

2018 SETAC Poster Presentations

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- > ***Is cardiomyopathy a more sensitive mode of action than narcosis for polycyclic aromatic hydrocarbons (PAH) toxicity? (MP189)***

Monday, Exhibit Hall; 8:00-18:00.

Yasemin Atalay, Jody Kubitz

- > ***Setting a species-specific population model in the context of an aquatic food web model: A case example for the Topeka shiner. (255)***

Tuesday, 11:00; Hall D.

Steven Bartell, Richard Brain, Nika Galic, Nicholas Green, Colleen Roy, Daniel Perkins, Amelie Schmolke

- > ***Combining an individual-based model and an aquatic food web-ecosystem model to assess ecological risks: A case study with the Endangered Topeka shiner. (461)***

Wednesday, 16:00; CC 204.

Steven Bartell, Richard Brain, Nika Galic, Nicholas Green, Colleen Roy, Daniel Perkins, Amelie Schmolke

- > ***Making sense of oil spill model results for the near surface water column: extended capabilities in assessing ecological risks and damages to natural resources of the Chemical/Oil Spill Impact Module (COSIM). (538)***

Thursday, 10:20; CC 203.

Yasemin Atalay, Steven Bartell, Michael Fichera, Jody Kubitz, Jeffrey Wakefield, Jessica Webber

- > ***Polar hydrocarbon compounds within surface water column following an oil spill. (540)***

Thursday, 11:00; CC 203

Yasemin Atalay, Jody Kubitz

- > ***Modeling the photo-enhanced toxicity of organic compounds at the sea surface requires a dual dose approach. (RP115)***

Thursday, Exhibit Hall, 8:00 – 12:00

Yasemin Atalay, Steven Bartell, Jody Kubitz

- > ***Use of Hydrocarbon Blocks for modeling the transport, fate and exposure of complex mixtures such as crude oils. (RP116)***

Thursday, Exhibit Hall, 8:00-12:00

Yasemin Atalay, Steven Bartell, Michael Fichera, Jody Kubitz



Jody Kubitz — Program Manager

Jody is a leading expert in environmental liability management. He has developed practical solutions related to environmental contamination and wastewater discharges within a number of industries. Jody also serves as a leader on Cardno's spill response team and is an expert in the environmental transport, fate, and effects of chemical substances. He is an author of Cardno's proprietary Chemical/Oil Spill Impact Assessment Module (COSIM). He is an active member of the Society of Environmental Toxicology and Chemistry and holds a PhD in Fisheries and Wildlife/Environmental Toxicology from Michigan State University.



Steven Bartell — Practice Group Manager

Steve is a leader in oceanology and limnology. He offers extensive experience and technical skills in quantitative ecosystem analysis and ecological modeling and applies these skills in assessing ecological risks posed by a variety of physical, chemical, and biological stressors. Steve also uses linked hydrological and ecological models to project the ecological risks and benefits anticipated for ecosystem management and restoration activities. He holds a PhD in Oceanography & Limnology from the University of Wisconsin and is a member of several professional environmental organizations.



Jeff Wakefield — Senior Consultant

Jeff has provided environmental consulting services related to oil spill risks, financial assurance, and resource damage assessments for more than 20 years. He has performed economic analysis for a number of government agencies, including the U.S. Coast Guard, the Federal Energy Regulatory Commission, and the National Marine Fisheries Service. Jeff has developed methods to help integrate hydrodynamic modelling, toxicology, and population dynamics to quantify and value natural resource damages. He holds a PhD in Economics and a Master's of Science in Marine Biology and Biochemistry.



Jessie Webber — Senior Consultant

Jessie is a biologist with more than 20 years of environmental consulting experience, particularly in wetland and aquatic ecology, biological field studies, and natural resource damage assessments. She has performed work in developing methods of scaling ecological injury and restoration, environmental impact analysis, National Pollution Discharge Elimination Systems, and coastal zone permitting. She is one of Cardno's lead experts on Clean Water Act 316(b) compliance for fish impingement and entrainment at industrial water intake structures. She holds a Master's of Science in Environmental Management / Water Resources.

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