

Canadian and U.S. Perspectives on PFAS: Contamination and Effects in Fish and Wildlife



Co-hosted by:

The Center for PFAS Research and Canada Connect



Join us for a speaker series on the history, science, impact, and challenge of PFAS in the Canadian and US context. Using a One Health framework, each webinar will include speakers from both Canada and the United States.

March 15 12:00-1:30pm

Registration Link https://msu.zoom.us/webinar/register/WN_3KIbl8wKRDmwx9Wqnaob3Q



Magali Houde is a research scientist with Environment and Climate Change Canada and adjunct professor at the Université du Québec à Montréal and at McGill University. Her research advances the understanding of the fate of contaminants, including per/polyfluoroalkyl substances, in aquatic environments and their effects on organisms. She is actively involved in assessing trends of contaminants in Canadian Arctic marine mammals, important country foods for Indigenous peoples, as well as evaluating the influence of climate on contaminant exposure. Her work also focuses on outreach to Inuit communities and creating bridges with Indigenous knowledge. Her research is supporting the human and environmental risk assessment in Canada and beyond.



Shane de Solla has worked for Environment & Climate Change Canada's for the last 20 years, and currently is an ecotoxicologist with Ecotoxicology and Wildlife Health Division. His current work focuses on characterizing POPs in free ranging wildlife, running laboratory and field studies to elucidate the toxicity of current use chemicals to aquatic animals, assessing spatial and temporal trends of chemicals of current or recent use in wildlife across Canada, and assessment of wildlife or contaminants in Great lakes Areas of Concern. He is also a bit of a wine snob.



Dr. John Newsted holds a PhD from the Michigan State University. He has over 25 years of experience in aquatic ecology, aquatic and terrestrial ecotoxicology, and ecological risk assessment. He has studied the effects of endocrine disruptors at the molecular, biochemical, organismal and population level in aquatic species. Currently his work has centered on emerging chemicals of concern, specifically per- and polyfluoroalkyl substances (PFAS). Much of this work has been focused understanding the fate, transport and ecotoxicological effects of perfluoroalkyl acids (e.g., PFBS, PFOS, PFBA, PFOS, PFNA) in aquatic and terrestrial ecosystems. Dr. Newsted has presented at both national and international conferences and has published over 90 peer reviewed articles and numerous reports and abstracts.



Dr. Newcomb serves as a Senior Water Policy Advisor for the Michigan Department of Natural Resources (MDNR). In this role, she leads statewide issues for the Department such as preventing Asian carp from entering the Great Lakes, coordination of PFAS issues for fish, wildlife, and facilities, and cross departmental issues related to the Great Lakes. She recently led implementation of a \$5 million invasive species program for the State of Michigan and a \$1 million innovation challenge on invasive carp. Dr. Newcomb received her B.S. and Ph.D. in Fisheries and Wildlife from Michigan State University and her M.S. from West Virginia University in Forestry. Prior to her current appointment she served as the MDNR Fisheries Division Research Program Manager. Before she began service with the MDNR, Dr. Newcomb was an Assistant Professor at Virginia Polytechnic Institute and State University with a research program focused on management of regulated rivers. Dr. Newcomb is adjunct Associate Professor at Michigan State University, a former member of the U.S. Army Corps of Engineers National Science Advisory Board and has enjoyed serving on three National Academy of Science Panels regarding the Klamath River Basin and the Columbia River.