



Key Qualifications

Ms. Peers is a physical geographer with over 18 years of experience researching environmental impacts of contamination and climate change. Her work focuses on industrial contamination, impacts of mining and oil and gas production, aquatic and terrestrial toxicity, ecological services, restoration planning, ecological and human health impacts of climate change, and tribal natural resources. Ms. Peers has developed exposure and toxicological effects models; designed litigation-quality relational databases; performed ecological research and analysis; provided scientific litigation support; designed and coordinated field research; provided National Environmental Protection Act (NEPA) support; and written, reviewed, and presented scientific reports. She has supported clients on more than 20 natural resource damage assessments (NRDAs) from preliminary assessment phases to settlement and litigation phases. Ms. Peers has also conducted numerous trainings for her clients on environmental sampling methods and the European Environmental Liability Directive (ELD).

Education

MA, University of Colorado, Boulder, Geography, 2000

BA, Middlebury College, Environmental Studies, 1995

School for International Training, Semester in St. Petersburg, Russia, 1994

Expertise

- NRDA and ELD
- Restoration planning
- Impacts of climate change
- Hydrology
- Toxicology
- Ecological risk

Other Experience

- Conversant in Spanish
- Basic/conversant in Russian
- Level I Microsoft Access Training, 2006

Professional Experience

Abt Associates, Boulder, CO

- Senior Associate/Scientist (2017–present)
- Associate/Scientist (2016–2017)

Stratus Consulting, Boulder, CO

- Managing Scientist (2009–2016)
- Senior Scientist (2006–2009)
- Senior Associate (2003–2005)
- Associate (2000–2003)

Highlighted Project Work

ELD Training

Client: European Commission Directorate-General for Environment

Ms. Peers provided support to the European Commission on the Environmental Liability Directive (2004/35/EC) of the European Parliament. She has conducted introductory training events for nongovernmental organizations and operator representatives, and led advanced case study trainings for the Greek Ministry of the Environment and the Portuguese Environment Agency. Ms. Peers co-edited *Equivalency Methods for Environmental Liability* (Springer; 2018).

Multiple NRDAs, United States

Clients: U.S. Federal Agencies, State Agencies, Native American Tribes

At Abt Associates (Abt), Ms. Peers provides state, federal, and tribal clients with technical and strategic support on NRDAs. Her experience includes settlement and litigation support, high-level training, environmental study design and implementation, and presenting scientific information for a range of audiences, including writing and editing technical and lay reports. In her career, she has worked on over 20 U.S. NRDAs, including the *Deepwater Horizon* Oil spill in the Gulf of Mexico.



Selected Trainings

- Lipton, J. and J. Peers. 2016. Environmental Liability Directive Advanced Case Study Two-Day Training. Presented at Agência Portuguesa do Ambiente, Lisbon, Portugal. September 27-28.
- Lipton, J. and J. Peers. 2015. Environmental Liability Directive Advanced Case Study Two-Day Training. Presented at Ministry of Environment and Energy, Athens, Greece. October 15–16.
- Özdemiroglu, E. and J. Peers. 2015. Environmental Liability Directive Introductory One-Day Training. Presented at European Environmental Bureau, Brussels, Belgium. September 14.
- Peers, J. and E. Brans. 2015. Environmental Liability Directive Introductory One-Day Training. Presented at European Chemistry Industry Council, Brussels, Belgium. September 16.
- Peers, J., D. Chapman, K. Ritter, S. Kniffen, and J. Donatuto. 2013. Natural Resource Damage Assessment Overview Training. Presented at the Tribal Lands and Environment Forum, Pueblo of Santa Ana, NM. August 19–22.

Selected Presentations and Publications

- Lipton, J., E. Özdemiroglu, D. Chapman, and J. Peers (eds.) 2018. *Equivalency Methods for Environmental Liability: Assessing Damages and Compensation Under the European Environmental Liability Directive*. Dordrecht, The Netherlands: Springer.
- Unrein, J.R., J.M. Morris, R.S. Chitwood, J. Lipton, J. Peers, S. van de Wetering, and C.B. Schreck. 2016. Pacific lamprey ammocoetes (*Entosphenus tridentata*) exposed to contaminated Portland Harbor sediments: Method development and effects on survival, growth, and behavior. *Environmental Toxicology and Chemistry* 35(8):2092-102. doi: 10.1002/etc.3367.
- Schwartz, J.D., M. Lee, P.L. Kinney, S. Yang, D. Mills, M.C. Sarofim, R. Jones, R. Streeter, A. St. Juliana, J. Peers, and R.M. Horton. 2015. Projections of temperature-attributable deaths in 209 U.S. cities using a cluster-based Poisson approach. *Environmental Health* 14:85. doi: 10.1186/s12940-015-0071-2. Available: <http://www.ehjournal.net/content/14/1/85>.
- USAID. 2015. *Working with Marginal Populations: An Annex to the USAID Climate-Resilient Development Framework*. Prepared by E.R. Carr and K.N. Owusu-Daaku (University of South Carolina), and N. Damodaran and J. Peers (Stratus Consulting) for the United States Agency for International Development. September. Available <http://www.ccrdproject.com/crd-framework/annex-working-with-marginal-populations>.
- USAID. 2015. *Climate Change and Coastal Zones: An Annex to the USAID Climate-Resilient Development Framework*. Prepared by J.M. Vogel, C. Wobus, A. St. Juliana, and J. Peers (Stratus Consulting); Y. Kim (Engilty/IRG); and M. Haws (University of Hawaii) for the United States Agency for International Development. March. Available <http://www.ccrdproject.com/crd-framework/annex-climate-change-and-coastal-zones>.
- Hughes, J., J. Peers, L. Senkyr, and J. Thompson. 2012. Restoration Planning for the Portland Harbor Superfund Site. Presented at the Tenth Annual Urban Ecology and Conservation Symposium. Portland, OR. February 24.
- Morris, J., J. Peers, J. Lipton, C. Schreck, R. Chitwood, and J. Unrein. 2012. Contaminated Sediment Affects Burrowing Behavior of Pacific Lamprey (*Lampetra tridentata*)



- Ammocoetes. Presented at the 33rd Annual Meeting of Society of Environmental Toxicology and Chemistry, Long Beach, CA. November 11–15.
- Maest, A. and J. Peers. 2011. Potential Environmental Impacts of Hydraulic Fracturing and Produced Waters: Surface Effects. Presented at Hydraulic Fracturing: A Wyoming Energy Forum, Laramie, WY. September 26.
- Morris, J., J. Peers, J. Lipton, C. Schreck, R. Chitwood, and J. Unrein. 2011. Toxicity of Portland Harbor Sediments to Pacific Lamprey Ammocoetes (*Lampetra tridentata*). Presented at the 32nd Annual Meeting of Society of Environmental Toxicology and Chemistry, Boston, MA. November 13–17.
- Peers, J. and K. Ritter. 2011. Natural Gas Development: Potential Contamination Sources, Pathways and Monitoring. Presented at the Colorado Water & Energy Research Center Scientific Workshop: Potential Effects of Natural Gas Development on Water and Air in the West. Boulder, CO. October 18.
- Chapman, D., J. Peers, and E. Horsch. 2010. Working to Protect Our Resources for Future Generations: Natural Resource Restoration. Presented at the 2010 EPA Region 10 Tribal Leaders Summit. Juneau, AK. September 2.
- Peers J., J. Morris, J. Lipton, C. Schreck, R Chitwood, and J. Unrein. 2010. Toxicity of Portland Harbor Sediments to Pacific Lamprey Ammocoetes (*Lampetra tridentata*): Experimental Design. Presented at the 31st Annual Meeting of Society of Environmental Toxicology and Chemistry, Portland, OR. November 7–11.
- Holmes, J., A. Maest, and J. Peers. 2008. Quantifying Groundwater Injury and Service Loss in Natural Resource Damage Assessments. Abstract. Annual International Conference on Soils, Sediments and Water. October 20–23.
- Peers, J., J. Holmes, D. Beltman, B. Whetsell, T. Heavisides, and T. Rettig. 2008. Framework for Service Loss Quantification: A GIS-Based Approach Integrating Service Loss across Multiple Contaminants and Multiple Resources. Presented at the 29th Annual Meeting of Society of Environmental Toxicology and Chemistry, Tampa, FL. November 16–20.
- Strange, L., J. Lipton, M. Lefer, J. Henderson, and J. Hazen. 2003. A Framework for Evaluating Effects of Drought and Other Global Stressors on Ecosystem Services of the South Platte Basin. Presentation at workshop on Assessing the Impacts of Prolonged Severe Drought on Aquatic Ecosystems and Water Quality in the South Platte River Basin, Colorado State University, Fort Collins, CO. April 3.
- Hazen, J.M., M.W. Williams, B. Stover, and M. Wireman. 2002. Characterisation of acid mine drainage using a combination of hydrometric, chemical and isotopic analyses, Mary Murphy Mine, Colorado. *Environmental Geochemistry and Health* 24(1):1–22.
- Strange, E.M., K. LeJeune, R. Jones, J. Hazen, and M. Lefer. 2001. A Framework for Evaluating Effects of Global Stressors on Aquatic Ecosystem Services. Presentation to the Global Change Research Program, U.S. Environmental Protection Agency, Washington, DC. March 1.
- Davies, G.J., M. Wireman, B.K. Stover, and J. Hazen. 2000. Mary Murphy’s chest pains: Resorting to geological angioplasty to study specific metals loading at a high-altitude mine site. *Geological Society of America Abstracts with Programs* 32(7):362.