

Annual Summary Report for Task Agreement Contract # H2370094000

Project Code: J2340090034

Project Title: NPS Manager's Short Course on Wildlife Diseases

Date: 6 September 2011

In partial fulfillment of this task agreement, faculty and students from the Colorado State University (CSU) Department of Fish, Wildlife, and Conservation Biology and the Veterinary Diagnostic Lab, along with the NPS Wildlife Health Branch, conducted a wildlife disease short course 12-14 April 2011. A curriculum including learning objectives and student handouts were developed for the short course by CSU and NPS collaborators.

Course participants represented 18 parks and 6 regions. Lectures provided information on basic disease ecology and epidemiology, large and small animal diseases, zoonotic diseases, and safe work practices. A half-day necropsy laboratory provided an opportunity for hands-on experience in sample collection, handling, and shipment.

Course Schedule:

Tuesday, April 12, 2011				
	Time	Topic	Speaker	
	8:00-8:30	Introductions, Expectations	Kate Huyvaert	
		Course Objectives	Kevin Castle	
	8:30 - 9:30	Intro to Wildlife Diseases and Disease Ecology: Why do we care?	Kate Huyvaert	
	9:30-10:00	Wildlife Disease Ecology in National Parks	Ryan Monello	
	10:00-10:30	COFFEE BREAK		
	10:30-11:30	NPS Wildlife Disease Management: Laws, Policy, YELL Brucellosis example	Glenn	
	11:30 - 12:00	Human Dimensions	Kirsten	

	12:00-1:00	LUNCH		
	1:00-2:00	Intro to Epidemiology, Population Biology and Disease	Kate Huyvaert	
	2:00-3:30	Zoonoses and Safe Work Practices	David, Colleen, assistants	
	3:30-3:45	COFFEE BREAK		
	3:45-4:15	IACUC and NPS Diagnostic Reporting	John Bryan	
	4:15 - 4:45	Intro to Laboratory Diagnostic Methods	Colleen/Kate	
	4:45 - 5:15	Field Sampling/Necropsy Kits	John Bryan	
	6:00-8:00	DINNER; Diseases of Marine Mammals	Terry Spraker	
Wednesday 13 April				
	8:00-8:15	Announcements, Reminders, Questions		
		Ungulate/Large animal diseases		
	8:15 - 8:45	Pseudorabies and Swine brucellosis	Pauline Nol	
	8:45 - 9:30	Bovine Tuberculosis, brucellosis, Johnes	Pauline Nol	
	9:30 - 10:00	COFFEE BREAK		
	10:00-10:45	CWD	Jenny Powers	
	10:45-	Bighorn Sheep Pneumonia Complex	Mike Miller	

	11:45			
	11:45 - 1:00	Lunch		
	1:00 - 1:45	Parasitic diseases (ticks, lice, mange)	Kevin	
		Avian Diseases		
	1:45 - 2:30	West Nile Virus/Avian Influenza/Newcastle	Valerie	
	2:30 - 2:45	Break		
	2:45 - 3:30	Botulism, duck plague, others TBD	Valerie	
	3:30-4:15	Amphibian Diseases	Valerie	
	4:15 - 5:00	Diseases in Fish	Chris Myrick, Dana Winkleman	
Thursday, April 14, 2011.				
	8:00-8:15	Announcements, Reminders, Questions		
	8:15 - 9:15	Diseases of Rodents (Plague, Tularemia, Hantavirus)	Todd	
	9:15 - 10:15	Diseases of Carnivores (Rabies, distemper, parvovirus)	Todd	
	10:15 - 10:30	Break		
	10:30 - 10:45	Meningeal Worm	Todd Cornish	

	10:45 - 11:00	Hemorrhagic Disease	Todd Cornish	
	11:00 - 11:30	Poisons/ecotox: Insecticides and Lead Poisoning	Valerie/Todd	
	11:30 - 12:00	Diseases and NPS Recap	Kevin	
	12:00 - 1:00	LUNCH		
	1:00 - 5:30	Necropsy Laboratory	Colleen Duncan and Helpers	
	6:00	DINNER OUT (TBD)		