiversity Management,” Law of the Sea Institute Conference, Securing the Ocean for the Next Generation, Seoul, Korea, May 2012.
- “Sackett v. EPA,” Western States Project Membership Training Conference, Boise, Idaho, May 2012.

“Adaptive Management: Knowing When to Say When,” UC Davis Economics, Ecology and Policy Seminar, Davis, California, Apr. 2012.

Panelist, “Twenty-Five Years of Environmental Law,” National Association of Environmental Law Societies Annual Conference, University of Michigan Law School, Ann Arbor, Michigan, Mar. 2012.

“The Clean Water Act as an Ecosystem Protection Tool,” Conference on the Clean Water Act at 40, George Washington University Law School, Washington, D.C., Mar. 2012.

“Introductory Remarks,” California Water Law Symposium, Berkeley, California, Jan. 2012.

“Salmon, Smelt and Science in the Bay-Delta,” Society for Conservation Biology, Berkeley Chapter, Berkeley, California, Dec. 2011.

“Climate Change and the Evolution of Property Rights,” UC Berkeley Institute of International Studies, Seminar on Water Management in Mediterranean Climates: Past and Future Adaptation, Berkeley, California, Nov. 2011.

Panelist, “Supreme Court and Ninth Circuit Update,” California State Bar, Environmental Law Section, Environmental Law Conference at Yosemite, Fish Camp, California, Oct. 2011.

“Institutional Learning and Regulatory Evolution,” Symposium on Integrating Evolution Into Policy, Ecological Society of America, Annual Meeting, Austin, Texas, Aug. 2011.

“The Institutional Context of Natural Resource Management Science and Why It Matters,” Faculty Colloquium, University of Hawai`i, William S. Richardson School of Law, Honolulu, Hawai`i, April 2011.

“Looking Toward the Future of U.S. Wildlife and U.S. Wildlife Law,” Environmental Law Program Colloquium, University of Hawai`i, William S. Richardson School of Law, Honolulu, Hawai`i, April 2011.

“The Endangered Species Act in the Twenty-First Century,” Symposium on Wildlife Conservation in the 21st Century, Wallace Stegner Center for Land, Resources and the Environment, University of Utah S.J. Quinney College of Law, Salt Lake City, Utah, March 2011.

“Lessons for Pre-Permitting Environmental Review,” Symposium on Learning From Disaster: Lessons from the Gulf of Mexico, Boston College Law School, November 2010.

“Adaptive Management and Information,” Environment and Energy Workshop, Stanford Law School, November 2010.

“Environmental Review and the Deepwater Horizon Disaster,” American Bar Association Section of Individual Rights and Responsibilities Fall Conference, Memphis, Tennessee, October 2010.

“Adaptive Management and Information,” Symposium on Adaptation and Resiliency in Legal Systems, University of North Carolina School of Law, Chapel Hill, North Carolina, October 2010.

Panelist, “Environmental Impacts of the Deepwater Horizon Oil Spill: A Failure of Oversight?,” American Bar Association, Section of Individual Rights and Responsibilities, Teleconference/Webcast, August 2010.

“Lessons from the Clean Water Act Cases,” Symposium, Celebrating Thirty Years on the Bench: The Honorable Thelton E. Henderson, Berkeley, California, April 2010.

“From Oak to Windswept Pine: Searching for Law that Bends Without Breaking,” University of San Diego, 2d Annual Climate and Energy Law Symposium, San Diego, California, April 2010.

“Climate Change and the Endangered Species Act,” 4th Annual Endangered Species Act Conference, CLE International, San Diego, California, April 2010.

Moderator, Panel on Citizen Standing and Access to the Courts, Environmental Protection in the Balance: Citizens, Courts, and the Constitution, Berkeley Law, Georgetown University Law Center, Environmental Law Institute, Washington, D.C., February 2010.

“Water Law 103,” American Bar Association Section of Environment, Energy and Resources, 28th Annual Water Law Conference, San Diego, California, February 2010.

Panelist, “Protecting Wildlife in an Uncertain Climate,” Planning and Conservation League Conference, Greening California’s Landscapes: Smart Solutions for a New Era, Sacramento, California, January 2010.

Panelist, “Adaptive Management in the 21st Century: Pieces of the Puzzle,” Center for Progressive Reform Semi-Annual Meeting, Loyola University College of Law, New Orleans, Louisiana, Jan. 2010.

Panelist, “Is Water Regulation a Taking?,” Conference on Litigating Regulatory Takings Challenges to Land Use and Environmental Regulations, Vermont Law School, South Royalton, Vermont, Nov. 2009.

“The Klamath Water Conflict,” Native American Law Student Speaker Series, Berkeley Law, Oct. 2009.

- Moderator, “David v. Goliath: But Who Is Whom? The Federal and California Endangered Species Acts in an Era of Declining Species and Climate Change,” State Bar of California, Environmental Law Section, 2009 Environmental Law Conference at Yosemite, Fish Camp, California, Oct. 2009.
- “Climate Change and the Evolution of Property Rights,” University of California, Irvine, School of Law, Irvine, California, Oct. 2009.
- Commentator, Panel on Water and Equity, Conference on “Natural Resource Policy As If Equity Mattered,” University of California, Berkeley, Oct. 2009.
- “Animal Migration Conservation,” Commentator, Indiana University (Bloomington) Maurer School of Law, Bloomington, Indiana, Sept. 2009.
- “Static Law Meets Dynamic World,” University of Michigan School of Law, Governance Workshop, Ann Arbor, Michigan, Sept. 2009.
- “How the Endangered Species Act Got Its Static Stripes in a Dynamic World,” Washington University Journal of Law and Policy Symposium, St. Louis, Missouri, Mar. 2009.
- “Of Babies and Bathwater,” Berkeley Climate Policy Idea Lab, Berkeley, California, Feb. 2009.
- Panelist, “The Taxonomy Problem,” UC Davis Environmental Law Society Symposium, The Evolving Endangered Species Act, Davis, California, Feb. 2009.
- “Water War in the Klamath Basin,” UC Cooperative Extension, Winter Ag Meeting, McArthur, California, Jan. 2009.
- “Institutional Challenges of Adaptive Management,” California Native Plant Society Conservation Conference 2009, Sacramento, California, Jan. 2009.
- Panelist, “Climate Change: What Can We Expect in the Coming Year?,” Center for Progressive Reform Semi-Annual Meeting, San Diego, California, Jan. 2009.
- “Climate Change and the Evolution of Property Rights,” Energy and Resources Group Colloquium, University of California, Berkeley, Nov. 2008.
- “The Takings Issue in a Warming World,” Georgetown Environmental Law and Policy Institute, 11th Annual CLE Conference on Litigating Takings and Other Legal Challenges to Land Use and Environmental Regulation, Stanford Law School, Stanford, California, Nov. 2008.
- “Global Warming Science and Policy,” Faculty Workshop, Chicago-Kent School of Law, Chicago, Illinois, Sept. 2008.

“Water War in the Klamath Basin,” Klamath County Museum, Klamath Falls, Oregon, July 2008.

Panelist, “Species and Habitats in the Changing West,” Conference on Shifting Baselines and New Meridians: Water, Resources, Landscapes and the Transformation of the American West, University of Colorado, Natural Resources Law Center, Boulder, Colorado, June 2008.

Panelist, “Setting Priorities and Making Tradeoffs,” Workshop on Managing for a Healthy California Current Ecosystem, Environmental Law Institute and Law of the Sea Institute, University of California, Berkeley, Apr. 2008.

Moderator, “Water Supply, Biodiversity and the Uncertain Future of the Sacramento-San Joaquin Delta,” Conference on California and the Future of Environmental Law and Policy, University of California, Berkeley, Apr. 2008.

Commentator, Opening Workshop, “A Water Framework for California: Insights from Innovative Approaches in Europe,” University of California, Berkeley, Apr. 2008.

Panelist, “Models of Federalism for Climate Change Policy,” University of Arizona James E. Rogers College of Law, William H. Rehnquist Center, Federalism and Climate Change Conference, Tucson, Arizona, Feb. 2008.

“Scientific Integrity and Political Integrity in Environmental Policy,” Plenary Speaker, Bay Area Conservation Biology Symposium, Davis, California, Feb. 2008.

“Scientific and Political Integrity in Environmental Policy,” University of Texas School of Law, Texas Law Review Symposium, Austin, Texas, Feb. 2008.

Panelist, “A Blockbuster Term in the United States Supreme Court,” California State Bar, Environmental Law Section, 17th Annual Environmental Law Conference at Yosemite, Fish Camp, California, Oct. 2007.

Panelist, “Environmental Law in the Supreme Court: How Well Does the Court Handle Complex Issues of Regulatory Authority?,” Plenary Session, American Bar Association, Section of Environment, Energy, and Resources, 15th Annual Section Fall Meeting, Pittsburgh, PA, Sept. 2007.

“National Association of Home Builders v. Defenders of Wildlife: What’s Left of TVA v. Hill?,” Sacramento County Bar Association Environmental Law Society Luncheon, Sacramento, CA, Sept. 2007.

“The Challenges of Dynamic Water Management,” ABA Section on International Law, Spring Meeting, Washington, D.C., May 2007.

“Precaution, Science, and Learning While Doing in Natural Resource Management,” Of Salmon, the Sound, and the Shifting Sands of Environmental Law - A National Perspective With a Look Forward at the Career of Bill Rodgers and the Power of Ideas, University of Washington School of Law, Apr. 2007.

Panelist, “Massachusetts v. EPA,” UC Davis Environmental Law Society, April 2007.

“Sniffing for Leaks Along the Information Pipeline,” Faculty Workshop, University of Oregon Law School, Mar. 2007.

“Water Conflicts in the Klamath Basin,” Development and Environment Seminar, Boalt Hall School of Law, Mar. 2007.

“The Hard Truth About Adaptive Water Management,” 2007 Frankel Environmental Law Symposium, Coping With Global Warming, UCLA School of Law, Mar. 2007

Panelist, “Ecosystem Services Discussion,” Bay Area Conservation Biology Symposium, Berkeley, CA, Feb. 2007.

“Can Environmental Law Learn to Swim? The Legal Challenges of Protecting and Restoring Aquatic Environments,” John Muir Institute, UC Davis, Environmental Solutions Series, Feb. 2007.

“Doing Science in a Regulatory Agency – Ethics, Politics, and Law,” Colorado State University, Program for Interdisciplinary Mathematics, Ecology, and Statistics, Ethics in Ecology Seminar Series, Fort Collins, Colorado, Nov. 2006.

“Multiple Species Habitat Conservation Planning,” UC Division of Agriculture and Natural Resources, Center for Land Management, Davis, California, Nov. 2006.

“Science and Politics in Environmental Policymaking - Can This Marriage Be Saved?,” Lunch Series on the Societal Implications of the Life Sciences, University of Minnesota, Consortium on Law and Values in Health, Environment, and the Life Sciences, Minneapolis, Minnesota, Nov. 2006.

“Recent Developments in the Ninth Circuit and California Supreme Court,” panelist, California State Bar, Environmental Law Section, 16th Annual Environmental Law Conference at Yosemite, Fish Camp, California, Oct. 2006.

“Sniffing for Leaks Along the Information Pipeline,” Environmental Law Workshop, Georgetown University Law Center, Sept. 2006.

“Endangered Species Act Reform,” Society for Conservation Biology, University of California, Davis, June 2006.

- “The Endangered Species Act: Basics, Numbers, Hot Issues, and Prospects,” Donald Bren School of Environmental Science and Management, University of California, Santa Barbara, May 2006.
- “The Information Problem in Natural Resource Regulation: What Don’t We Know and Why Don’t We Know It?,” Conference on Missing Information: The Environmental Data Gaps in Conservation and Chemical Regulation, Indiana University School of Law, Bloomington, Indiana, March 2006.
- “The Problem of Critical Habitat,” Land Conservation Lunch, University of California, Berkeley, February 2006.
- “Protecting California’s Biodiversity: Who Needs the Feds?,” Conference on California and the Future of Environmental Policy, University of California, Berkeley, February 2006.
- “Incorporating Science Into Natural Resources Regulation,” Faculty Workshop, University of San Francisco School of Law, San Francisco, California, October 2005.
- “Endangered Species Federalism,” Panel on Natural Resources Federalism, Boalt Hall School of Law, University of California, Berkeley, California, October 2005.
- “Reinvigorating the Marriage of Wonder and Power,” Conference on Environmental Law / Environmental Letters, University of Virginia School of Law, Charlottesville, Virginia, October 2005.
- “Murky Waters: Law, Science and Conflict in the Klamath River Basin,” Environmental Science, Policy, and Management Colloquium, University of California, Berkeley, California, September 2005.
- “The Prospects for Reauthorization or Reform of the ESA in the 109th Congress,” presentation to the Society for Conservation Biology and the Environmental Law Society, Davis, CA, April 2005.
- “Translating Science Into Policy and to the Public,” Conference on Water Management and Policy in the Great Plains: Implications of Drought and Climate Change, University of Nebraska College of Law, Lincoln, Nebraska, April 2005.
- Science, Judgment, and Controversy in Natural Resource Management, Edward W. Clyde Distinguished Scholar Lecture, University of Utah, S.J. Quinney College of Law, Salt Lake City, Utah, March 2005.
- “Science, Judgment, and Controversy in Natural Resource Management,” faculty workshop, University of Arizona School of Law, Tucson, Arizona, February 2005.

- “Science Plays Defense: Natural Resource Management in the Bush Administration,” faculty workshop, Boalt Hall School of Law (U.C. Berkeley), Berkeley, California, February 2005.
- “Science and Natural Resource Management in the Bush Administration,” AALS Annual Meeting, Natural Resources Section, San Francisco, California, January 2005.
- “Biodiversity Conservation: Science and Policy,” Panelist, Fourth Annual International Sustainability Days Conference, Stanford University, Palo Alto, California, October 2004.
- “Best Science in Water Management,” Panelist, American Bar Association, Section of Environment, Energy, and Resources, 12th Section Fall Meeting, San Antonio, Texas, October 2004.
- “Managing Intractable Disputes: Framing the Klamath Basin Conflict,” 28th Annual Public Land Law Conference, Science and Democracy in Public Lands Conflict: Forests, Fish, and Fire, School of Law, University of Montana, Missoula, Montana, October 2004.
- “Historical Perspective on the Endangered Species Act and Context for Science,” presentation to the Recovery Science Review Panel, National Marine Fisheries Service, Northwest and Southwest Fisheries Science Centers, Seattle, Washington, September 2004.
- “Biodiversity Protection: Science, Risk and Precaution,” AALS Conference on Teaching Environmental Law in a Global Context, AALS Mid-Year Meeting, Portland, Oregon, June 2004.
- “Science, Law, and Conflict in the Klamath Basin and Beyond,” panelist, conference on “Protecting California’s Rivers: Confluence of Science, Policy & Law,” Davis, California June 2004.
- “Endangered Species Law and Policy,” workshop, Donald Bren School of Environmental Science and Policy, U.C. Santa Barbara, May 2004.
- “The Klamath Basin Conflict,” Stanford University Water Policy Seminar, May 2004, Stanford, California.
- “Institutional Design and Regulatory Science,” symposium on “Clean Science in Regulation, University of Maryland School of Law, Baltimore, Maryland, April 2004.
- “The Endangered Species Act’s Best Science Mandate: Lessons and Prospects,” faculty workshop presentation at Emory University School of Law, Atlanta, Georgia, Feb. 2004.

- “Thirty Years of the Endangered Species Act: What Have We Learned and Is It Enough?,” U.C. Davis Chancellor’s Club, Dec. 2003.
- “What Have We Learned? Overview of Findings,” symposium on “The Endangered Species Act at Thirty: Lessons and Prospects,” Donald Bren School of Environmental Science and Management, U.C. Santa Barbara, Nov. 2003.
- “The ESA and Science: How Close a Fit?,” panelist, conference on The Endangered Species Act Turns 30, sponsored by Lewis & Clark Law School and the American Bar Association Section on Energy, Environment, and Resources, Portland, Oregon, October 2003.
- “Living with Wolves The Law and Policy of Wolf Reintroduction and Dispersal,” part of a lecture series on Wolves and People, Seeking Common Ground, Wallace Stegner Center for Land, Resources, and the Environment, S.J. Quinney College of Law, University of Utah, Salt Lake City, Utah, September 2003.
- “Water and Endangered Species in the West: Legal Context,” Aspen Global Change Institute Conference on Learning from Regions: A Comparative Appraisal of Climate, Water, and Human Interactions in the Colorado and Columbia River Systems, Aspen, Colorado, June 2003.
- “Shaping the Future: The Dialectic of Law and Values,” Conference on Environmental Ethics and Policy: Bringing Philosophy Down to Earth, U.C. Davis School of Law, Davis, California, April 2003.
- “Biodiversity Law in the Marine Context,” Marine Science, Law, and Policy Seminar, Scripps Institution of Oceanography, San Diego, California, March 2003.
- “Takings and Transitions,” Environmental Workshop, Stanford Law School, Palo Alto, California, February 2003.
- “Reconnecting Land and Water,” Conference on Wet Growth: Should Water Law Control Land Use?, Chapman University School of Law, Orange, California, February 2003.
- Panelist, “Recent Environmental Law Developments in the U.S. Supreme Court and Ninth Circuit Court of Appeals,” California State Bar Environmental Law Section and Sacramento County Bar Environmental Law Section, Environmental Law Forum, Sacramento, California, January 2003.
- Panelist, “Recent Environmental Law Developments in the U.S. Supreme Court and Ninth Circuit Court of Appeals,” California State Bar, Environmental Law Section, 12th Annual Environmental Law Conference at Yosemite, California, October 2002.

- “Takings and Transitions,” Distinguished Lecture in Environmental Law, Florida State University College of Law, Tallahassee, Florida, October 2002.
- “Fish, Farms, and the Clash of Cultures in the Klamath Basin,” Faculty Workshop presentation, Florida State University College of Law, Tallahassee, Florida, October 2002.
- “The Role and Limits of Top-Down Regulatory Approaches in Biodiversity Conservation,” keynote address, European Forest Institute International Conference on Protecting Nature on Private Land – From Conflicts to Agreements, Lahti, Finland, June 2002.
- “Biodiversity and the Challenge of Saving the Ordinary,” presentation at Idaho Law Review Symposium on Biodiversity and Private Land, Boise, April 2002.
- “Constitutive Law and Environmental Policy,” presentation to Faculty Workshop, University of Minnesota School of Law, March 2002.
- “Constitutive Environmental Law,” presentation to Faculty Lunch Colloquium, U.C. Davis School of Law, February 2002.
- “Adopting Adaptive Management: Can We Meet the Scientific and Social Challenges?,” co-organizer and co-leader (with Dr. Frank W. Davis) of an interdisciplinary workshop at the Donald Bren School of Environmental Science and Management, U.C. Santa Barbara, May 2001.
- “Science and the Endangered Species Act,” Spring Colloquium presentation, Donald Bren School of Environmental Science and Management, U.C. Santa Barbara, April 2001.
- “Biodiversity in the 21st Century: Can Forest Managers Adequately Conserve Species in Private Forests?,” moderator of panel discussion, The Future of Our Forests, 15th Annual Environmental Law Conference, U.C. Davis School of Law, March 2001.
- “Science and Endangered Species Act Listing Decisions,” presentation to seminar class on Biodiversity and Endangered Species, Boalt Hall School of Law, University of California, Berkeley, February 2001.
- “The Journey and the Destination: The Role of Expressive Law in Environmental Policy,” Program in Environmental and Energy Law Speaker Series, Chicago-Kent College of Law, November 2000.
- “Water, Growth, and the Endangered Species Act,” Conference on Water and Growth in the West, Natural Resources Law Center, University of Colorado, Boulder, Colorado, June 2000.
- “Delisting Endangered Species,” Environmental and Natural Resources Workshop, Stanford University, Palo Alto, California, April 2000.

- “The Special Importance of Ordinary Places,” Keynote Speech, Strategies for Special Places, Sixth Annual Public Interest Environmental Conference, University of Florida College of Law, Gainesville, Florida, March 2000.
- “Nature Protection in the Modern World,” Faculty Colloquium, School of Law, Indiana University, Bloomington, February 2000.
- “The Rhetoric and Reality of Nature Protection: Toward a New Discourse,” Georgetown University Law Center Environmental Research Workshop, October 1999.
- “Protecting Property Versus Protecting the Environment: Must We Choose?,” moderator, Federal Bar Association Annual Meeting, Sacramento, Cal., Sept. 1999.
- “Species Reintroduction Programs,” 10th Institute for Natural Resources Law Teachers, sponsored by Rocky Mountain Mineral Law Foundation, Eastern Mineral Law Foundation, Southwestern Legal Foundation and ABA Section of Natural Resources, Energy, and Environmental Law, Las Vegas, Nevada, May 1999.
- “The Politics and Policy of Nature in California,” panelist, in conjunction with the 1999 Tanner Lecture on Human Values, U.C. Davis, May 1999.
- “Beyond Noah’s Ark,” Advanced Environmental Law and Policy Seminar, Harvard University Law School, Cambridge, Massachusetts, May 1999.
- “Restoring Endangered Species: The Importance of Being Wild,” Environmental Philosophy & Ethics Mini-Conference, sponsored by U.C. Davis Philosophy Department, May 1998.
- “Preserving Citizen Participation in the Era of Reinvention: The Endangered Species Act Example,” panelist, Power, Politics and Place: Who Holds the Reins of Environmental Regulation, sponsored by Ecology Law Quarterly, Boalt Hall School of Law, U.C. Berkeley, February 1998.
- “Take of Threatened and Endangered Species: Legislative Update,” panelist, Endangered Species in California: Evolving Regulations and Emerging Trends, sponsored by U.C. Davis University Extension, Land Use and Natural Resources Program, May 1997.
- “The Role of Science in Western Environmental Dispute Resolution,” panelist, Environmental Conflict Resolution in the West, sponsored by Udall Center for Studies in Public Policy, University of Arizona, Tucson, Arizona, April 1997.
- “Private Property Interests, Wildlife Restoration, and Competing Visions of a Western Eden,” panelist, Second Annual Stegner Center Symposium, Restoring Western Ecosystems and Communities, sponsored by Wallace Stegner Center, University of Utah College of Law, Salt Lake City, Utah, April 1997.

“Integrating Science and Decision Making in Public and Private Land-use Decisions,” panelist, Habitat Conservation and Endangered Species Protection: The Role of Science in Decision Making, sponsored by U.C. Davis and California Resources Agency, October 1996.

HONORS AND AWARDS:

Elected Fellow of the American Association for the Advancement of Science, 2016.

Edward W. Clyde Distinguished Scholar in Residence, University of Utah, S.J. Quinney College of Law, Salt Lake City, Utah, March 2005.

Elected to the American Law Institute, 2003.

Distinguished Lecturer in Environmental Law, Florida State University College of Law, Fall 2002.

U.C. Davis Chancellor’s Fellow, 2001-2006.

Bren Scholar, Donald Bren School of Environmental Science and Management, U.C. Santa Barbara, 2000-2002.

EXTRAMURAL FUNDING:

Principal Investigator, Regulatory Barriers to Innovation in Wastewater Management, U.S. Environmental Protection Agency, 2017, \$221,730.

Principal Investigator, Recharge Net Metering: Application and Evaluation of a Novel Approach to Achieving Sustainable Groundwater Supply and Quality, U.S. Department of Agriculture, National Institute of Food and Agriculture, \$463,338

Co-Principal Investigator, UC Water Security and Sustainability Research Initiative, University of California Office of the President, 2015-2018, \$3,529,750 (total; UCB share \$589,725).

Principal Investigator, Enforcement of Water Quality Laws and Regulations in the Wastewater Sector, California Association of Sanitation Agencies, 2014-2015, \$130,000.

Principal Investigator, Horizontal Levees in San Francisco Bay: Barriers and Opportunities for Multi-Benefit Infrastructure, The Nature Conservancy, 2015-2016, \$100,000.

Principal Investigator, Addressing Institutional Vulnerabilities to Climate Change: Drought as Stress Test for Water Allocation and Environmental Protection, California Energy Commission, Fourth Climate Change Assessment, 2016-2017, \$100,000.

Co-Principal Investigator, Responding to Rapid Environmental Change, National Science Foundation, Integrative Graduate Education, Research and Training (IGERT) Program, 2008-2013.

Co-Principal Investigator, Regional Agreements, Adaptation, and Climate Change: New approaches to FERC licensing in the Sierra Nevada, California, Resources Legacy Foundation Fund, \$400,000, 2006-2007.

Co-Principal Investigator, Biological Invasions: From Genes to Ecosystems, From Science to Society, National Science Foundation, Integrative Graduate Education, Research and Training (IGERT) Program, \$2.5 million, 2001-2006.

SERVICE:

Berkeley Law:

Associate Dean for Faculty Development and Research, 2015-2016

Director, Environmental Law Program, 2011-2015

Faculty Co-Director, Center for Law, Energy and the Environment, 2009-2018

Faculty Co-Director, Law of the Sea Institute, 2016-present; Associate Director 2012-2016

Faculty Appointments Committee, 2013-2014, 2014-2015 (co-chair), 2015-2016, 2018-2019

Merit Review Advisory Committee, 2015-2018

JSD/JSP/Legal Studies Review Committee, 2019

Disqualification Appeals Committee, 2020-2021

Search Committee, Assistant Clinical Professor and Director of the Environmental Law Clinic, Spring 2015

Search Committee, Energy Fellow (Chair), Spring 2015

Search Committee, Assistant Clinical Professor and Associate Director of the Samuelson Law, Technology and Public Policy Clinic, Fall 2013

Academic Placement Committee, 2012-2013

Curriculum Committee, 2009-2010, 2011-2012

Clinical and Skills Committee, 2011-2012

Disqualification Appeals Committee, 2011-2013

Tenure Review Committee for an Acting Professor of Law, fall 2010; fall 2011; fall 2020
Ad Hoc Committee for Appointment of an Adjunct Professor of Law, spring 2010
Judge for Thelen Marrin writing prize competition, spring 2010, spring 2012, spring 2013
Chair, Mid-Career Review Committee for an Acting Professor of Law, fall 2009
Mid-Career Review Committee for an Acting Professor of Law, spring 2009
Judge for Harmon Environmental Law Writing Prize competition, 2008 - 2011
Judge for Landis Prize in State or Local Government Law or Water Law, 2012 - 2016
Faculty Advisory Committee, Center for Law, Energy and the Environment, 2005 - present
Recruitment Advisory Committee for the Executive Director, California Center for
Environmental Law and Policy, 2005

UC Berkeley:

Search Committee for the Lau Chair in Sustainability, Spring 2021
Joint Academic and Administrative Task Force on Campus Finance, 2020-2021
Senate Committee on Academic Planning and Resource Allocation, 2016-2019, 2020-present
(Vice Chair, Spring 2018-Spring 2019, Fall 2020-present; Chair 2021-2022)
Strategic Plan Working Group on Sustainable Financial Strategies, Spring 2018
Campus Committee on Classroom Policy and Management, Spring 2019
Space Assignment and Capital Improvement Committee, 2018-2019
Search Committee, Vice Provost for Academic Planning, Spring 2018
University Partnership Program Advisory Committee, 2017-2018
Ad Hoc Tenure Review Committee, 2018
Naming Advisory Task Force 2017
Building Naming Project Task Force 2016-17
Task Force on Self-Supporting Graduate Professional Degree Programs, 2017
Ad Hoc Committee to Review an Administrator, 2017 (Chair)
Senate Committee on Diversity, Equity and Campus Climate (previously called the Committee
on the Status of Women and Ethnic Minorities), 2012-2015 (Vice Chair 2013-2015)
Committee to Review an Organized Research Unit (BiGCB), spring 2015
Memorial Resolution for Joseph Sax, fall 2014
Ad Hoc Committee to Review an Administrator, spring 2014
Ad Hoc Tenure Review Committee, 2012

UC Davis Law School:

Ad Hoc Bar Passage Committee, 2006-08
Library Committee, 2007-08
Faculty Appointments Committee, 1997-2000, 2001-03, 2006-07
Academic Appeals Committee, 1996-98, 1998-99 (alternate), 2002-04, 2008-09
Admissions Committee, 2003-04
First-year Curriculum Review Committee, 2003-04
Member, Tenure Committee for Acting Professor of Law, 2000-2003; 2008-2009
Chair, Tenure Committee for Acting Professor of Law, 2004-2007
Advisor for Environs, 1995-2000, 2001-2009
Advisor for Environmental Law Society, 1998-2000, 2001-2008
Faculty Advisor to the Environmental Negotiations Competition team, 2000, 2003, 2005
Law Review Advisor, 1995-98
Academic Senate Representative 1997-98 (alternate), 1998-99

University of California, Davis

Recruitment Advisory Committee for the Dean, School of Law, 2007-2008
School of Law Faculty Personnel Committee, 2007- 2009
Conservation Valuation Analyst Search Committee, 2007-2008
Science and Technology Studies Program Committee, 2008-2009
Environmental Historian Search Committee, 2006-07
Provost's Faculty Ideas Committee, 2006-2007
Ad Hoc Program Review Committee for the International Commercial Law Graduate Group, 2006.
Faculty Advisory Committee to the Provost on FTE Proposals, 2005.
Search Committee, Associate Vice Chancellor for Research and Director, John Muir Institute for the Environment, 2005.
Environmental Policy Degree Development Committee, 2003-2008
Committee to Develop a Master's Degree in Environmental Restoration, 2003-2005
Advisory Committee, John Muir Institute for the Environment, 2002-2008
Public Service Research Program Advisory Committee, 1996-2003 (chair 2000-2003)
Privilege and Tenure, Investigative Subcommittee, 2001-2004
Joint Steering Committee, UCD/Cal. EPA/Cal. Resources Agency MOU, 2000-2003

Recruitment Advisory Committee for the Dean – University Extension, 2000
Recruitment Advisory Committee for the Dean – School of Law, 1997-98
University of California Natural Reserve System, UCD Admin. Advisory Comm., 1998-2003
University Extension Land Use and Natural Resources Advisory Committee, 1997-2000
Biological Safety Administrative Advisory Committee, 1998-99
Task Force on Financial Feasibility of Campus Landfill Operations, 1997-98
Various *ad hoc* committees for promotion, retention, and employment review

University of California, Systemwide

University Committee on Planning and Budget, 2020-present
Task Force on Agriculture and Natural Resources Division, 2020-present
Task Force on Self-Supporting Graduate and Professional Degree Programs, 2020-present

Public and Professional

Editorial Board, Parks Stewardship Forum, 2020-present
NEPAccess Advisory Committee, University of Arizona, 2020-present
Rocky Mountain Mineral Law Foundation Natural Resources Law Teachers Institute, Planning Committee, 2020-2021
Half Earth Day 2019, Science Planning Committee, Berkeley, CA, October 2019
California Delta Social Science Task Force (convened by the Delta Stewardship Council), 2019-2020
California Water 101, Briefing for Members and Staff of the US House of Representatives Committee on Natural Resources, Washington, D.C., June 2019
Round Table, Defense of Science: Safeguarding Against Distortions of Scientific Research in Federal Policymaking, Washington, D.C., May 2019
Workshop on an Adaptive Management for an International River Basin: The Future of the Columbia River Treaty, Berkeley, CA, May 2019
Common Currents: Examining How We Govern the Ocean Commons, co-organizer, New York, NY, September 2018
Observer, International Seabed Authority, 24th Annual Session, Kingston, Jamaica, July 2018
Environmental Defense Fund / Nicholas Institute Workshop on ESA Habitat Protection, Washington, D.C., July 2018
Oceans and Climate Change Governance, Integrating Regulatory Initiatives & Addressing Governance Gaps, co-organizer, Malmo, Sweden, August 2017

Workshop on Freedom of Navigation and the Law of the Sea: The Indian Ocean and Pacific Ocean, US Naval War College, 2017

Coastal Act at 40 Symposium, co-organizer, Berkeley, CA, November 2016

Stress Testing the Law of the Sea: Dispute Resolution, Disasters and New Challenges, co-organizer, London, England, September 2016

Marine Environmental Protection in Asia: Regional Implementation of IMO Conventions, co-organizer, Singapore, August 2016

Judge, Secretary of the Navy Environmental Restoration Awards, 2015, 2017

Red Wolf Hybridization Workshop, Convened by US Fish and Wildlife Service, 2016

Workshop on the Ethics of Communicating Scientific Uncertainty, Environmental Law Institute, 2016

Parks for Science, Science for Parks Symposium co-organizer, 2015

Advisory Board, Journal of Ocean Law and Governance in Africa, 2015-present

Environmental Policy in the Anthropocene Workshop, The Property and Environmental Research Center, 2015

Committee to Review the Landscape Conservation Cooperatives, National Research Council, 2014-2015

Science Advisory Team, California Ocean Protection Council, 2014-2020

Discussant, Conference on Empirical Legal Studies, 2014

Chile-UC Partnership, Workshop on Water Management, 2014

Stanford/Yale/Harvard Junior Faculty Forum, Judge and Commentator, 2014

National Parks Roundtable, 2013

Adaptive Management Guidance Panel, Water Institute of the Gulf, 2013

Endangered Species Act at 40 Workshop, 2013

Defenders of Wildlife Litigation Committee, 2011-2017; Board of Directors, 2012-2017

California Sea Grant Program Advisory Board, 2011-2015

Senior Discussant, University of Washington Junior Environmental Law Scholars Workshop, July 2012; June 2016

United States Geological Survey, John Wesley Powell Center for Analysis and Synthesis, Working Group on Developing the Next Generation of USGS Resource Assessments, 2010-2011

Advisory Board, Natural Resources Journal, University of New Mexico, 2010-present

Meridian Institute, Coastal and Marine Spatial Planning Workshop, Washington, D.C., April 2010

Environmental Law Institute, Working Group on Cumulative Impacts, 2009-10
Co-author, comments suggesting changes to ESA consultation regulations on behalf of the Center for Progressive Reform, Aug. 2009
Witness, "California's Salmon Crisis," Hearing Before the California Assembly Committee on Water, Wildlife and Parks, March 2009
Assisted Migration Working Group, 2008-09
Principal author, comments on proposed revisions to the ESA consultation regulations on behalf of the Center for Progressive Reform, Oct. 2008
Ecosystem Services and California Policy: An Exploratory Workshop, Stanford University Woods Institute for the Environment, 2008
Ocean Management Legal Gap Analysis Project, Stanford Law School / Moore Foundation, 2006-2007
Convenor, Working Group on Science and Natural Resource Regulation, UC Davis, Oct. 2006
Board of Directors, Audubon California, 2000-2002; Conservation Policy Committee 2000-2003
CALFED Bay-Delta Program, Environmental Water Account Technical Review Panel, 2001-2004
Member Scholar, Center for Progressive Reform, 2003-2015
National Academy of Sciences / National Research Council, Committee to Assess the U.S. Army Corps of Engineers Methods of Analysis and Peer Review for Water Resources Project Planning: Panel on Adaptive Management for Resource Stewardship, 2002-04
National Academy of Sciences / National Research Council, Committee on Endangered and Threatened Species in the Platte River Basin, 2003-04
Facilitator, National Marine Fisheries Service Workshop on Considering Life History, Behavioral, and Ecological Complexity in Defining Conservation Units for Pacific Salmon, Seattle, March 2005
First Level Review Board, Land Use and Environment Law Review, 1996-2001
Second Level Review Board, Land Use and Environment Law Review, 2002-2015
Peer reviewer for a variety of book manuscripts, chapters, journal articles, book proposals, grant applications, and appointment, retention, and tenure reviews.

ADMISSION TO PRACTICE LAW:

Oregon 1991 (inactive); Ninth Circuit 1991