

**COMMITTEE ON NATURAL RESOURCES**  
**114<sup>th</sup> Congress Disclosure Form**  
**As required by and provided for in House Rule XI, clause 2(g)(5)**

**Legislative Hearing on H.R. 5032, H.R. 5430, H.R. 5468, and Discussion Draft of H.R. \_\_\_\_**  
**For Individuals:**

Name: David L. Strayer

Address: Cary Institute of Ecosystem Studies, [REDACTED]

Email Address: [REDACTED]

Phone Number: [REDACTED]

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**For Witnesses Representing Organizations:**

Name:

Name of Organization(s) You are Representing at the Hearing:

Business Address:

Business Email Address:

Business Phone Number:

\* \* \* \* \*

**For Nongovernment Witnesses ONLY:**

1. Please attach/include current curriculum vitae or resume. Appended below.
2. Please list any federal grants or contracts (including subgrants or subcontracts) related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the source and amount of each grant or contract.

(lead PI with Jon Cole, Stuart Findlay, Mike Pace, Emma Rosi-Marshall) "LTREB: Long-term effects of a species invasion on an aquatic ecosystem", National Science Foundation, \$450,000, 2011-2016

(co-PI with Martin Doyle and Dean Urban) "Habitat and connectivity for mussel populations: Dam and dam removal impacts", US Fish and Wildlife Service (subcontract from Duke University), \$48,623 (Cary share), 2011-2016

"OPUS: Developing a synthetic understanding of suspension-feeders, master switches in freshwater ecosystems", National Science Foundation, \$163,027, 2015-2017.

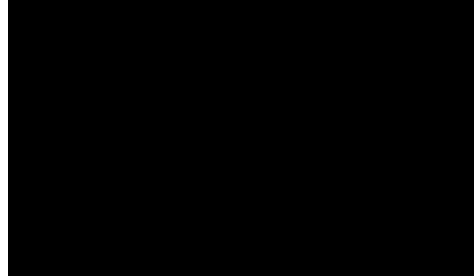
(lead PI with Jon Cole, Stuart Findlay, Mike Pace, Emma Rosi-Marshall, Chris Solomon) "Long-term effects of a species invasion on an aquatic ecosystem", National Science Foundation, \$450,000, 2016-2021

3. Please list any contracts or payments originating with a foreign government related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the amount and country of origin of each contract or payment.

“Long-term effects of invasive species in novel communities: comparative analyses of population dynamics, and phenotypic and genetic changes”, Mercator Fellowship, Deutsche Forschungsgemeinschaft (Germany), €26,025, 2015-2017

## CURRICULUM VITAE

**David L. Strayer**  
Distinguished Senior Scientist  
Cary Institute of Ecosystem Studies



### RESEARCH INTERESTS

Freshwater ecology; distribution and roles of freshwater invertebrates, especially bivalves; ecology of biological invasions; conservation ecology; shore zone ecology.

### EDUCATION

B.S. Zoology, Michigan State University, East Lansing, MI, 1976 (with high honor)

Ph.D. Ecology and Evolutionary Biology, Cornell University, Ithaca, NY, 1984

### PROFESSIONAL EXPERIENCE

Distinguished Senior Scientist (2013-), Senior Scientist (2004-2013), Scientist (1997-2004), Associate Scientist (1991-97), Assistant Scientist (1985-91), Postdoctoral Associate (1983-85), Cary Institute of Ecosystem Studies, Millbrook, NY.

Mercator Fellow, Deutsche Forschungsgemeinschaft, Free University of Berlin and Institut für Gewässerökologie und Binnenfischerei, 2015-2016

Adjunct member of graduate faculty, Wright State University, Dayton, OH, 2014-2019

Visitor, Laboratoire d'Écologie des Hydrosystèmes Fluviaux, Université de Lyon 1, France (Fall 2005)

Visiting Professor, Bard College, Annandale, NY (Spring 2004, Fall 2010)

Adjunct Professor, University at Albany, State University of New York (1997-)

Visiting Scholar, Ohio Northern University, Ada, OH (Fall 1996).

Associate Member of the Graduate Faculty in Ecology, Rutgers University, New Brunswick, NJ (1988- ).

Lecturer, Cornell University, Ithaca, NY (Spring 1983).

### PROFESSIONAL ACTIVITIES

## Editorial boards

*Ecology and Ecological Monographs*, 1991-94  
*Journal of the North American Benthological Society*, 1996-2005, 2006-2010  
*Malacological Review*, 1993-99  
*Northeastern Naturalist*, Guest Editor, 2002, 2014  
*Freshwater Biology*, Special Issues Editor, 2008-  
*Conservation Letters*, 2010-2013  
*Freshwater Mollusk Biology and Conservation (Walkerana)*, 2011-

## Memberships

Ecological Society of America  
Judge, Buell Award (several years)  
Association for the Sciences of Limnology and Oceanography  
Society for Freshwater Science (North American Benthological Society)  
Program Committee, 1987  
Annual Bibliography Committee, 1985-1989  
Judge, Student Awards (many years)  
Awards Committee, 1999-2002, 2015-2016 (chair 2001-2002, 2013-2014)  
Plenary Speaker, 2005  
JNABS Strategic Planning Committee (co-chair), 2008-2009  
Expert on Mollusca, NABS Taxonomic Certification Committee, 2011-  
President-Elect (2013-2014), President (2014-2015), Past President (2015-2016)  
Elections and Place Committee, 2015-2017 (chair 2015-2016)  
American Association for the Advancement of Science  
Elected AAAS Fellow, 2002  
International Society of Limnology  
Hudson River Environmental Society  
Member of Board, 1995-98  
International Association of Meiobenthologists  
Board of Correspondents, 1986-92  
Freshwater Mollusk Conservation Society

## Committees

Scientific Committee, Second International Meeting on Biology and Conservation of Freshwater Bivalves, Buffalo, NY, 2015  
Steering Committee, Lower Hudson Partnership for Invasive Species Management (PRISM), 2014  
Taxonomic Expert Team (Mollusks), Species of Greatest Conservation Need, New York State Department of Environmental Conservation, 2013-2014  
Interdisciplinary Invasive Species Scientific and Education Advisory Network, NY Invasive Species Clearinghouse and Cornell Cooperative Extension Statewide Invasive Species Outreach Education Program, 2011-  
Conservation Advisory Committee, Town of Washington, 2010-2013  
Member, Executive Committee, New York State Biodiversity Research Institute, 2010-2012  
Coordinating Committee, Sustainable Shorelines Initiative, Hudson River National Estuarine Research Reserve, 2009-  
Fisheries Subcommittee of the Hudson River Estuary Management Advisory Committee, New York State Department of Environmental Conservation, 2009-  
New York State Invasive Species Research Institute, Advisory Board, 2008-  
Comprehensive Plan Update Committee, Town of Washington, 2007-2012  
Invasive Species Program Work Team, Cornell Cooperative Extension, 2006-



NSF-NEON Invasive Species Subcommittee, 2005  
 The Nature Conservancy, "Conservation of Biological Diversity in the Hudson River Estuary" (steering committee), 2005  
 Hudson River Foundation, "Workshop to Develop a Research Agenda on Hudson River Key Species" (co-convenor), 2005  
 Scientific Peer Review panel, 2005 South Florida Environmental Report, South Florida Water Management District, 2004  
 Habitat Subcommittee of the Hudson River Estuary Management Advisory Committee, New York State Department of Environmental Conservation, 2003-  
 Advisory Board to the New York City Department of Environmental Protection Stream Management Program, 2002-2003  
 Technical Advisory Committee, Lower Columbia River Aquatic Nonindigenous Species Project, Portland State University, 2002-2004  
 Freshwater Gastropods of North America Editorial Committee, 1999-2001  
 NCEAS Working Group on The Ecological Consequences of Altered Hydrological Regimes, 2000-2001  
 Delaware River NAWQA Liaison Committee, United States Geological Survey, 1998-2000  
 The Nature Conservancy, Committee for Bioregional Planning, Lower New England-Northern Piedmont Ecoregion, 1999-2001  
 SCOPE Committee on Soil and Sediment Biodiversity and Ecosystem Functioning, 1997-99  
 American Fisheries Society Endangered Species Committee (Freshwater Mollusks Subcommittee), 1995-98  
 U.S. Army Corps of Engineers, Technical Advisory Committee on Habitat Restoration in the Hudson River, 1995-98  
 Environmental Oversight Committee for zebra mussel control, New York City Department of Environmental Protection, 1992-1995  
 Conservation Advisory Committee, Town of New Paltz, 1987-89  
 Nuclear Lake Management Committee, National Park Service, 1984-89

## Reviews

Manuscripts: *Ecology*, *Journal of Freshwater Ecology*, *Journal of the North American Benthological Society*, *Limnology and Oceanography*, *American Midland Naturalist*, *Evolution*, *Internationale Revue der gesamten Hydrobiologie*, *Freshwater Biology*, *Oecologia*, *Canadian Journal of Fisheries and Aquatic Sciences*, *Malacological Review*, *Hydrobiologia*, *Aquatic Conservation*, *Maryland Naturalist*, *Ecological Applications*, *North American Journal of Fisheries Management*, *Estuaries*, *Northeastern Naturalist*, *Biofouling*, *Archiv für Hydrobiologie*, *Journal of Great Lakes Research*, *Science*, *Nature*, *Regulated Rivers*, *Oikos*, *Nautilus*, *Conservation Biology*, *Journal of Natural History*, *American Malacological Bulletin*, *Canadian Journal of Zoology*, *BioScience*, *Walkerana*, *Aquatic Ecology*, *Proceedings of the Biological Society of Washington*, *Journal of Animal Ecology*, *Biological Invasions*, *Landscape Ecology*, *Biodiversity and Conservation*, *Acta Oecologica*, *Ecography*, *Polish Journal of Environmental Studies*, *Annales de Limnologie*, *Ecosystems*, *Ecological Modelling*, *Southeastern Naturalist*, *Fragmenta Faunistica*, *The Veliger*, *Diversity and Distributions*, *Biological Conservation*, *Environmental Management*, *Trends in Ecology and Evolution*, *Proceedings of the Royal Society Series B*, *Western North American Naturalist*, *Proceedings of the National Academy of Sciences*, *Southwestern Naturalist*, *Limnologica*, *Animal Biodiversity and Conservation*, *Diversity*, *Aquatic Sciences*, *Oceanologia*, *Journal of Molluscan Studies*, *Global Ecology and Biogeography*, *Transactions of the American Fisheries Society*, *Journal of Environmental Engineering*, *Journal of Ecology*, *Central European Journal of Biology*, *Marine and Freshwater Behaviour and Physiology*, *Animal Conservation*, *Endangered Species*

*Research, Ethology, Ecology and Evolution; Canadian Field Naturalist; New Phytologist; Geochimica et Cosmochimica Acta; Journal of the American Water Resources Association, Environmental Engineering Science, Journal of Biogeography, Freshwater Science, Acta Zoologica Bulgarica, Management of Biological Invasions, BioInvasions Records, Freshwater Mollusk Biology and Conservation, Environmental Science: Processes and Impacts, Functional Ecology, Ecology of Freshwater Fish; various book chapters, conference proceedings, book proposals, and books.*

Proposals: National Science Foundation (Ecosystems, Ecology, Systematic Biology, Population Biology, Geomorphology, Science and Technologies Center); Hudson River Foundation; CUNY Research Award Program; Research Corporation; The Nature Conservancy; National Research Council; Sea Grant, NERC (UK), USGS Species-at-Risk Program, National Geographic Society, Austrian Science Fund, NSERC, Wisconsin Water Resources Institute, Agence Nationale de la Recherche (France), Netherlands Organisation for Scientific Research.

Documents: US Environmental Protection Agency

Tenure or promotion reviews for 24 faculty at US or foreign universities through March 2016

#### Cary Institute committees

Retreat committee (chair), 1989-

Long-term financial management and planning committee, 2003-2004

Steering or advisory committee for Cary Conferences: 1987, 1989 (chair), 1995, 1997, 2001, 2003

Environmental monitoring committee, 1988-

Grievance committee, 1994-2007

Discussion group committee (chair), 2001-

Library committee, 2004-2007

Postdoctoral training committee (chair), 2005-2006, 2010-

Committee on joint Cornell-IES graduate program, 1994-1999

Affirmative action or workplace diversity committee, 1992-93, 2002-

Long-term studies committee, 1984-88

Several search committees

#### TEACHING EXPERIENCE

Ecology of the Hudson River, Bard College, 2004, 2010

Aquatic Ecology, Ohio Northern University, 1996

Limnology, Cornell University, 1983

Fundamentals of Ecosystem Ecology, Rutgers University, course coordinator (1989, 2003, 2007, 2010, 2016 [co-leader]) and participant (1989-2016)

Natural History and Identification of Freshwater Mollusks (1-day workshop), Cornell University, New York State Museum, American Museum of Natural History, New York State Department of Environmental Conservation, 1981-2008

Guest lectures in courses at various colleges and universities

#### POSTDOCTORAL ASSOCIATES ADVISED

Nils Carlsson, 2007-2008

Jonathan Jeschke, 2003-2005

#### STUDENTS SUPERVISED

Rita Grunberg, Ph.D. student, Rutgers University (minor member), 2015-

Nathaniel Marshall, Ph.D. student, University of Toledo (minor member), 2015-

Michael Smircich, M.S. student, University of Connecticut (minor member), 2014-2016

Stacey Wensink, M.S. student, Oakland University, 2014-2015 (minor member)  
 Hannah Voss Fazekas, Ph.D. student, Wright State University, 2013- (minor member)  
 Pearl Seidman, Ph.D. student, Fielding Graduate University, 2011-2015 (external examiner)  
 Matthew Fuller, Ph.D. student, Duke University, 2012- (member of committee)  
 Cornelia Harris, M.S. student, SUNY-Albany, 2010-2011 (co-chair)  
 Astrid Schwalb, Ph.D. student, University of Guelph, 2009 (external examiner)  
 Jonathan Jeschke, Ludwig-Maximilians-Universität, 2009-2011, (Habilitation Committee)  
 Sarah Roley, Ph.D. student, University of Notre Dame, 2009- 2012 (minor member)  
 James Fawcett, Ph.D. student, Griffith University, 2009 (external examiner)  
 Jane Catford, Ph.D. student, University of Melbourne, 2008 (external examiner)  
 Denise Mayer, Ph.D. student, SUNY-Albany, 2007-2011 (minor member)  
 John Wimbush, M.S. student, SUNY-Albany, 2008-09 (co-chair)  
 Angela Slagle, Ph.D. student, Columbia University, 2007 (minor member)  
 Martin Österling, Ph.D. student, Karlstad University, 2006 (faculty opponent)  
 Elena Traister, Ph.D. student, University of New Hampshire, 2006-2010 (minor member)  
 Nicole Maher, Ph.D. student, SUNY-Stony Brook, 2004-06 (minor member)  
 Nils Carlsson, Ph.D. student, Lund University, 2004 (faculty opponent)  
 Catherine Corey, M.S. student, SUNY-Albany, 1997-2003 (co-chair)  
 Dennis Skalla, M.S. student, Bard College, 2001-03 (minor member)  
 Mary Pat Budd, M.S. student, Bard College, 1996-98 (minor member)  
 Anneke Veenstra-Quah, Ph.D. thesis, Deakin University, 2000 (external examiner)  
 Margo Chase, Ph.D. thesis, University of Western Ontario, 1996 (external examiner)  
 Larry C. Boles, M.S. student, Virginia Institute of Marine Sciences, 1995-96 (minor member)  
 Eric Mellina, M.S. thesis, McGill University, 1993 (external examiner)  
 William Walton, M.S. thesis, Rutgers University, 1993 (minor member)  
 Richard D'Ermilio, senior thesis, SUNY-Purchase, 1985  
 Twenty-eight undergraduate summer fellows, 1988-2012  
 Several high school students

## HONORS AND AWARDS

- Mercator Fellow, Deutsche Forschungsgemeinschaft, Free University of Berlin and Institut für Gewässerökologie und Binnenfischerei (2015-2016)
- G.W. Minshall Lecturer, Idaho State University (2014)
- G.E. Hutchinson Chair in Ecology, Cary Institute of Ecosystem Studies (2013-2016)
- Elected President of the Society for Freshwater Science (2014-2015)
- Keynote speaker, International Meeting on the Biology and Conservation of Freshwater Bivalves, Braganza, Portugal, (2012)
- Opening keynote speaker, Second World Conference on Biological Invasions and Ecosystem Functioning, Mar del Plata, Argentina (2011)
- "Teacher's Choice Award" for River Ecology: Investigating the Effect of Zebra Mussels on the Hudson River project done in collaboration with the American Museum of Natural History (2011)
- Invited guest of graduate student associations at University of Georgia (Odum School of Ecology, 2010), University of North Carolina (Curriculum in Ecology, 2008), University of Notre Dame (Biological Sciences, 2006)
- L. Floyd Clarke Memorial Lecturer, University of Wyoming (2009)
- Kaeser Visiting Scholar (chosen by graduate students), University of Wisconsin (2007)
- Brown and Williamson Distinguished Speaker, University of Louisville (2006)
- Plenary speaker, annual meeting of NABS/AGU (2005)
- Elected as Fellow, American Association for the Advancement of Science (2002)

- Outstanding Environmental Researcher of the Year, Hudson River Environmental Society (2000)
- *Parvidrilus strayeri*, the first known representative of a new family of oligochaete worm, named in my honor by Christer Erséus (see Proc. Biol. Soc. Wash. 112: 327-337, 1999)
- New York State Library Research Resident (1988)
- Elected to full membership in Sigma Xi (1982)
- Sage Graduate Fellowship, Cornell University (1981-82)
- National Science Foundation Graduate Fellowship (1977-81)

## GRANTS

"The unionid mussels of the Clinton River basin," \$800, Endangered Species Program of the Michigan Department of Natural Resources, 1978.

"The invertebrate fauna of groundwater discharges in the mid-Hudson Valley," \$47,830, Hudson River Foundation, 1985-86.

"The freshwater mollusks of the Hudson River basin: a historical and ecological survey," \$13,200, Hudson River Foundation, 1985-86.

"Land and freshwater Mollusca of New York: revision and publication of a hitherto unpublished monograph by Henry Pilsbry," \$12,353, Hudson River Foundation, 1986.

(co-PI with G.E. Likens) "The Third Cary Conference: Comparative analyses of ecosystems: patterns, mechanisms, and theories," \$30,000, National Science Foundation, 1989.

"Rare and endangered freshwater mussels in New York," \$5,500, New York Natural Heritage Program, 1990.

"Ecology and zoogeography of groundwater invertebrates," \$160,000, National Science Foundation, 1990-92.

"The zoobenthos of the freshwater tidal Hudson River prior to the invasion of the zebra mussel, *Dreissena polymorpha*," \$168,895, Hudson River Foundation, 1990-93.

"The ecology of the dwarf wedge mussel," \$8,500, New York Natural Heritage Program, 1992.

(co-PI with S. Findlay) "Methods for conducting ecological surveys of large rivers," \$27,260, United States Geological Survey, 1992.

(co-PI with E. Mills and J. Carlton) "Biological invasions in the Hudson River: an historical analysis and assessment of faunal and floral changes due to anthropogenic activities," \$39,943, Hudson River Foundation, 1992-93.

"The zebra mussel: its spread and impact on benthic animals in the freshwater tidal Hudson River", Hudson River Foundation, \$212,584, 1993-96.

"The freshwater mussels of the Passaic River basin in New York", New York Natural Heritage Program, \$865, 1994.

"Range-wide assessment of populations of the dwarf wedgemussel (*Alasmidonta heterodon*), U.S. Fish and Wildlife Service, \$18,182, 1994.

"Developing predictive models of clam distribution in running waters", The Nature Conservancy, \$100,000, 1995-98.



(lead PI with N. Caraco, J. Cole, S. Findlay, and M. Pace) "Response and compensation to a bivalve invasion by an aquatic ecosystem", National Science Foundation, \$900,000, 1995-98.

"Freshwater mussels of the upper Susquehanna River basin in New York", New York State Department of Environmental Conservation, \$2,235, 1997.

"Freshwater mussels of Tonawanda Creek, New York", New York Natural Heritage program, \$2,000, 1998.

(co-PI with Stuart Findlay) "Ground-truthing and functional assessment of submersed aquatic vegetation", New York State Department of Environmental Conservation, \$357,266, 2000-2006.

(lead PI with K. Hattala and A. Kahnle) "Effects of the zebra mussel invasion on fish communities in the Hudson River", Hudson River Foundation, \$57,213, 2000-2001.

(lead PI with N. Caraco, J. Cole, S. Findlay, and M. Pace) "LTREB: Developing a long-term perspective on the response of an aquatic ecosystem to a bivalve invasion", National Science Foundation, \$300,000, 2000-2005.

"Combining geophysical and biological information to define benthic habitats in the Hudson River", New York State Department of Environmental Conservation, \$100,000, 2001-2002.

"Effects of the rusty crayfish invasion on freshwater mussels", The Nature Conservancy, \$7,258, 2001.

"Freshwater mussels of the Shawangunk Kill", New York Natural Heritage Program, \$1,800, 2001.

"Using species invasions to test the accuracy of bioclimatic models", National Science Foundation, \$224,633, 2003-2005.

(lead PI with N. Caraco, J. Cole, S. Findlay, and M. Pace) "LTREB: Long-term response of an ecosystem to an invasive species", National Science Foundation, \$300,000, 2005-2010

(lead PI with N. Caraco, J. Cole, S. Findlay, and M. Pace) "Freshwater flow and benthic grazing as controls on the Hudson River food web: a synthesis of long-term data", Hudson River Foundation, \$92,982, 2005-2006

(co-PI with A. Berkowitz and S. Findlay) Web-based tools linking students' and scientists' investigations of the Hudson River estuary", New York State Department of Environmental Conservation, \$105,000, 2006-2008

"Aquatic macroinvertebrate monitoring in Hudson River submerged aquatic vegetation", New York State Department of Environmental Conservation, \$14,768, 2006-2007

"Extent, timing, and causes of reproductive failure in freshwater mussels", Allan and Julie Shope, \$81,250, 2007-2012

(lead PI with S. Findlay) "Ecological functions of Hudson River shorelines", Hudson River Foundation, \$211,616, 2007-2009

“Ecology of non-marine shorelines”, New York State Department of Environmental Conservation, \$25,000, 2007-2008

“Extent, timing, and causes of reproductive failure in freshwater mussels in southeastern New York”, New York State Department of Environmental Conservation, \$99,121, 2008-2010

“Determining ecological flow needs of the federally endangered dwarf wedgemussel”, US Geological Survey, \$84,967, 2008-2010

(co-PI with Stuart Findlay), “Submerged aquatic vegetation change in the tidal freshwater Hudson River – linking function with fluctuation”, Hudson River Foundation, \$68,622, 2009-2013

(co-PI with Stuart Findlay) “Sustainable shorelines”, NOAA, \$40,000, 2009-2011

“Surveys for the dwarf wedgemussel in the Ten Mile River basin, New York”, USFWS, \$5,436, 2010

“Effects of nutrients on freshwater mussels”, Hudson Valley Foie Gras Company, \$50,000, 2010-2012

(co-PI with Alan Berkowitz, Charlie Canham, Stuart Findlay), “Data explorations in ecology project (DEEP)”, National Science Foundation, \$450,000, 2010-2013

(co-Investigator with Betsy Blair and nine others), “Sustainable shorelines along the Hudson River estuary: promoting resilient shorelines and ecosystem services in an era of rapid climate change” NOAA, \$814,155, 2010-2015

(lead PI with K. Hattala and A. Kahnle), “Recovery of the Hudson River fish community from the zebra mussel invasion”, Hudson River Foundation, \$69,396, 2011-2013

(lead PI with Jon Cole, Stuart Findlay, Mike Pace, Emma Rosi-Marshall) “LTREB: Long-term effects of a species invasion on an aquatic ecosystem”, National Science Foundation, \$450,000, 2011-2016

(co-PI with Martin Doyle and Dean Urban) “Habitat and connectivity for mussel populations: Dam and dam removal impacts”, US Fish and Wildlife Service, \$48,623 (Cary share), 2011-2016

“Decision-support tools to improve shore zone management”, Hudson River Foundation, \$35,711, 2013-2015

(co-PI with Eric Schultz) “Zebra mussel effects on diet of early-stage fishes in the Hudson River”, Hudson River Foundation, \$16,383 (Cary share), 2013-2015

(Collaborator with Robert Newton and Elisa Bone) “A Standard Protocol for Assessing the Habitat Quality of Ecologically Enhanced Urban Shorelines”, New York/New Jersey Harbor Estuary Program, \$10,248 (Cary share), 2014-2015

“OPUS: Developing a synthetic understanding of suspension-feeders, master switches in freshwater ecosystems”, National Science Foundation, \$163,027, 2015-2017.

(lead PI with Jon Cole, Stuart Findlay, Mike Pace, Emma Rosi-Marshall, Chris Solomon) “Long-term effects of a species invasion on an aquatic ecosystem”, National Science Foundation, \$450,000, 2016-2021

## PUBLICATIONS

## Monographs and books

- Strayer, D. 1985. The benthic micrometazoans of Mirror Lake, New Hampshire. *Archiv für Hydrobiologie Supplementband* 72:287-426.
- Strayer, D. 1987. Ecology and zoogeography of the freshwater mollusks of the Hudson River basin. *Malacological Review* 20:1-68.
- Mills, E.L., J.T. Carlton, M.D. Scheuerell, and D.L. Strayer. 1997. [Biological invasions in the Hudson River: an inventory and historical analysis](#). New York State Museum Circular 57: 1-51.
- Strayer, D.L., and K.J. Jirka. 1997. [The pearly mussels of New York state](#). *Memoirs of the New York State Museum* 26: 1-113 + 27 plates.
- Strayer, D.L., and L.C. Smith. 2001. The zoobenthos of the freshwater tidal Hudson River and its response to the zebra mussel (*Dreissena polymorpha*) invasion. *Archiv für Hydrobiologie Supplementband* 139: 1-52.
- Strayer, D.L., and D.R. Smith. 2003. A guide to sampling freshwater mussel populations. *American Fisheries Society Monograph* 8: 1-103.
- Waldman, J.R., K.E. Limburg, and D.L. Strayer (editors). 2006. Hudson River fishes and their environment. *American Fisheries Society Symposium* 51. 365 pp.
- Strayer, D.L. 2008. Freshwater mussel ecology: a multifactor approach to distribution and abundance. University of California Press. 204 pp.
- Strayer, D.L. 2012. The Hudson primer: the ecology of an iconic river. University of California Press. 207 pp.
- Weathers, K.C., Strayer, D.L., and G.E. Likens (editors). 2013. Fundamentals of ecosystem science. Academic Press. 312 pp. (Published in [Portuguese](#) in 2015)

## Journal Articles and Book Chapters

- Strayer, D. 1979. Some recent collections of mussels from southeastern Michigan. *Malacological Review* 12:93-95.
- Strayer, D. 1980. The freshwater mussels (Bivalvia: Unionidae) of the Clinton River, Michigan, with comments on man's impact on the fauna, 1870-1978. *The Nautilus* 94:142-149.
- Strayer, D.L. 1981. Notes on the microhabitats of unionid mussels in some Michigan streams. *American Midland Naturalist* 106:411-415.
- Strayer, D.L., Cole, J.J., Likens, G.E., and D.C. Buso. 1981. Biomass and annual production of the freshwater mussel *Elliptio complanata* in an oligotrophic softwater lake. *Freshwater Biology* 11:435-440.
- Cole, J.J., Likens, G.E., and D.L. Strayer. 1982. Photosynthetically-produced dissolved organic matter: an important carbon source for planktonic bacteria. *Limnology and Oceanography* 27:1080-1090.

- Strayer, D. 1983. The effects of surface geology and stream size on freshwater mussel distribution in southeastern Michigan, USA. *Freshwater Biology* 13:253-264.
- Strayer, D. 1983. *Piguetiella blanci*, a nauidid oligochaete new to North America, with notes on its relationships to *Piguetiella michiganensis* and *Specaria josinae*. *Transactions of the American Microscopical Society* 102:349-354.
- Strayer, D.L. 1984. The benthic micrometazoans of Mirror Lake, New Hampshire. Ph.D. Thesis, Cornell University, Ithaca, New York. 348 pp.
- Strayer, D.L. 1985. Benthic microinvertebrates. pp. 228-234 In: Likens, G.E. (ed.). *An ecosystem approach to aquatic ecology: Mirror Lake and its environment*. Springer-Verlag, New York.
- Moeller, R.E., Walter, R.A., Strayer, D.L., and B.J. Peterson. 1985. The littoral region. p. 311-317 In: Likens, G.E. (ed.). *An ecosystem approach to aquatic ecology: Mirror Lake and its environment*. Springer-Verlag, New York.
- Walter, R.A., Moeller, R.E., Strayer, D.L., and J.J. Cole. 1985. The profundal region. pp. 317-322 In: Likens, G.E. (ed.). *An ecosystem approach to aquatic ecology: Mirror Lake and its environment*. Springer-Verlag, New York.
- Strayer, D., and G.E. Likens. 1986. An energy budget for the zoobenthos of Mirror Lake, New Hampshire. *Ecology* 67:303-313.
- Strayer, D. 1986. The size structure of a lacustrine zoobenthic community. *Oecologia* 69:513-516.
- Strayer, D., Glitzenstein, J.S., Jones, C.G., Kolasa, J., Likens, G.E., McDonnell, M.J., Parker, G.G., and S.T.A. Pickett. 1986. Long-term ecological studies: an illustrated account of their design, operation, and importance to ecology. *Occasional Publication of the Institute of Ecosystem Studies* 2: 38 pp. (translated in part into Chinese in *Advances in Ecology* 5:51-55).
- Strayer, D., Pletscher, D.H., Hamburg, S.P., and S.C. Nodvin. 1986. The effects of forest disturbance on land gastropod communities in northern New England. *Canadian Journal of Zoology* 64:2094-2098.
- Strayer, D. 1986. An essay on long-term ecological studies. *Bulletin of the Ecological Society of America* 67:271-274.
- Likens, G.E., Cole, J.J., Kolasa, J., McAninch, J.B., McDonnell, M.J., Parker, G.G., and D.L. Strayer. 1987. Status and future of ecosystem science. *Occasional Publication of the Institute of Ecosystem Studies* 3:23 pp.
- Kolasa, J., Strayer, D., and E. Bannon-O'Donnell. 1987. Microturbellarians from interstitial waters, streams, and springs in southeastern New York. *Journal of the North American Benthological Society* 6:125-132.
- Strayer, D. 1988. Life history of a lacustrine ostracod. *Hydrobiologia* 160:189-191.
- Strayer, D. 1988. Crustaceans and mites (Acari) from hyporheic and other underground waters in southeastern New York. *Stygologia* 4:192-207.
- Strayer, D. 1988. New and rare copepods (Cyclopoida and Harpacticoida) from freshwater interstitial habitats in southeastern New York. *Stygologia* 4:279-291.



- Lodge, D.M., Barko, J.W., Strayer, D., Melack, J., Mittelbach, G.G., Howarth, R.W., Menge, B., and J.E. Titus. 1988. Spatial heterogeneity and habitat interactions in lake communities. pp. 181-208 In: Carpenter, S.R. (ed.). Complex interactions in lake communities. Springer-Verlag, New York. 283 pp.
- Strayer, D., and E. Bannon-O'Donnell. 1988. Aquatic microannelids (Oligochaeta and Aphanoneura) of underground waters of southeastern New York. *American Midland Naturalist* 119:327-335.
- Kolasa, J., and D. Strayer. 1988. Patterns of species abundance: a comparison of two hierarchical models. *Oikos* 53:235-241.
- Strayer, D. 1988. On the limits to secondary production. *Limnology and Oceanography* 33:1217-1220.
- McAninch, J.B., and D.L. Strayer. 1988. What are the tradeoffs between the immediacy of management needs and the longer process of scientific discovery? pp. 203-205 In: G.E. Likens (ed.). Long-term studies in ecology: approaches and alternatives. Springer-Verlag, New York.
- Cole, J.J., Caraco, N.M., Strayer, D.L., Nolan, S.S., and C. Ochs. 1989. An organic carbon budget of the epilimnion of an oligotrophic lake in mid-summer. *Limnology and Oceanography* 34:286-296.
- Strayer, D. 1990. Mollusks. pp. 335-372 In: Peckarsky, B.L., Fraissinet, P.R., Penton, M.A., and D.J. Conklin. Freshwater macroinvertebrates of northeastern North America. Cornell University Press, Ithaca, NY.
- Strayer, D. 1990. Oligochaetes. pp. 373-397 In: Peckarsky, B.L., Fraissinet, P.R., Penton, M.A., and D.J. Conklin. Freshwater macroinvertebrates of northeastern North America. Cornell University Press, Ithaca, NY.
- Strayer, D., and W.D. Hummon. 1991. Gastrotricha. pp. 177-189 In: Thorp, J.H., and A.P. Covich (eds.). Ecology and classification of North American freshwater invertebrates. Academic Press, Orlando, FL.
- Strayer, D. 1991. Notes on Lindeman's progressive efficiency. *Ecology* 72: 348-350.
- Strayer, D. 1991. Comparative ecology and undiscovered public knowledge. pp. 3-6 In: Cole, J.J., Findlay, S., and G.M. Lovett (eds.). Comparative analyses of ecosystems: patterns, mechanisms, and theories. Springer-Verlag, New York.
- Strayer, D. 1991. Projected distribution of the zebra mussel, *Dreissena polymorpha*, in North America. *Canadian Journal of Fisheries and Aquatic Sciences* 48: 1389-1395.
- Strayer, D. 1991. Perspectives on the size structure of the lacustrine zoobenthos, its causes, and its consequences. *Journal of the North American Benthological Society* 10: 210-221.
- Strayer, D., and J. Ralley. 1991. The freshwater mussels (Mollusca: Unionoidea) of the upper Delaware River basin, New York. *American Malacological Bulletin* 9: 21-25.
- Strayer, D.L., Jirka, K., and K.J. Schneider. 1991. Recent collections of freshwater mussels (Mollusca: Unionidae) from western New York. *Walkerana* 5: 63-72.
- Strayer, D.L., and E. O'Donnell. 1992. The hyporheic nematode community of some streams in southeastern New York. *Stygologia* 7: 143-148.

- Strayer, D.L., and L.C. Smith. 1993. The distribution of the zebra mussel *Dreissena polymorpha* in estuaries and brackish waters. pp. 715-727 In: T.F. Nalepa and D.W. Schloesser (eds.). Zebra mussels: biology, impact, and control. Lewis Publishers, Ann Arbor.
- Strayer, D.L., and J. Ralley. 1993. Microhabitat use by an assemblage of stream-dwelling unionaceans (Bivalvia), including two rare species of *Alasmidonta*. Journal of the North American Benthological Society 12: 247-258.
- Strayer, D.L. 1993. Macrohabitats of freshwater mussels (Bivalvia: Unionacea) in streams of the northern Atlantic Slope. Journal of the North American Benthological Society 12: 236-246.
- Strayer, D.L. 1993. Groundwater ecology. pp. 195-197 In: S.P. Parker (ed.). McGraw-Hill yearbook of science & technology. McGraw-Hill, New York.
- Findlay, S., Strayer, D.L., Goumbala, C., and K. Gould. 1993. Metabolism of streamwater dissolved organic carbon in the shallow hyporheic zone. Limnology and Oceanography 38: 1493-1499.
- Bianchi, T.S., Davis, G.M., and D. Strayer. 1994. An apparent hybrid zone between freshwater gastropod species *Elimia livescens* and *Elimia virginica* (Mesogastropoda: Pleuroceridae). American Malacological Bulletin 11: 73-78.
- Strayer, D.L. 1994. Limits to biological distributions in groundwater. pp. 287-310 In: J. Gibert, D. Danielopol, and J. Stanford (eds.). Groundwater ecology. Academic Press, San Diego.
- Reid, J.W., and D.L. Strayer. 1994. *Diacyclops dimorphus*, a new species of copepod from Florida, with comments on morphology of interstitial cyclopine cyclopoids. Journal of the North American Benthological Society 13: 250-265.
- Strayer, D.L. 1994. Body size and abundance of benthic animals in Mirror Lake, New Hampshire. Freshwater Biology 32: 83-90.
- Strayer, D.L. Hunter, D.C., Smith, L.C., and C. Borg. 1994. Distribution, abundance, and role of freshwater clams (Bivalvia: Unionidae) in the freshwater tidal Hudson River. Freshwater Biology 31: 239-248.
- Strayer, D., Nelson, D.R., and E.B. O'Donnell. 1994. Tardigrades from shallow groundwaters in southeastern New York, with the first record of *Thulinia Bertolani* from North America. Transactions of the American Microscopical Society 113: 325-332.
- Strayer, D.L., May, S.E., Nielsen, P., Wollheim, W., and S. Hausam. 1995. An endemic groundwater fauna in unglaciated eastern North America. Canadian Journal of Zoology 73: 502-508.
- Strayer, D.L., J. Powell, P. Ambrose, L.C. Smith, M.L. Pace, and D.T. Fischer. 1996. Arrival, spread, and early dynamics of a zebra mussel (*Dreissena polymorpha*) population in the Hudson River estuary. Canadian Journal of Fisheries and Aquatic Sciences 53: 1143-1149.
- Strayer, D.L., S. Sprague, and S. Claypool. 1996. A range-wide assessment of populations of *Alasmidonta heterodon*, an endangered freshwater mussel (Bivalvia: Unionidae). Journal of the North American Benthological Society 15: 308-317.
- Roditi, H.A., N.F. Caraco, J.J. Cole, and D.L. Strayer. 1996. Filtration of Hudson River water by the zebra mussel (*Dreissena polymorpha*). Estuaries 19: 824-832.

- Mills, E.L., D.L. Strayer, M.D. Scheuerell, and J.T. Carlton. 1996. Exotic species in the Hudson River basin - a history of invasions and introductions. *Estuaries* 19: 814-823.
- Palmer, M.A., and D.L. Strayer. 1996. Meiofauna. pp. 315-337 *In*: F.R. Hauer and G.A. Lamberti (eds.). *Stream ecology: field and laboratory exercises*. Academic Press, San Diego.
- Tartowski, S.L., and 10 others (including D.L. Strayer). 1996. Integration of species and ecosystem approaches to conservation. pp. 187-192 *in*: S.T.A. Pickett, R.S. Ostfeld, M. Shachak, and G.E. Likens (eds.). *Enhancing the ecological basis of conservation: heterogeneity, ecosystem function, and biodiversity*. Chapman and Hall, New York.
- Strayer, D.L., and L.C. Smith. 1996. Relationships between zebra mussels (*Dreissena polymorpha*) and unionid clams during the early stages of the zebra mussel invasion of the Hudson River. *Freshwater Biology* 36: 771-779.
- Strayer, D.L., S. Claypool, and S. Sprague. 1997. Assessing unionid populations with quadrats and timed searches. pp. 163-169 *In*: K.S. Cummings, A.C. Buchanan, C.A. Mayer, and T.J. Naimo (eds.). *Conservation and management of freshwater mussels II. Initiatives for the future*. Upper Mississippi River Conservation Committee.
- Caraco, N.F., J.J. Cole, P.A. Raymond, D.L. Strayer, M.L. Pace, S.E.G. Findlay, and D.T. Fischer. 1997. Zebra mussel invasion in a large, turbid river: phytoplankton response to increased grazing. *Ecology* 78: 588-602.
- Roditi, H.A., D.L. Strayer, and S.E.G. Findlay. 1997. Characteristics of zebra mussel (*Dreissena polymorpha*) biodeposits in a tidal freshwater estuary. *Archiv für Hydrobiologie* 140: 207-219.
- Strayer, D.L., S.E. May, P. Nielsen, W. Wollheim, and S. Hausam. 1997. Oxygen, organic matter, and sediment granulometry as controls on hyporheic animal communities. *Archiv für Hydrobiologie* 140: 131-144.
- Palmer, M.A., A.P. Covich, B. Finlay, J. Gibert, K.D. Hyde, R.K. Johnson, T. Kairesalo, P.S. Lake, C.R. Lovell, R.J. Naiman, C. Ricci, F.F. Sabater, and D.L. Strayer. 1997. Biodiversity and ecosystem function in freshwater sediments. *Ambio* 26: 571-577.
- Sparks, B.L., and D. L. Strayer. 1998. The effects of low dissolved oxygen on juveniles of *Elliptio complanata* (Bivalvia: Unionidae). *Journal of the North American Benthological Society* 17: 129-134.
- Strayer, D.L., L.C. Smith, and D.C. Hunter. 1998. Effects of the zebra mussel (*Dreissena polymorpha*) invasion on the macrobenthos of the freshwater tidal Hudson River. *Canadian Journal of Zoology* 76: 419-425.
- Strayer, D.L. 1999. Effects of alien species on freshwater mollusks in North America. *Journal of the North American Benthological Society* 18: 74-98.
- Strayer, D.L. 1999. Freshwater mollusks and water quality (editorial). *Journal of the North American Benthological Society* 18: 1
- Reid, J.W., D.L. Strayer, J.V. McArthur, S.E. Stibbe, and J.J. Lewis. 1999. *Rheocyclops*, a new genus of copepods from the southeastern and central United States (Crustacea: Cyclopoida: Cyclopidae). *Journal of Crustacean Biology* 19: 384-396.

- Strayer, D.L., and J.W. Reid. 1999. Distribution of hyporheic cyclopoids (Crustacea: Copepoda) in the eastern United States. *Archiv für Hydrobiologie* 145: 79-92.
- Strayer, D.L. 1999. Use of flow refuges by unionid mussels in rivers. *Journal of the North American Benthological Society* 18: 468-476.
- Strayer, D.L. 1999. The statistical power of presence-absence data to detect population declines. *Conservation Biology* 13: 1034-1038.
- Strayer, D.L., and A.R. Fetterman. 1999. Changes in the distribution of freshwater mussels (Unionidae) in the upper Susquehanna River basin, 1955-1997. *American Midland Naturalist* 142: 328-339.
- Strayer, D.L., N.F. Caraco, J.J. Cole, S. Findlay, and M.L. Pace. 1999. Transformation of freshwater ecosystems by bivalves: a case study of zebra mussels in the Hudson River. *BioScience* 49: 19-27.
- Strayer, D.L. 1999. Invasion of fresh waters by saltwater animals (comment). *Trends in Ecology and Evolution* 14: 448-449.
- Donley, S., L.C. Ferrington, and D.L. Strayer. 1999. The habitat of *Paraboreochlus* larvae (Diptera: Chironomidae). *Journal of the Kansas Entomological Society* 71: 501-504.
- Strayer, D.L. 2000. North American freshwater invertebrates: a research priority. Page 104 *In*: R. Abell et al. (eds.). *Freshwater ecoregions of North America: A conservation assessment*. Island Press.
- Marangelo, P.J., and D.L. Strayer. 2000. The freshwater mussels of the Tonawanda Creek basin in western New York. *Walkerana* 11: 97-106.
- Caraco, N.F., J.J. Cole, S.E.G. Findlay, D.T. Fischer, G.G. Lampman, M.L. Pace and D.L. Strayer. 2000. Dissolved oxygen declines in the Hudson River associated with the invasion of the zebra mussel (*Dreissena polymorpha*). *Environmental Science and Technology* 34: 1204-1210.
- Strayer, D.L., and L.C. Smith. 2000. Macroinvertebrates of a rocky shore in the freshwater tidal Hudson River. *Estuaries* 23: 359-366.
- Strayer, D.L. 2001. Endangered freshwater invertebrates. Pages 425-439 *In*: S.A. Levin (editor). *Encyclopedia of biodiversity*, Volume 2. Academic Press.
- Limburg, K.E., D.P. Swaney, and D.L. Strayer. 2001. River ecosystems. Pages 213-231 *In*: S.A. Levin (editor). *Encyclopedia of biodiversity*, Volume 5. Academic Press.
- Strayer, D.L., and W.D. Hummon. 2001. Gastrotricha. Pages 181-194 *In*: J.H. Thorp and A.P. Covich (editors). *Ecology and classification of freshwater invertebrates of North America*. Second edition. Academic Press.
- Strayer, D.L. 2001. Ecology and distribution of hyporheic microannelids (Oligochaeta, Aphanoneura, and Polychaeta) from the eastern United States. *Archiv für Hydrobiologie* 151:493-510.
- Levin, L., D.F. Boesch, A. Covich, C. Dahm, C. Erséus, K.C. Ewel, R.T. Kneib, A. Moldenke, M.A. Palmer, P. Snelgrove, D. Strayer, and J. M. Weslawski. 2001. The function of marine critical transition zones and the importance of sediment biodiversity. *Ecosystems* 4: 430-451.

- Hakenkamp, C.C., A. Morin, and D.L. Strayer. 2002. The functional importance of freshwater meiofauna. Pages 321-335 *In*: S.D. Rundle, A.L. Robertson, and J.M. Schmid-Araya (eds.). Freshwater meiofauna: biology and ecology. Backhuys.
- Boulton, A., C.C. Hakenkamp, M.A. Palmer, and D.L. Strayer. 2002. Freshwater meiofauna and surface water – sediment linkages: a conceptual framework for cross-system comparisons. Pages 241-259 *In*: S.D. Rundle, A.L. Robertson, and J.M. Schmid-Araya (eds.). Freshwater meiofauna: biology and ecology. Backhuys.
- Ladd, J.W., R.E. Bell, E.A. Blair, H. Bokuniewicz, S. Carbotte, R.M. Cerrato, S. Chillrud, V.L. Ferrini, R.D. Flood, N.P. Maher, C.M.G. McHugh, F.O. Nitsche, W.B.F. Ryan, D.L. Strayer, J. Thissen, and R. Versteeg. 2002. Mapping the Hudson estuary's submerged lands. *Clearwaters* 32(1): 5-7.
- Gutiérrez, J.L., C.G. Jones, D.L. Strayer, and O.O. Iribarne. 2003. Mollusks as ecosystem engineers: their functional roles as shell producers in aquatic habitats. *Oikos* 101: 79-90.
- Strayer, D.L., H. Ewing, and S. Bigelow. 2003. What kinds of spatial and temporal detail are required in models of heterogeneous systems? *Oikos* 102: 654-662.
- Strayer, D.L., M.E. Power, W.F. Fagan, S.T.A. Pickett, and J. Belnap. 2003. A classification of ecological boundaries. *BioScience* 53: 723-729.
- Strayer, D.L., R.E. Beighley, L.C. Thompson, S. Brooks, C. Nilsson, G. Pinay, and R.J. Naiman. 2003. Effects of land-cover change on stream ecosystems: roles of empirical models and scaling issues. *Ecosystems* 6: 407-423.
- Cottingham, K.L., D.L. Bade, Z.G. Cardon, C.M. D'Antonio, C.L. Dent, S.E.G. Findlay, W.K. Lauenroth, K.M. LoGiudice, R.S. Stelzer, and D.L. Strayer. 2003. Increasing modeling savvy: strategies to advance modeling skills for professionals within ecology. Pages 428-436 *In*: C.D. Canham, J.J. Cole, and W.K. Lauenroth (editors). *Models in ecosystem science*. Princeton University Press.
- Strayer, D.L., C. Lutz, H.M. Malcom, K. Munger, and W.H. Shaw. 2003. Invertebrate communities associated with a native (*Vallisneria americana*) and an alien (*Trapa natans*) macrophyte in a large river. *Freshwater Biology* 48: 1938-1949.
- Strayer, D.L., K. Hattala, and A. Kahnle. 2004. Effects of an invasive bivalve (*Dreissena polymorpha*) on fish populations in the Hudson River estuary. *Canadian Journal of Fisheries and Aquatic Sciences* 61: 924-941.
- Klocker, C., and D.L. Strayer. 2004. Interactions among an invasive crayfish (*Orconectes rusticus*), a native crayfish (*Orconectes limosus*) and native bivalves (Sphaeriidae and Unionidae). *Northeastern Naturalist* 11: 167-178.
- Strayer, D.L., J.A. Downing, W.R. Haag, T.L. King, J.B. Layzer, T.J. Newton, and S.J. Nichols. 2004. Changing perspectives on pearly mussels, North America's most imperiled animals. *BioScience* 54: 429-439.
- Jeschke, J., and D.L. Strayer. 2005. Invasion success of vertebrates in Europe and North America. *Proceedings of the National Academy of Sciences* 102: 7198-7202.



- Jackson, J.K., A.D. Huryn, D.L. Strayer, D. Courtemanch, and B.W. Sweeney. 2005. Atlantic rivers – Northeastern states. Pages 20-71 *In*: A.C. Benke and C.E. Cushing (editors). Rivers of North America. Academic Press.
- Nitsche, F.O., R. Bell, S.M. Carbotte, W.B.F. Ryan, R. Flood, V. Ferrini, A. Slagle, C. McHugh, S. Chillrud, T. Kenna, D. Strayer, and R. Cerrato. 2005. High-resolution mapping of the Hudson River estuary reveals new insights on sedimentary processes and benthic habitats. *EOS* 86: 225-229.
- Strayer, D.L., E.A. Blair, N.F. Caraco, J.J. Cole, S. Findlay, W.C. Nieder, and M.L. Pace. 2005. Interactions between alien species and restoration of large-river ecosystems. *Archiv für Hydrobiologie Supplementband* 155: 133-145.
- Strayer, D.L. 2005. A beginner's key to freshwater meiofauna. Expert systems key posted at [http://www.ecostudies.org/meiofauna\\_key.html](http://www.ecostudies.org/meiofauna_key.html).
- Daniels, R.A., K.E. Limburg, R.E. Schmidt, D.L. Strayer, and R.C. Chambers. 2005. Changes in fish assemblages in the tidal Hudson River, New York. Pages 471-503 *In*: Rinne, J. N., R. M. Hughes, and B. Calamusso (eds.). Historical changes in large river fish assemblages of America. American Fisheries Society Symposium 45. Bethesda, Maryland.
- Doyle, M.W., E.H. Stanley, D.L. Strayer, R.B. Jacobson, and J.C. Schmidt. 2005. Dominant discharge analysis of ecological processes in streams. *Water Resources Research* 41: article number W11411 (16 pages).
- Strayer, D.L. 2005. Challenges in understanding the functions of ecological heterogeneity. Pages 411-425 *In*: G.M. Lovett, C.G. Jones, M.G. Turner, and K.C. Weathers (eds.). Ecosystem function in heterogeneous landscapes. Springer-Verlag.
- Strayer, D.L., H.M. Malcom, R.E. Bell, S. Carbotte, and F. Nitsche. 2006. Combining geophysical and biological information to define benthic habitats in the Hudson River. *Freshwater Biology* 51: 25-38.
- Strayer, D.L., and H.M. Malcom. 2006. Long-term demography of a zebra mussel (*Dreissena polymorpha*) population. *Freshwater Biology* 51: 117-130.
- Palmer, M.A., D.L. Strayer, and S.D. Rundle. 2006. Meiofauna. Pages 415-433 *In*: F.R. Hauer and G.A. Lamberti (eds.). Stream ecology: field and laboratory exercises. Second edition. Academic Press.
- Caraco, N.F., J.J. Cole, and D.L. Strayer. 2006. Top down control from the bottom: Regulation of eutrophication in a large river by benthic grazing. *Limnology and Oceanography* 51: 664-670.
- Strayer, D.L. 2006. Alien species in the Hudson River. Pages 296-310 *In*: J.S. Levinton and J.R. Waldman (eds.). The Hudson River estuary. Cambridge University Press.
- Strayer, D.L. 2006. The benthic animal communities of the tidal-freshwater Hudson River estuary. Pages 266-278 *In*: J.S. Levinton and J.R. Waldman (eds.). The Hudson River estuary. Cambridge University Press.
- Corey, C.A., R. Dowling, and D.L. Strayer. 2006. Display behavior of *Ligumia* (Bivalvia: Unionidae). *Northeastern Naturalist* 13: 319-332.
- Jeschke, J.M., and D.L. Strayer. 2006. Determinants of vertebrate invasion success in Europe and North America. *Global Change Biology* 12: 1608-1619.

- Strayer, D.L. 2006. Challenges for freshwater invertebrate conservation. *Journal of the North American Benthological Society* 25: 271-287. (Rosemary Mackay Fund article)
- Strayer, D.L., V.T. Eviner, J.M. Jeschke, and M.L. Pace. 2006. Understanding the long-term effects of species invasions. *Trends in Ecology and Evolution* 21: 645-651.
- Waldman, J., K. Limburg, and D. Strayer. 2006. The Hudson River environment and its dynamic fish community. *In: J.R. Waldman, K.E. Limburg, and D.L. Strayer (editors). Hudson River fishes and their environment. American Fisheries Society Symposium* 51: 1-7.
- Meyer, J.L., D.L. Strayer, J.B. Wallace, S.L. Eggert, G.S. Helfman, and N.E. Leonard. 2007. The contribution of headwater streams to biodiversity in river networks. *Journal of the American Water Resources Association* 43: 86-103.
- Strayer, D.L., and H.M. Malcom. 2007. Effects of zebra mussels (*Dreissena polymorpha*) on native bivalves: the beginning of the end or the end of the beginning? *Journal of the North American Benthological Society* 26: 111-122.
- Strayer, D.L., and H.M. Malcom. 2007. Submersed vegetation as habitat for invertebrates in the Hudson River estuary. *Estuaries and Coasts* 30: 253-264.
- Strayer, D.L., and H.M. Malcom. 2007. Shell decay rates of native and alien freshwater bivalves and implications for habitat engineering. *Freshwater Biology* 52: 1611-1617.
- Kelly, V.R., G.M. Lovett, K.C. Weathers, S. Findlay, D.L. Strayer, D.J. Burns, and G.E. Likens. 2008. Long-term sodium chloride retention in a rural watershed – legacy effects of road salt on streamwater concentration. *Environmental Science and Technology* 42: 410-415.
- Perkins, S.E., S. Altizer, O. Bjornstad, J.J. Burdon, K. Clay, L. Gomez-Aparicio, J.M. Jeschke, P.T.J. Johnson, K.D. Lafferty, C.M. Malmstrom, P. Martin, A. Power, D.L. Strayer, P.H. Thrall, and M. Uriarte. 2008. Invasion biology and parasitic infections. Pages 179-204 *In: R.S. Ostfeld, F. Keesing, and V.E. Eviner (editors). Infectious disease ecology: effects of ecosystems on disease and of disease on ecosystems. Princeton University Press.*
- Strayer, D.L., M.L. Pace, N.F. Caraco, J.J. Cole, and S.E.G. Findlay. 2008. Hydrology and grazing jointly control a large-river food web. *Ecology* 89: 12-18.
- Newton, T.J., D.A. Woolnough, and D.L. Strayer. 2008. Using landscape ecology to understand freshwater mussel populations. *Journal of the North American Benthological Society* 27: 424-439.
- Strayer, D.L. 2008. A new widespread morphological deformity in freshwater mussels from New York. *Northeastern Naturalist* 15: 149-151.
- Jeschke, J.M., and D.L. Strayer. 2008. Are threat status and invasion success two sides of the same coin? *Ecography* 31: 124-130.
- Jeschke, J.M., and D.L. Strayer. 2008. Usefulness of bioclimatic models for studying climate change and invasive species. *Annals of the New York Academy of Sciences (The Year in Ecology and Conservation Biology)* 1134: 1-24.

- Strayer, D.L. 2009. Twenty years of zebra mussels: lessons from the mollusk that made headlines. *Frontiers in Ecology and the Environment* 7: 135-141. ("Recommended" by Faculty of 1000)
- Strayer, D.L. 2009. Gastrotricha. Pages 317-322 *In*: G.E. Likens (editor). *Encyclopedia of Inland Waters*, Volume 2. Elsevier.
- Strayer, D.L. 2009. Benthic invertebrate fauna, lakes and reservoirs. Pages 191-204 *In*: G.E. Likens (editor). *Encyclopedia of Inland Waters*, Volume 2. Elsevier.
- Carlsson, N.O.L., and D.L. Strayer. 2009. Intraspecific variation in the consumption of exotic prey – a mechanism that increases biotic resistance against invasive species? *Freshwater Biology* 54: 2315-2319.
- Carlsson, N.O.L., O. Sarnelle, and D.L. Strayer. 2009. Native predators and exotic prey – an acquired taste? *Frontiers in Ecology and the Environment* 7: 525-532.
- Strayer, D.L. 2010. Alien species in fresh waters: ecological effects, interactions with other stressors, and prospects for the future. *Freshwater Biology* 55 (Supplement 1): 152-174.
- Strayer, D.L., and D. Dudgeon. 2010. Freshwater biodiversity conservation: recent progress and future challenges. *Journal of the North American Benthological Society* 29: 344-358.
- Strayer, D.L., and S.E.G. Findlay. 2010. The ecology of freshwater shore zones. *Aquatic Sciences* 72: 127-163.
- Strayer, D.L., W.D. Hummon, and R. Hochberg. 2010. Gastrotricha. Pages 163-172 *In*: J.H. Thorp and A.P. Covich (editors). *Ecology and classification of freshwater invertebrates of North America*. Third edition. Academic Press.
- Kornijów, R., D.L. Strayer, and N.F. Caraco. 2010. Macroinvertebrate communities of hypoxic habitats created by an invasive plant (*Trapa natans*) in the freshwater tidal Hudson River. *Fundamental and Applied Limnology* 176: 199-207.
- Pace, M.L., S.E. Hampton, K.E. Limburg, E.M. Bennett, E.M. Cook, A.E. Davis, J.M. Grove, K.Y. Kaneshiro, S.L. LaDeau, G.E. Likens, D. McKnight, D.C. Richardson, and D.L. Strayer. 2010. Communicating with the public: opportunities and rewards for individual scientists. *Frontiers in Ecology and the Environment* 8: 292-298.
- Pace, M.L., D.L. Strayer, D.T. Fischer, and H.M. Malcom. 2010. Increased mortality of zebra mussels associated with recovery of zooplankton in the Hudson River. *Ecosphere* 1(1):art3. doi:10.1890/ES10-00002.1.
- Dunn, H.L., and D.L. Strayer. 2010. Overview of sampling techniques for freshwater mussels. Pages 98-106 *in*: S. McMurray and H. Dunn (eds). *Regional fauna identification and sampling workshop*. Freshwater Mollusk Conservation Society.
- Strayer, D.L., N. Cid, and H.M. Malcom. 2011. Long-term changes in a population of an invasive bivalve and its effects. *Oecologia* 165: 1063-1072. (featured in Science Now: <http://news.sciencemag.org/sciencenow/2011/01/musseled-out-native-species-retu.html?ref=hp>)
- Simberloff, D., and 140 others (including D.L. Strayer). 2011. Non-natives: 141 scientists object. *Nature* 475: 36.



- Carlsson, N.O.L., H. Bustamante, D.L. Strayer, and M.L. Pace. 2011. Biotic resistance on the move: native predators structure invasive zebra mussel populations. *Freshwater Biology* 56: 1630-1637.
- Poff, N.L., J.D. Olden, and D.L. Strayer. 2011. Climate change and freshwater extinction risk. Pages 309-336 *In: L. Hannah (ed.). Saving a Million Species: Extinction Risk from Climate Change*. Island Press.
- Jeschke, J.M., L.G. Aparicio, S. Haider, T. Heger, C.J. Lortie, P. Pyšek, and D.L. Strayer. 2012. Support for major hypotheses in invasion biology is uneven and declining. *Neobiota* 14: 1-20.
- Strayer, D.L., S.E.G. Findlay, D. Miller, H.M. Malcom, D.T. Fischer, and T. Coote. 2012. Biodiversity in Hudson River shore zones: influence of shoreline type and physical structure. *Aquatic Sciences* 74: 597-610.
- Strayer, D.L., and H.M. Malcom. 2012. Causes of recruitment failure in freshwater mussel populations in southeastern New York. *Ecological Applications* 22: 1780-1790.
- Jeschke, J.M., L.G. Aparicio, S. Haider, T. Heger, C.J. Lortie, P. Pyšek, and D.L. Strayer. 2012. Taxonomic bias and lack of cross-taxonomic articles in invasion biology. *Frontiers in Ecology and the Environment* 10: 349-350.
- Strayer, D.L. 2012. Eight questions about invasions and ecosystem functioning. *Ecology Letters* 15: 1199-1210.
- Strayer, D.L. 2013. Secondary production and consumer energetics. Pages 53-74 *In: K.C. Weathers, D.L. Strayer, and G.E. Likens (editors). Fundamentals of ecosystem science*. Academic Press.
- Weathers, K.C., D.L. Strayer, and G.E. Likens. 2013. Introduction. Pages 1-23 *In: K.C. Weathers, D.L. Strayer, and G.E. Likens (editors). Fundamentals of ecosystem science*. Academic Press.
- Weathers, K.C., H.A. Ewing, C.G. Jones, and D.L. Strayer. 2013. Controls on ecosystem structure and function. Pages 215-230 *In: K.C. Weathers, D.L. Strayer, and G.E. Likens (editors). Fundamentals of ecosystem science*. Academic Press.
- Bechtold, H.A., J. Durán, D.L. Strayer, K.C. Weathers, A.P. Alvarado, N.D. Bettez, M.A. Hersh, R.C. Johnson, E.G. Keeling, J.L. Morse, M.A. Previtali, and A. Rodríguez. 2013. Frontiers in ecosystem science. Pages 279-296 *In: K.C. Weathers, D.L. Strayer, and G.E. Likens (editors). Fundamentals of ecosystem science*. Academic Press.
- Findlay, S.E.G., and D.L. Strayer. 2013. A primer on biologically mediated redox reactions in ecosystems. Pages 297-301 *In: K.C. Weathers, D.L. Strayer, and G.E. Likens (editors). Fundamentals of ecosystem science*. Academic Press.
- Strayer, D.L. 2013. Endangered freshwater invertebrates. Pages 176-187 in Volume 3 of S.A. Levin (editor). *Encyclopedia of biodiversity*, Second edition. Academic Press.
- Limburg, K.E., D.P. Swaney, and D.L. Strayer. 2013. River ecosystems. Pages 469-484 *In: S.A. Levin (editor). Encyclopedia of biodiversity*, Second edition. Elsevier.
- Strayer, D.L., and H.M. Malcom. 2014. Long-term change in the Hudson River's bivalve populations: a history of multiple invasions (and recovery?). Pages 71-81 *In: T.F. Nalepa and D.W. Schloesser (editors). Quagga and Zebra Mussels: Biology, Impacts, and Control*. Second edition.

- Harris, C., D.L. Strayer, and S. Findlay. 2014. The ecology of freshwater wrack along natural and engineered Hudson River shorelines. *Hydrobiologia* 722: 233-245.
- Sousa, R., A. Novais, R. Costa, and D.L. Strayer. 2014. Invasive bivalves in fresh waters: impacts from individuals to ecosystems and possible control strategies. *Hydrobiologia* 735: 233-251.
- Strayer, D.L. 2014. Understanding how nutrient cycles and freshwater mussels (Unionoida) affect one another. *Hydrobiologia* 735: 277-292.
- Nakano, D., and D.L. Strayer. 2014. Biofouling animals in fresh water: ecology, impacts, and ecological engineering. *Frontiers in Ecology and the Environment* 12: 167-175.
- Findlay, S., D.L. Strayer, S. Smith, and N. Curri. 2014. Magnitude and patterns of change in submerged aquatic vegetation of the tidal freshwater Hudson River. *Estuaries and Coasts*. 37: 1233-1242.
- Strayer, D.L., K.A. Hattala, A.W. Kahnle, and R.D. Adams. 2014. Has the Hudson River fish community recovered from the zebra mussel invasion along with its forage base? *Canadian Journal of Fisheries and Aquatic Sciences* 71: 1146-1157.
- Strayer, D.L., J.J. Cole, S.E.G. Findlay, D.T. Fischer, J.A. Gephart, H.M. Malcom, M.L. Pace, and E.J. Rosi-Marshall. 2014. Decadal-scale change in a large-river ecosystem. *BioScience* 64: 496-510.
- Teixeira, M.C., M.P. Budd, and D.L. Strayer. 2014. Responses of epiphytic aquatic macroinvertebrates to hypoxia. *Inland Waters* 5: 75-80.
- Strayer, D.L., E. Kiviat, S.E.G. Findlay, and N. Slowik. 2015. Vegetation of rip-rapped revetments along the freshwater tidal Hudson River, New York. *Aquatic Sciences* 78: 605-614.
- Fuller, M.R., Doyle, M.W., and D.L. Strayer. 2015. Causes and consequences of habitat fragmentation in river networks. *Annals of the New York Academy of Sciences (The Year in Ecology and Conservation Biology)*. 1355: 31-51.
- Strayer, D.L., D. Miller, and S.E.G. Findlay. 2015. Effects of shore type and physical complexity on fishes living along built shorelines in the Hudson River, New York. In manuscript.
- Nedean, E.J., and D.L. Strayer. 2015. The freshwater mussels (Unionoida) of the Housatonic River basin in western New England. In manuscript.
- Strayer, D.L., and S.E.G. Findlay. 2015. Ecological performance of Hudson River shore zones: what we know and what we need to know. *In*: D.M. Bilkovic, M. Mitchell, J. Toft, and M. La Peyre (editors). *Living Shorelines: The Science and Management of Nature-based Coastal Protection*. Taylor and Francis. In review.
- Smircich, M.G., D.L. Strayer, and E.T. Schultz. 2016. Feeding ecology of early stage Striped Bass (*Morone saxatilis*) over 25 years in the Hudson River estuary. *Environmental Biology of Fishes*. In review.
- O'Neil, J.M., D. Taille, B. Walsh, W.C. Dennison, E.K. Bone, D.J. Reid, R. Newton, D.L. Strayer, K. Boicourt, L.B. Birney, and S. Janis. 2016. New York Harbor: resilience in the face of four centuries of development. *Regional Studies in Marine Science*. In review.
- Natesan, S., and D.L. Strayer. 2016. Long-term increases in shell thickness of zebra mussels (*Dreissena polymorpha*) in the Hudson River. *Fundamental and Applied Limnology*. In review.

## Book reviews

- Strayer, D. 1983. The freshwater molluscs of Canada (A.H. Clarke). *American Scientist* 71:547-538.
- Strayer, D. 1984. Dynamics of lotic ecosystems (Fontaine, T.D., and S.M. Bartell, eds.). *American Scientist* 72:201.
- Strayer, D. 1984. Sandy beaches as ecosystems (McLachlan, A., and T. Erasmus, eds.). *American Scientist* 72:630.
- Strayer, D. 1988. The Hudson River ecosystem (Limburg, K.E., Moran, M.A., and W.H. McDowell). *Journal of the North American Benthological Society* 7:69-70.
- Strayer, D. 1989. Fresh-water invertebrates of the United States, third edition (R.W. Pennak). *Journal of the North American Benthological Society* 8:372-373.
- Strayer, D.L. 1994. A treatise on limnology. Volume IV. The Zoobenthos (G.E. Hutchinson). *Ecology* 75: 1520-1521
- Strayer, D.L. 1995. Aquatic ecology: scale, pattern and process (P.S. Giller, A.G. Hildrew, and D.G. Raffaelli, eds.). *Journal of the North American Benthological Society* 14: 458-459.
- Strayer, D.L. 2000. The ecology of freshwater molluscs (R.T. Dillon). *Nature* 406: 126.
- Keeling, E., Bettez, N., Harris, C., Hersh, M., Notin, K., Previtali, A., Rosi-Marshall, E., Strayer, D., and R. Wildova. 2010. Laws, theories, and patterns in ecology. (W. Dodds). *Ecoscience* 17: 225.
- Strayer, D.L. 2013. North American freshwater mussels: natural history, ecology, and conservation (W.R. Haag). *Freshwater Biology* 58: 1069.

## Pieces in popular media

- "On the River", WTZA television, Kingston, NY, subject of 15-minute piece on zebra mussels, June 1993
- Strayer, D.L. 2000. Nature nurtures the unexpected. *Poughkeepsie Journal*, 1 Jan 2000, page E7
- "Tracking long-term zebra mussel changes," subject of radio program by Mark Brodie, Great Lakes Radio Consortium (aired throughout Great Lakes states on public radio stations, July 2002, available at <http://www.glrc.org/transcripts/2002/07/22/brodie.htm>)
- Strayer, D.L. 2003. [The aliens that ate the Hudson River](#). *Clearwater Navigator* September/October 2003: 1, 3.
- Meyer, J.L., L.A. Kaplan, D. Newbold, D.L. Strayer, C.J. Woltemade, J.B. Zedler, R. Beilfuss, Q. Carpenter, R. Semlitsch, M.C. Watzin, and P.H. Zedler. 2003. Where rivers are born: the scientific imperative for defending small streams and wetlands. *American Rivers and the Sierra Club*, Washington, DC. 23 pp. (updated and re-released 2007) <http://www.americanrivers.org/newsroom/resources/where-rivers-are-born.html>



- "The remarkable population boom of zebra mussels and their effects in the Hudson," subject of a 15-minute radio program on Hudson River Radio, aired on 13 stations in New York City and the Hudson Valley (available at [www.hudsonriver.vassar.edu/Archives.html](http://www.hudsonriver.vassar.edu/Archives.html)).
- Strayer, D. 2004. Pearly mussels are well worth closer inspection. *Poughkeepsie Journal*, 11 July 2004. (reprinted in Hudson Valley Green Times, June 2007)
- Strayer, D.L. 2004. The crisis for freshwater invertebrates. *Wings* 27 (2): 6-11.
- "Swim for the river" movie (2006); 4-minute interview on invasive species on DVD extras for the movie ([www.swimfortheriver.com](http://www.swimfortheriver.com)).
- Strayer, D. 2007. Flooding is caused by more than just rainfall. *Poughkeepsie Journal*, 22 April 2007, Page B1.
- Strayer, D. 2007. There's no scientific tide against evolution. *Poughkeepsie Journal* (letter to the editor), 24 May.
- Strayer, D. 2007. Pearly mussels are well worth closer inspection. *Hudson Valley Green Times*, Spring (reprinted from the *Poughkeepsie Journal*).
- "The amazing life of pearly mussels", subject of 15-minute segment on "Planet Blue", WVKR radio, Poughkeepsie, NY, July 2007.
- Strayer, D. 2007. [Protect tiny tributaries to preserve Hudson's health](#). *Poughkeepsie Journal*, 2 Sept.
- Strayer, D. 2007. [No free lunch with hydropower](#). *Poughkeepsie Journal*, 9 December.
- Strayer, D. 2008. [Two cheers for invasive species policy](#). *Poughkeepsie Journal*, 3 Feb.
- "The Hudson River and invasive species", main subject of 30-minute radio show on "Radio Rotary, WHVW-AM, 29 Feb (<http://rotary7210.com/radiorotary/radiorotary8.mp3> ).
- Strayer, D. 2008. [Chinese mitten crabs: invasive species found in Hudson](#). *Poughkeepsie Journal*, 30 Mar.
- Strayer, D. 2008. [The mussel in the rainforest](#). *Millbrook Matters*, 2 June (<http://www.millbrookmatters.org/article.php?aid=74>). (Reprinted in the *Poughkeepsie Journal*, 29 June).
- Strayer, D. 2008. [Shutting down the Ballast Water Express](#). *Poughkeepsie Journal*, 7 December.
- Strayer, D. 2009. [Rising human demand for fresh water on course to put other species at risk](#). *Poughkeepsie Journal*, 18 January.
- Strayer, D. 2009. [Ground water is essential](#). *Poughkeepsie Journal*, 1 March.
- Strayer, D. 2009. [Lost worlds](#). *Poughkeepsie Journal*, 29 March.
- Strayer, D. 2009. Emerging freshwater invaders for New York. 25-minute video available at <http://www.youtube.com/watch?v=hkRawuJxmGU>.
- Strayer, D., and E. McNeil. 2009. Avoiding the transport of invasive species by seaplane. *Water Flying* 172: 18-25.

- Strayer, D. 2009. [Four hundred years of change in Henry's Hudson](#). Four-part series in the *Poughkeepsie Journal*, August 2, 9, 16, 23.
- Strayer, D. 2009. [Fish out of their own water](#). *Poughkeepsie Journal*, 6 December.
- Cole, J., and D. Strayer. 2010. [Breathing lessons: life without oxygen](#). *Poughkeepsie Journal*, 3 January.
- Strayer, D. 2010. [Invasive species in the Hudson Valley: yesterday, today, and tomorrow](#). *Poughkeepsie Journal*, 31 January.
- Strayer, D. 2010. [Remembrance of \(some\) things past](#). *Poughkeepsie Journal*, 9 May.
- Findlay, S., and D. Strayer. 2010. [Shorelines: where people meet their river](#). *Poughkeepsie Journal*, 20 June.
- Strayer, D. 2010. [Theme and variations on the ocean](#). *Poughkeepsie Journal*, 18 July.
- Strayer, D., and G. Lovett. 2010. [Ash trees face die-off as Asian pest spreads](#). *Poughkeepsie Journal*, 10 Oct.
- McNeil, E., and D. Strayer. 2010. A checklist to help stop the spread: a procedure to avoid transporting invasive species by seaplane. *Water Flying* 181: 18-25.
- Strayer, D. 2010. Cuts to DEC are foolhardy (letter to the editor). *Poughkeepsie Journal*, 3 November.
- Strayer, D. 2011. [Scenes from a vanishing planet](#). *Poughkeepsie Journal*, 13 March.
- Strayer, D. 2011. [The Ecosystem Strikes Back, or Return of the Natives](#). *Poughkeepsie Journal*, 24 April.
- Strayer, D. 2011. [Halt the wild boar menace](#). *Poughkeepsie Journal*, 4 June.
- “River Ecology: Investigating the Effect of Zebra Mussels on the Hudson River”; website for middle school students, <http://www.amnh.org/education/resources/rfl/web/riverecology/> (I was part of the team that developed this website)
- Strayer, D. 2011. [Don't ream the stream](#). *Poughkeepsie Journal*, 23 October.
- [Strayer, D.L., L. Tumblety, and S. Findlay]. 2011. [Managing shorelines for ecological benefits](#). 2-page brochure.
- Strayer, D. 2011. [More action needed to stop invasive species](#). *Poughkeepsie Journal*, 19 November.
- Strayer, D. 2012. [Be on the lookout for the beauty of ice](#). *Poughkeepsie Journal*, 15 January.
- Radio interview about “The Hudson Primer: The Ecology of an Iconic River” on “The Roundtable”, WAMC-Albany, 24 Jan 2012  
[http://www.publicbroadcasting.net/wamc/wamc/news.newsmain?action=article&ARTICLE\\_ID=1896950](http://www.publicbroadcasting.net/wamc/wamc/news.newsmain?action=article&ARTICLE_ID=1896950)
- Strayer, D. 2012. [Seeing ghosts](#). *Poughkeepsie Journal*, 29 January.
- Strayer, D. 2012. [Pets gone wild](#). *Poughkeepsie Journal*, 25 March.



- Strayer, D. 2012. [The dirty truth about unpaved roads](#). *Poughkeepsie Journal*, 20 May.
- Strayer, D. 2012. [The rain in Spain flows mainly through the floodplain](#). *Poughkeepsie Journal*, 3 June.
- Strayer, D. 2012. [A few thoughts about science and the future of the Hudson River](#) (video of public lecture of August 2012).
- Strayer, D. 2012. Science on the Hudson River. Half-hour interview on Radio Rotary, 16 November 2012. <http://www.radiorotary.org/cms/2012/11/the-hudson-river-today-aired-on-november-16-2012/>.
- Strayer, D. 2012. [What's for Thanksgiving dinner?](#) *Poughkeepsie Journal*, 18 November.
- Strayer, D. 2012. [The real Hunger Games](#). *Poughkeepsie Journal*, 2 December.
- Strayer, D., and G. Lovett. 2012. [How do you solve a problem like invasives?](#) *Poughkeepsie Journal*, 16 December.
- Quoted on 11 episodes of the “Earthwise” radio program ([www.earthwiseradio.org](http://www.earthwiseradio.org) +14 radio stations), 2012-2014.
- Strayer, D. 2013. [Are invasive species killing us?](#) *Poughkeepsie Journal*, 31 March.
- Strayer, D. 2013. [Considering the evidence on climate change](#). *Poughkeepsie Journal*. 5 May.
- Strayer, D. 2013. [How green is your grass?](#) *Poughkeepsie Journal*. 30 June.
- Strayer, D. 2013. [See the world](#). *Poughkeepsie Journal*, 21 July.
- Strayer, D. 2013. [A mollusk of mystery](#). *Poughkeepsie Journal*, 20 October.
- Strayer, D., and J. Waldman. 2013. [Beware marauding carp](#). *New York Times*, 20 November.
- Strayer, D. 2014. [Sycamores](#). *Poughkeepsie Journal*, 13 March.
- [Quillen, L., and D. Strayer]. 2014. [Species profiles: zebra mussels, water-chestnut, phragmites, and mute swans](#). *Poughkeepsie Journal*, 6 July.
- Strayer, D. 2014. [World of species right here on the Hudson](#). *Poughkeepsie Journal*, 13 July.
- Interview for podcast “Macroinvertebrates”, Dutchess County No Child Left Inside, [http://dutchessncli.com/garden\\_street/#podcast\\_macro](http://dutchessncli.com/garden_street/#podcast_macro).
- Strayer, D. 2014. [The road from Eden](#). *Poughkeepsie Journal*, 10 August.
- Strayer, D. 2014. [Holy Toledo, or Water, Water Everywhere](#). *Poughkeepsie Journal*, 17 August.
- Strayer, D. 2014. [Cleaning up the Clean Water Act](#). *Poughkeepsie Journal*. 15 Sept.
- Strayer, D. 2014. [Will any eft be left?](#) *Poughkeepsie Journal*, 23 November.
- Strayer, D. 2015. Air-conditioning was not really Pope’s point (letter to the editor). *Poughkeepsie Journal*, 1 July.

- Strayer, D.L., L. Tumblety, and the Hudson River Sustainable Shorelines Project Team. 2015. [Managing shore zones for ecological benefits \(handbook\)](#). 64 pp.
- Strayer, D. 2015. [What good are clams, anyway?](#) *Poughkeepsie Journal*, 12 July.
- Strayer, D. 2015. [Reflections on a man of Merritt](#). *Poughkeepsie Journal*, 11 October.
- Strayer, D. 2015. [The other blue planet](#). *Poughkeepsie Journal*, 25 October.
- Strayer, D. 2016. [Living where the sun doesn't shine](#). *Poughkeepsie Journal*. 3 Jan.
- Strayer, D. 2016. [De-extinction is a risky ecological experiment](#). Ecotone (blog of the Ecological Society of America). 19 Feb.
- Strayer, D. 2016. Interview with the 300-year-old clam. *Poughkeepsie Journal*, 8 May.

5/16

