

## CURRICULUM VITAE

Christopher R. Perkins

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### EDUCATION

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Ph.D. Candidate *current* in Pathobiology and Veterinary Science, University of Connecticut, Storrs  
M.S. 1996 in Natural Resources Management and Engineering, University of Connecticut, Storrs  
(concentration in Wildlife Toxicology)  
B.S. 1989 in Pathobiology, University of Connecticut, Storrs

### PROFESSIONAL EXPERIENCE

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1999-Present	Academic Assistant II/ Laboratory Director	University of Connecticut, Storrs Center for Environmental Sciences & Engineering University of Connecticut, Storrs
2002-2007	Outreach Program Manager	Connecticut River Airshed Watershed Consortium – CRAWC University of Connecticut, Storrs
2001-2007	Outreach Program Manager	Hazardous Substance Research Center TOSC/ TAB program, USEPA Region 1
1998 – 1999	Research Assistant III	Environmental Research Institute University of Connecticut, Storrs
1995-1998	Technical Assistant III	Environmental Research Institute University of Connecticut, Storrs
1989-1991	Research Associate	Department of Neurosurgery Hartford Hospital, Hartford, CT

### APPOINTMENTS/ CERTIFICATIONS

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Environmental Laboratory Director, Certified by CT Department of Public Health  
Society for Environmental Toxicology and Chemistry, Student Advisory Board  
BioDiversity Research Institute, Science Council  
Marine Environmental Research Institute, Technical Advisory Board  
Wildlife Conservation Research Center, University of Connecticut, Technical Advisory Board

### PROFESSIONAL SOCIETIES/

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The Society of Environmental Toxicology and Chemistry  
The Society of Environmental Toxicology and Chemistry, North Atlantic Chapter

### PUBLICATIONS

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Innis, C., C. Merigo, K. Dodge, M. Tlusty, C. Perkins, T. Herdt. 2010. Health Evaluation of Leatherback Turtles (*Dermochelys coriacea*) in the Northwestern Atlantic During Direct Capture and Fisheries Gear Disentanglement. *Chelonian Conserv Bio. Accepted for Publication.*

Wise, J.P. Sr., R. Payne, S.S. Wise, C. LaCerte, J. Wise, C. Gianios, Jr., C. Perkins, T. Zheng, C. Zhu, I. Kerr. 2010. Sperm Whales as Sentinels for Human Health: A Global Assessment of Chromium Pollution. *Env. Tox. Chem. In Press.*

Parnas, R., C. Perkins, J. Stuart. 2009. Catalyzing the development of a Biofuels Industry in Connecticut with an Integrated Testing Program. Connecticut Center for Advanced Technology. Final Project Report. 22pp.

- Wise, J.P. Sr., R. Payne, S.S. Wise, C. LaCerte, J. Wise, C. Gianios, Jr., D. Thompson, C. Perkins, T. Zheng, C. Zhu, L. Benedict, I. Kerr. 2009. A global assessment of chromium pollution using sperm whales (*Physeter macrocephalus*) as an indicator species. *Chemosphere*. 75(11):1461-1467.
- Evers, D.C., R.T. Graham, C.R. Perkins, R. Michener and T. Divoll. 2009. Mercury concentrations in the goliath grouper of Belize: An anthropogenic stressor of concern. *Endangered Species Res.* 7(3):249-256.
- Hopkins, W.A., C. Bodinof, S. Budischak, J. McCormick-Goodhart, and C. Perkins. 2008. Nondestructive indices of Hg exposure in three species of turtles occupying different trophic niches in the North Fork Holston River, Virginia. United States Fish and Wildlife Service. 152 pp.
- Innis, C., M. Tlusty, C. Perkins, S. Holladay, C. Merigo, E. S. Weber. 2008. Toxicologic evaluation of cold-stunned, juvenile Kemp's Ridley sea turtles (*Lepidochelys kempii*) from Cape Cod, Massachusetts, USA. *Chelonian Conserv Bio.* 7(2):230-9.
- Vokoun, J.C. and C. R. Perkins. 2008. Trend assessment of mercury contamination in fish tissue from Connecticut lakes. Final technical report. Connecticut Department of Environmental Protection. 49 pp.
- De Guise S., M. Goedken, B. Morsey, J. Maratea, I. Sidor, C. Perkins. 2008. Development of new methods to assess invertebrate immunology and immunotoxicology in aquaculture: oysters and lobsters as examples. *Int. J. Environm. Poll.* 33(4):365-380.
- Wise, J.P. Sr., S.S. Wise, S. Kraus, M. Grau, T.L. Chen, F. Shaffiey, C. Perkins, W.D. Thompson, T. Zheng, Y. Zhang, T. Romano, T. O'Hara. 2007. Hexavalent chromium is cytotoxic and genotoxic to the Northern Right Whale (*Eubalaena glacialis*) lung and testes fibroblasts. *Mutation Res.* 650:30-38.
- De Guise S., J. Maratea, E.S. Chang, C. Perkins. 2005. Resmethrin immunotoxicity and endocrine disrupting effects in the American lobster (*Homarus americanus*) upon experimental exposure. *J Shellfish Res.* 24 (3): 781-786.
- Perkins, C.R., R.W. Arnold, F. Nadim. 2005. Effects of PVC, cast iron and concrete conduit on concentrations of copper in storm water. *Urban Water J.* 2 (3): 183-191.
- Shaw, S.D., D. Brenner, A. Bourakovsky, C.A. Mahaffey, C.R. Perkins. 2005. Polychlorinated biphenyls and chlorinated pesticides in harbor seals (*Phoca vitulina concolor*) from the northwestern Atlantic coast. *Marine Poll. Bull.* 50 (10): 1069-1084.
- French, R, S. DeGuise, C. Perkins. 2005. Investigation of mosquito control agents in Long Island Sound water, sediment and lobsters and their effect on lobster health. Connecticut Department of Environmental Protection. Final Report. 17 pp
- Chen, H., X. Yang, and C. Perkins, 2004. Trend and Variability of total gaseous mercury (TGM) in the State of Connecticut, U.S.A. during 1997-1999. *Water, Air and Soil Pollution* 151: 103-116.
- De Guise, S., M. Goedken, B. Morsey, J. Maratea, I. Sidor, C. Perkins. 2004. Immunology and Immunotoxicology in *Aquaculture: Fundamental Meets Applied Research Aquaculture*.
- Mullen, T.E., S. Russell, M.T. Tucker, J.L. Maratea, C. Koerting, L. Hinckley, S. De Guise, S. Frasca, R.A. French, T.G. Burrage, C. Perkins. 2004. Paramoebiasis associated with mass mortality of American lobster *Homarus americanus* in Long Island Sound, USA. *J. Aquatic Anim. Health* 16:29-38.

- Shaw, S.D., D. Brenner, A. Bourakovsky, C.A. Mahaffey, C.R. Perkins. 2004. Persistent organic pollutants (POPs) in harbor seals (*Phoca vitulina concolor*) from the Northwestern Atlantic Coast. *Organohalogen Compounds* 66: 1581-1588.
- Trahiotis, M., C.R. Perkins, and S. Stapcinskaite. 2004. Connecticut Air Toxics Monitoring Program (5<sup>th</sup> Year). Department of Environmental Protection. Final Report. 18 pp.
- Perkins, C.R. and M. Trahiotis. 2004. Connecticut Air Toxics Monitoring Program (4<sup>th</sup> Year). Connecticut Department of Environmental Protection. Final Report. 17 pp.
- De Guise, S., J. Maratea, C. Perkins. 2003. Malathion immunotoxicity in the American lobsters (*Homarus americanus*) upon experimental exposure. *Aquatic Tox.* 66(4): 419-425.
- Luo, Y., X. Yang, R. Carley, C. Perkins. 2003. Effects of geographical location and land use on atmospheric deposition of nitrogen in the State of Connecticut. *Environmental Pollution* 124(3): 437-448.
- Nadim, F., R.J. Carley, C.R. Perkins, S. Liu, G.E. Hoag, A.M. Dahmani, P. Zack, F. Bartolomeo. 2003. A dynamic approach to site characterization and cleanup at sites contaminated with hazardous chemicals in Connecticut. *J Process Analy Chem & Real-Time Analysis*. 8(2): 32-39.
- Nadim, F., S. Stapcinskaite, M. Trahiotis, C.R. Perkins, R.J. Carley, S. Liu, X. Yang, 2003. The effect of precipitation amount and atmospheric concentrations on wet deposition fluxes of oxidized and reduced nitrogen species in Connecticut. *Water, Air, and Soil Pollution* 143(1-4): 315-335.
- Nadim, F, J. Iranmahboob, G. Hoag, C. Perkins, A. Dahmani. 2003. The effect of regional conflicts and political rivalries on the release of petroleum hydrocarbons to the environment. Proceedings of 10<sup>th</sup> Annual International Petroleum Environmental Conference, Houston, TX. Nov 11-14.
- Liu, S., Nadim, F., Perkins, C Carley, R.J., Hoag, G.E., Lin, Y., Chen, L. 2002. Atmospheric mercury monitoring survey in Beijing, China, *Chemosphere* 48:97 - 107.
- Luo, Y.Z., X.S. Yang, R.J. Carley, C. Perkins. 2002. Atmospheric deposition of nitrogen along the Connecticut coastline of Long Island Sound: a decade of measurements. *Atmosph. Environ.* 36(28)4517-28.
- Perkins, C., R. Carley. 2002. A Preliminary Investigation of the effects of storm water conduit material on the concentration of copper in simulated storm water. Copper Development Assoc. Final Report. 12 pp.
- Carley, R., C. Perkins, M. Trahiotis. 2002. Toxics Air Study in Connecticut. Connecticut Department of Environmental Protection. Final Report. 27 pp.
- De Guise, S.D., S.D. Shaw, et al. 2001. Consensus statement – Atlantic coast contaminants workshop 2000. *Environ Health Perspect.* 109(12):1301-2.
- Nadim, F., M. Trahiotis, S. Stapcinskaite, C. Perkins, R. Carley, G. Hoag, and X Yang. 2001. Estimation of wet, dry, and bulk deposition of atmospheric nitrogen in Connecticut. *J. Environ. Monit.* 3:671-680.
- Nadim, F., C. Perkins, S. Liu, R. Carley, and G. Hoag. 2001. Long term investigation of atmospheric mercury contamination in Connecticut. *Chemosphere.* 45: 1033-1043.
- Carley, R.J., C.R. Perkins, M. Trahiotis, F. Nadim. 2001. Nitrogen deposition monitoring in Connecticut. CT Dept. Envr. Prot. Report. 39 pp.
- Carley, R.J., C.R. Perkins, M. Trahiotis, F. Nadim. 2001. Connecticut atmospheric mercury monitoring network. CT Dept. Envr. Prot. Final Report. 30 pp.

- Trahioits, M., C. Perkins, and R.J. Carley. 2001. Preliminary analysis of 1999 PM<sub>2.5</sub> levels in Connecticut. CT Dept. Envr. Prot. Final Report. 41 pp.
- Trahioits, M., R. Carley, and C. Perkins. 2000. Toxics air study in Connecticut: Annual report. CT Dept. Envr. Prot. Annual Report. 25 pp.
- Boulanger, B, N. Nikolaidis, R. Carley, C. Perkins. 1999. Evaluation of the hydrologic and chemical mass balances of copper within an urban watershed. *Haz Industrial Wastes* 31: 539-548.
- Carley, R.J. and C.R. Perkins. 1999. Connecticut atmospheric mercury monitoring program. CT Dept. Envr. Prot. Report. 25 pp.
- Carley, R.J. and C.R. Perkins. 1999. The Connecticut atmospheric nitrogen monitoring program. CT Dept. Envr. Prot. Report. 24 pp.
- Hanten, R.P., R.M. Neumann, S.M. Ward, R.J. Carley, C.R. Perkins, and R. Pirrie. 1998. Relationship between the concentrations of mercury in largemouth bass and physical and chemical characteristics of Connecticut Lakes. *Trans. Amer. Fish. Society.* 127:807-818.
- Hanten, R.P., R.M. Neumann, S.M. Ward, R.J. Carley, C.R. Perkins, and R. Pirrie. 1997. Relationship between the concentrations of mercury in largemouth bass and physical and chemical characteristics of Connecticut Lakes. CT Dept. Envr. Prot. Report. 40 pp.
- Perkins, C.R. 1997. Small mammal herbivory in a mitigated wetland system. Masters Thesis. University of Connecticut.
- Perkins, C.R. and J.S. Barclay. 1997. Mobilization of organochlorine contaminants in wintering greater scaup. *J. Wildl. Mgmt.* 61(2):444-449.
- Neumann, R., R.J. Carley, C.R. Perkins, and R. Pirrie. 1996. Preliminary assessment of total mercury concentrations in fishes from Connecticut water bodies. CT Dept. Envr. Prot. Report. 116 pp.
- Perkins, C. R. And J. S. Barclay. 1995. Muskrats and marsh management in the manipulation of waterfowl habitat. In: W. Whitman, et. al., (eds.) *Waterfowl habitat restoration enhancement and management in the Atlantic Flyway.* Third ed. Environ. Manage. Comm., Atlantic Flyway Council Tech. Sec. and Delaware Div. Fish and Wildl., Dover, DE pp. I-15 to I-31.
- Barclay, J. S., C. R. Perkins, M. E. Tomassone, And K. A. Eccleston. 1995. Declining populations of ducks and habitat quality in Long Island Sound. Final Report. CT DEP, Hartford, CT. 170pp.
- Wagle, V.G., C.R. Perkins, A. Vallera. 1993. Is helmet use beneficial to motorcyclists?. *J. Trauma.* 34(1):120-2.
- Simon, R.H., S.Y. Ho, C.R. Perkins, J.S. D'Arrigo. 1992. Quantitative assessment of tumor enhancement by ultrastable lipid-coated microbubbles as a sonographic contrast agent. *Invest. Radiol.* 27(1):29-34.

## **PRESENTATIONS**

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- Stuart, J.D., R. S. Parnas, C. R. Perkins. 2009. University of Connecticut Use of Gas Chromatography (ASTM Method D 6584) for the Testing of Biodiesel, a State of Connecticut Research and Testing Initiative. Eastern Analytical Symposium, November 2009.

- Perkins, C. M. Levin, S. De Guise. 2008. The immunomodulatory effects of nanosilver upon in vitro exposure. Annual Meeting, Society of Environmental Toxicology and Chemistry. Tampa, FL. November 8-12.
- Savoy, L., J. Schamber, D. Zweifhofer, D. Evers, B. Hoskins, H. Brant, C. Perkins, R. Taylor, K. Trust, J. Hall. 2008. Mercury concentrations in blood of molting and wintering harlequin ducks from Alaska. North American Sea Duck Conference. Quebec City, Canada. November 10-14.
- Perkins, C. M. Levin, S. De Guise. 2007. The immunomodulatory effects of nanoparticles upon in vitro exposure. Annual Meeting, Society of Environmental Toxicology and Chemistry. Milwaukee, WI. November 11-15.
- Perkins, C. M. Levin, S. De Guise. 2007. A preliminary assessment of the immunotoxic effects of nanomaterials upon in vitro exposure. Annual Meeting, Society of Environmental Toxicology and Chemistry, North Atlantic Chapter. Bristol, RI. June 13-15.
- Perkins, C.R. and K. Hood. 2005. Overview of Outreach Projects in Region 1. Center for Hazardous Substances in Urban Environments TOSC/TAB meeting. Baltimore, MD. November 18.
- Perkins, C.R. 2004. Overview of Outreach Projects in Region 1. Center for Hazardous Substances in Urban Environments TOSC/TAB meeting. Storrs, CT. November 11.
- Shaw, S.D., D. Brenner, A. Bourakovsky, C.A. Mahaffey, C.R. Perkins. 2004. Persistent Organic Pollutants (POPs) in Harbor Seals (*Phoca vitulina concolor*) from the Northwestern Atlantic Coast. Dioxin 2004. Belin, Germany. September 10-15.
- De Guise, S, Maratea, J, Perkins, C. 2004..Toxicity of pesticides used to control mosquitoes in the American lobster, *Homarus americanus*. Society of Environmental Toxicology and Chemistry Annual Meeting. Portland. November 16-20
- De Guise, S., J.L. Maratea, C.R. Perkins. 2004. Malathion Toxicity in American Lobsters. LIS Lobster Research Initiative – Working Meeting. Groton, CT. May 3-4.
- Barclay, J.S., S. De Guise, M. Forzan, C.R. Perkins, A. Einarsson. 2002. Preliminary Comparison of Contaminants and Parasites in Greater Scaup from Iceland, Alaska, and Connecticut. Society of Environmental Toxicology and Chemistry Annual Meeting. Salt Lake City. November 16-20.
- De Guise, S. J.L. Maratea, C.R. Perkins. 2002. Immunotoxicity of Malathion in the American Lobster (*Homarus americanus*) upon experimental exposure. Society of Environmental Toxicology and Chemistry Annual Meeting. Salt Lake City. November 16-20.
- Perkins, C.R., R. French, S. De Guise. 2002. Investigation of Mosquito Control Agents in Long Island Sound and their effect Upon Lobster Health. Society of Environmental Toxicology and Chemistry Annual Meeting. Salt Lake City. November 16-20.
- Shaw, S.D., D. Brenner, C.R. Perkins, M.S. Denison, and G.T. Waring. 2002. Persistent Organic Pollutants and Mercury in US Atlantic Coast Seals. Society of Environmental Toxicology and Chemistry Annual Meeting. Salt Lake City. November 16-20.
- Perkins, C.R. 2002. Overview of Outreach Projects in Region 1. Center for Hazardous Substances in Urban Environments TOSC/TAB meeting. Baltimore. November 9.
- Perkins, C., R. French, S. DeGuise. 2001. Investigation of mosquito control agents in Long Island Sound water, sediment, and lobsters and their effect on lobster health. Long Island Sound Lobster Health Symposium. Ronkonkoma, NY.

Perkins, C., R. Carley, P. DeFur. 2001. An assessment of pesticides, PCBs, Coplanar PCBs, Dioxin, and Mercury in Connecticut River Fish Populations. Society of Environmental Toxicology and Chemistry Annual Meeting. Baltimore, November 11-15.

Shaw, S.D. Brenner, S. De Guise, C. Perkins, G. Shopp, C. Hong, B. Bush, P. Graham, M. Deinson. 2001. Perinatal POP Exposure and Immune and Endocrine Alterations in Young Harbor Seals. Society of Environmental Toxicology and Chemistry Annual Meeting. Baltimore, November 11-15.

Zhao, L., C. Perkins, S. Liu, F. Nadim, R. Carley, I. Sidor, M. Pokras. 2001. Determination of Methylmercury, Ethylmercury, and Inorganic Mercury in Loon Tissues After Alkane Digestion, Extraction, and Ethylation. Society of Environmental Toxicology and Chemistry Annual Meeting. Baltimore, November 11-15.

Carley, R. J., Liu, S., and Perkins, C. 2001. Long Island Sound Study an Historical Perspective Bureau of Marine Management of Hainan Province, Haikou, Hainan Province, China, January 10, 2001

Carley, R. J., Liu, S., and Perkins, C. 2001, Analytical methodology for Ambient Air Toxic Monitoring Program in Connecticut, Shenzhen Environmental Protection Bureau, Shenzhen, China, January 9, 2001.

Nadim, F., C. Perkins., and R. Carley. 2000. Temporal and Spatial Distribution of Atmospheric Mercury in Connecticut. Society of Environmental Toxicology and Chemistry Annual Meeting. Nashville, November 12-15.

Carley, R. J., Trahiotis, M. M., Perkins, C., and Nadim, F., 2000, Ambient Air Toxic Monitoring Program in Connecticut, City Environment International Conference 2000, Kaunas University of Technology, Kaunas, Lithuania, September 28-30.

Trahiotis, M., X. Yang, C. Perkins, F. Nadim, and R.J. Carley, 2000. Atmospheric deposition of nitrogen along the Connecticut coastline of Long Island Sound: A decade of measurements. Long Island Sound Conference, Stamford, CT, September 27.

Perkins, C.R., J.S. Barclay, and R.J. Carley. 1999. The Assessment of Contaminants in Wintering Greater Scaup on Northeastern National Wildlife Refuge Properties. Society of Environmental Toxicology and Chemistry Annual Meeting. Philadelphia, November 14-18.

Perkins, C.R. and R.J. Carley. 1999. The Connecticut Atmospheric Nitrogen Monitoring Program. Society of Environmental Toxicology and Chemistry Annual Meeting. Philadelphia, November 14-18.

Perkins, C., J. Barclay and R. Carley. 1999. The assessment of contaminants in wintering greater scaup on northeastern national wildlife refuge properties. Society of Environmental Toxicology and Chemistry Annual Meeting. Philadelphia, November 14-18.

Barclay, J. R. Carley, And C. Perkins. 1999. North American greater scaup as contaminant bioindicators. Proc. Soc. Env.Tox. & Chem. (SETAC Europe) An. Conf., Leipzig, Germany, May.

Perkins, C.,R: Carley, R.J. & Liu, S. 1999. The Connecticut Atmospheric Mercury Monitoring Program. 5<sup>th</sup> International Conference on Mercury as a Global Pollutant, Rio de Janeiro, Brazil, May 23-28.

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## RESEARCH GRANTS AND CONTRACTS

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M.Willig, C.Perkins, A. MacKay, L.Shor, R. Parnas. Scientific, Technical, Research, Engineering, and Monitoring Support II (STREAMS II). EPA (The Cadmus Group, Inc. subcontract). 2010-2015. \$1,948,951. *Pending.*

M. Willig, C. Perkins, J. Rusling. Spatiotemporal dynamics of methamphetamine in waste water systems of Connecticut. Connecticut Department of Public Safety. 7/1/09 – 60/31/11. \$151,733. *Pending*.

M. Willig and C. Perkins. Analytical Support to the Connecticut Department of Environmental Protection for the Long Island Sound Study and Ambient Water Quality Surveys. Connecticut Department of Environmental Protection, funded 2010-2013, \$708,000.

R. Parnas, J. Stuart, C. Perkins. Catalyzing the Development of a Biofuels Industry in Connecticut With an Integrated Testing Program, Connecticut Center for Advanced Technology, 1/9/09 – 12/31/09. Develop a biofuel testing laboratory for the State of Connecticut. \$616,609.

J. Bushey, C. Perkins, M. Willig. Dynamics of nitrogen loading and speciation in urban combined sewer catchments: An assessment of the effects of flow conditions. Connecticut Department of Environmental Protection, 1/1/09 – 12/31/11. Set up a storm water monitoring program within the City of Hartford. \$709,695

C. Perkins. Nanosilica inflammation and dosimetry at the cell level. UConn/CESE Multidisciplinary Graduate Student Award. Funded 2007-2008. \$4,900.

T. Xie and C. Perkins. Continued Air Monitoring of Mercury from Phytoremediation Research. SAIC/USEPA, funded 2005, \$7,500.

J. Clausen, C. Perkins. Connecticut Fine Particle Monitoring Network. Connecticut Department of Environmental Protection, funded 2005, \$86,400.

C. Perkins, A. Dahmani, T. Xie. Laboratory Analysis Service: Saline Water, Fresh Water, Biological Tissue, Soil and Sediment Samples. Connecticut Department of Environmental Protection, funded 2004-2009, up to \$400,000/ year.

C. Perkins, A. Dahmani. Air Monitoring of Phytoremediation Research. City of Danbury, CT, funded 2004, \$9,075.

A. Dahmani, C. Perkins, T. Xie, J. Clausen. Analytical Laboratory Services for Dept. of Public Works Environmental Testing. Connecticut Department of Public Works, funded 2004 – 2007, up to \$100,000/ year.

K. Huang, C.R. Perkins. Dieldrin Mobility Testing. LBG, Inc., funded 2003, \$45,000.

C. Perkins, A. Dahmani, K. Hood. Technical Outreach Services to Communities. US Environmental Protection Agency, funded 2002-2006. \$250,000.

C. Perkins, A. Dahmani, K. Hood. Technical Assistance to Brownfield Communities. US Environmental Protection Agency, funded 2002-2006. \$200,000.

G. Hoag, F. Ogden, R. Neumann, C. Perkins, J. Starn, G. Warner. Long-Term Impact Analysis of the University of Connecticut's Fenton River Water Supply Wells on the Habitat of the Fenton River. University of Connecticut, funded 2002 - 2004, \$310,027.

C. Perkins. Laboratory Analyses for the National Coastal Assessment for Nutrients, Suspended Sediments, Sediment Grain Size, and Sediment TOC. U.S. Environmental Protection Agency, funded 2001-2005, \$68,300.

C. Perkins. Estuarine Assessment of Tissue and Sediment Samples for the National Coastal Assessment. U.S. Environmental Protection Agency, funded 2001-2004, \$259,000.

J. Clausen and C. Perkins. ERI/ CTDEP Laboratory Analyses for the USEPA Coastal 2000 Monitoring Program. Connecticut Department of Environmental Protection, funded 2001-2004, \$172,000.

G. Hoag, C. Perkins, A. Dahmani, K. Hood. Hazardous Substances Research Center: Center for Hazardous Substances in Urban Environments. US Environmental Protection Agency, funded 2001-2002. \$140,000.

R. Carley, C. Perkins and X. Yang. Connecticut Nitrogen Monitoring Network: Long term Trends. Connecticut Department of Environmental Protection, funded 2001-2002, \$42,782.

S. De Guise, R. French, S. Frasca, Jr., and C. Perkins. Determination of the Toxicity and Sublethal Effects of Selected Pesticides on the American Lobster (*Homarus americanus*). National Oceanic and Atmospheric Administration, funded 2001-2002, \$140,000.

R. Carley and C. Perkins. Analytical Support for the Connecticut Fine Particle Monitoring Network. Connecticut Department of Environmental Protection, funded 2000-2002, \$133,400.

R. French, S. De Guise, and C. Perkins. Investigation of Mosquito Control Agents in Long Island Sound Ambient Water and Lobster Populations. Connecticut Department of Environmental Protection, funded 2000-2002, \$117,856.

R. Carley and C. Perkins. ERI/ CTDEP Laboratory Analyses for the USEPA Coastal 2000 Monitoring Program. Connecticut Department of Environmental Protection, funded 2000-2001, \$63,280.

R. French, S. De Guise, S. Frasca, S. Russel, C. Perkins, E. Beckwith, and B. Young. Assessment of the Cause(s) and Extent of Morbidity and Mortality of American Lobster (*Homarus americanus*) in Long Island Sound. Environmental Protection Agency, funded 2000-2001, \$98,097.

R. Carley and C. Perkins. Water Quality, Sediment, and Tissue Analysis and Assessment. Connecticut Department of Environmental Protection, funded 2000-2003, \$600,000.

R. Carley and C. Perkins. Connecticut River Fish Tissue Study. New England Interstate Water Pollution Control Commission, funded 2000-2001, \$63,800.

R. Carley, C. Perkins, and X. Yang. Connecticut Atmospheric Nitrogen Monitoring Survey. Connecticut Department of Environmental Protection, funded 2000-2001, \$84,000.

R. Carley and C. Perkins. Hartford Air Toxics Monitoring Program”, Connecticut Resource Recovery Authority. funded 2000-2002, \$150,000.

R. Carley and C. Perkins. The Global Positioning of Leaking Underground Storage Tanks in Connecticut. Connecticut Department of Environmental Protection, funded 2000-2001, \$169,000.

R. Carley and C. Perkins. Air Toxics Monitoring/Photochemical Assessment Monitoring. Connecticut Department of Environmental Protection, funded 1998-2001, \$600,000.

R. Carley and C. Perkins. Analysis of Fine Particulate Matter (PM 2.5) Throughout Connecticut. Connecticut Department of Environmental Protection, funded 1998-2000, \$210,000.

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#### **INVITED PRESENTATIONS**

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Perkins, C. and K. Hood. 2005. Environmental Risk Assessment and Communication. USEPA New England All Grantees Workshop. Sturbridge, MA. August 9-10.

Perkins, C. 2005. Community Outreach in Environmental Programs: A Critical Link Between Scientists and the Public. Department of Civil and Environmental Engineering Seminar Series. University of Connecticut. April 29.

Perkins, C. 2005. The Connecticut Atmospheric Mercury Monitoring Program. The Waterbury Environmental Control Commission. April 28.

Perkins C. 2002. Connecticut Atmospheric Mercury Monitoring Program. Connecticut Department of Environmental Protection. SIPRAC Meeting. Hartford, January 10.

Trahioits, M., C. Perkins, and R.J. Carley, 2001. "Indoor Air Quality: Sampling and Analysis Techniques". Indoor Air Quality Workshop, United Technologies Research Center, June 4-5, 2001.

Perkins, C. 2001. Connecticut River Fish Tissue Study. New England Interstate Water Pollution Control Commission. Board of Directors Meeting, Rockport, ME, May 25.

Perkins, C. 2000. Organochlorine Residues in Finfish from Long Island Sound. Atlantic Coast Contaminants Workshop, Bar Harbor, ME, June 22-25.

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#### **COURSES TAUGHT**

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Lecture in "Nanotechnology and Occupational and Environmental Health" for Occupational and Environmental Health Policy. PUBH 380. UConn Health Center. 2009.

Lecture and Laboratory in "Environmental Analysis and Data Quality" for Civil and Environmental Engineering. CEE 270. 2008-2009.

North American Wildlife. NRME 217. University of Connecticut. Department of Natural Resources Management and Engineering. 1994, 1995.

Wildlife Ecology. NRME 378. University of Connecticut. Department of Natural Resources Management and Engineering. 1997.

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#### **SHORT COURSES/ WORKSHOPS**

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C. Perkins and K. Hood. 2005. Soil, Water and Air Testing. Environmental Justice Conference. Connecticut Coalition for Environmental Justice. Hartford, CT. October 29.

C. Perkins. 2001. Wildlife Toxicology: The Effects of Pollution on Wildlife. Wildlife Management Training Course, Institute of Policy and Scientific Information, Hartford CT. September.

C. Perkins. 2000. Emerging Environmental Issues in the Marine Environment: Environmental Endocrine Disrupters. China National Environmental Research Academy, Beijing China. April 24.

R. Carley and C. Perkins. 2000. Long Island Sound Water Quality: Methods and Trends. China National Environmental Research Academy, Beijing China. April 24.

R. Carley and C. Perkins. 1997. The Development of an Ambient Air and Atmospheric Deposition Network: The Connecticut Experience. China-Japan-US Environmental Monitoring Technologies Workshop at China National Environmental Monitoring Center Beijing China. June 21-23.

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#### **CONTINUING EDUCATION**

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“Geospatial Technologies at Work “ ArcGIS 9.0 training course. University of Connecticut Cooperative Extension Service. January 10-14, 2005.

“A Toolbox of Techniques to Generate Data for Ecological Risk Assessments - Characteristics, Costs and Case Studies” SETAC short course. Nov. 2004.

“Landscape and Regional Ecological Risk Assessment” SETAC short course. Nov. 2003.

“Environmental Justice Fundamentals” USEPA Region 1. 2003.

“Estrogen Mimics in Health and Disease” SETAC short course. Nov. 1999.

“Source Sampling for Pollutants” USEPA Air Pollution Training Institute. 1997.

#### **OUTREACH AND TECHNICAL ASSISTANCE**

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Meriden, CT – Providing technical support to the city related to risk analysis of remediation and redevelopment plans for several Brownfields sites and risk communication. 2005-2007.

Passamaquoddy Tribe, Perry, ME – Providing technical support to the tribe on the preparation of a Quality Assurance Project Plan and analytical chemistry issues for a fish/shellfish monitoring and assessment project. 2004-5.

Newhall Coalition, Hamden, CT – Providing technical support and facilitation to the coalition. Reviewed technical documents and risk assessments and provided interpretation to the community. Involved in risk communication to the stakeholders. 2003-7.

City Council of Woburn, MA – External review of an Ecological Risk Assessment for the Aberjona River and Wells G&H Superfund Site and communicated potential risk to the stakeholders. 2003-5.

Hartford, CT: Your Health and Your Environment – Development of an informational web site and briefing book on environmental issues affecting citizens of Hartford. [www.healthy.hartford.gov](http://www.healthy.hartford.gov). 2001.

#### **UNIVERSITY SERVICE**

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Faculty Search Committee. Water Quality Engineering, Department of Civil and Environmental Engineering, 2007.

Served as a Senior Thesis Advisor to Jeremy Bruno, Department of Civil and Environmental Engineering, on his project entitled, “A further study on mercury in fish oil supplements.” 2008.

#### **AWARDS**

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Best Student Platform Presentation. 2007. Annual Meeting, Society of Environmental Toxicology and Chemistry, North Atlantic Chapter. Bristol, RI. June 13-15.