

Healthy Environment = Healthy You – Second Session

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Abstract: Enhancing the relevance of resources management is integrally tied to the perceived value of the resource by the customer or resource user. There is an international initiative underway that is aimed at uniting Ecosystem health with human health. This initiative is known as “One Health” and is aimed at being collaborative-synergistic-enlightening and cross disciplinary. For the natural resource professional, it offers a way of thinking that can enhance the mission of protecting forests, fish and wildlife. This workshop will present ideas across various disciplines united under the concept of “One Health”. The aim of the workshop is to provide the audience with new ways of seeing their daily work as part of a larger fabric of enhancing public health at the same time as protecting the health of the resources directly. The following ideas will be presented:

Friday, February 2, 10:15am – 12:15pm: Healthy People and Wild Places

This workshop handles reproductive challenges, bears, genomics, poop and cocaine. And you thought it would be dull....

10:15-10:35 – A Zoo Veterinarians perspective on One Health and A discussion on the effect of Endocrine Disruptive Chemicals on Wildlife and Humans

This talk presents a perspective on Wildlife and Human Health interaction (One Health) and explores Endocrine Disruptive Chemicals in both people and wildlife.

Presenter: Sharon Deem DVM, PhD, DACZM, Director Institute for Conservation Medicine, St. Louis Zoo

10:35-10:55 – Cocaine Detection in Eagle Bluffs Conservation Area.

This talk will share preliminary data regarding the amount of human drug elimination in the water of a Conservation Area and explore possible implications on natural systems.

Presenter: Dr. Christopher B. Babayco, Associate Professor of Chemistry at Columbia College

10:55-11:15 – Everybody poops- water quality and quality life

Description: Quality water is essential for healthy fish, forests, and wildlife populations, human health, and production of crops and livestock. All consumers of water are also producers of waste. This presentation will give a history on waste management as it pertains to water quality and describe the most pressing water quality issues for the current and future generations of natural resource and conservation professionals.

Presenter: Rebecca O’Hearn, Water Pollution Biologist- Missouri Department of Conservation

11:15-11:35 – Moving from genetics to genomics to address the health and management of fish and wildlife.

The MDC Conservation Genetics program is moving into the genomics age and wants fish and wildlife managers and researchers to know why this is valuable and how they can benefit.

Presenter: Leah Berkman- Biometrician-Missouri Department of Conservation

11:35-11:55 – People and Bears: The interaction and effect that both have on each other with emphasis on the challenge to the natural resource professional.

A fascinating exploration of the intersection of nature with people looking at both sides of the relationship.

Presenter: Laura Conlee, MS (Furbearer Biologist - Missouri Department of Conservation)