



APB and NW PARC



Joint Annual Professional Biology Conference and AGM May 6 – 8 2021 VIRTUAL CONFERENCE PROGRAM

THURSDAY – MAY 6

Time	Topic	Presenter
7:30pm – 8:30pm	2021 APB and NW PARC Conference Reception and Social	
7:30pm – 7:40pm	Welcome	Mark Thompson, RPBio – APB Past-President
7:40pm – 8:30pm	APB and NW PARC Social	“In Conclusion” slides game / activity
8:00pm	Online Silent Auction Closes	

FRIDAY – MAY 7

Time	Topic	Presenters
8:35am - 12:00pm	Welcome to the Conference: Stressors, Threats, and Solutions	
8:35am – 8:50am	Welcome and Introductions	Mark Thompson, RPBio – APB Past President, Conference Co-Chair Laura Sprague, NW PARC Director, Conference Co-Chair
8:50am – 9:00am	In Memoriam: Dr. David Wake	
Open Plenary: Climate Change Introductions: Dr. Julie Lee-Yaw		
9:00am – 9:45am	Understanding climate threats to amphibians in Northern Climates	Mark Thompson
9:45am – 10:00am	Break and Questions	
Session I: Fires Moderator: Dr. Julie Lee-Yaw		
10:00am – 10:15am	The importance of ephemeral wetlands to amphibian connectivity in an uncertain future: An individual-based modelling approach	Corrie Allen
10:15am – 10:30am	Effects of habitat disturbances on reptile species richness, occupancy, and abundance at the Morley Nelson Snake River Birds of Prey National Conservation Area, Idaho	Kristina Parker
10:30am – 10:45am	Effects of the Kenow wildfire on occupancy of four amphibian species in Waterton Lakes	Danial Hunter

10:45am – 11:00am	Characterization of amphibian microhabitats in Southwestern Alberta prior to a severe wildfire	Tristan Skretting
11:00am – 11:15am	Veterinary considerations for rescuing wildlife from wildfire zones	Christine Parker-Graham
11:15am – 11:30am	Break and Questions	
Session II: HACCP Biosecurity AIS		
Moderator: Dr. Jason Jones		
11:30am – 11:45am	HACCP the Importance of developing a risk assessment using Hazard Critical Control Point Planning	Theresa Thom
11:45am – 12:00pm	Field Biosecurity	Laura Sprague
12:00pm – 12:05pm	Invasive Species: What to look for while out and about	Theresa Thom
Session III: Disease		
Moderator: Dr. Jason Jones		
12:05pm – 12:20pm	<i>Batrachochytrium salamandrivorans</i> : a threat to North American salamanders	Maria Forzan
12:20pm – 12:35pm	An overview of Ophidiomycosis (Snake Fungal Disease) in North America	Robert Ossiboff
12:35pm – 1:00pm	Q&A and Lunch Break	
Time	Topic	Presenter
1:00pm – 3:00pm	Stressors, Threats, and Solutions: Disease and Wildfires	
Keynote Introduction: Charles Peterson		
1:00pm - 1:45pm	<u>Keynote Talk:</u> What does a retired herpetologist do? Lingerin mysteries about reptiles and amphibians.	Dr J. Whitfield Gibbons – Professor Emeritus in Ecology, University of Georgia
1:45pm – 2:00pm	Break and Questions	
Session III: Disease Cont'd		
Moderator: Christine Parker-Graham		
2:00pm - 2:15pm	Evaluating the threat to Pacific Northwest amphibians from the fungal pathogen <i>Batrachochytrium salamandrivorans</i> (Bsal).	Jonah Piovia Scott
2:15pm - 2:45pm	Detecting pathogens in the live amphibian trade.	Jesse Brunner
2:45pm – 3:00pm	Enigmatic near-extirpation in a Boreal Toad metapopulation in Northwestern Montana	Rebecca McCaffery
3:00pm – 3:05pm	Global Bd mapping project: 2021 update	Olson and Ronnenberg
3:05pm – 3:10pm	Chemicals in Nature: A means to fight disease	Charlotte Van Moorlegem
3:10pm – 3:25pm	Break and Questions	
3:25pm – 4:15pm	Stressors, Threats, and Solutions: Afternoon Mash-Up	
Session IV: Mash-Up		
Moderator: Mark Thomson		

3:25pm - 3:40pm	Participatory amphibian monitoring: Long-term dataset as a catalyst for further research	Katie Remine
3:40pm - 3:45pm	Known and suspected threats of the herpetofauna of Central Washington	Torsten Watkins
3:45pm - 4:00pm	Humane and legal methods of amphibian and reptile euthanization updates.	Christine Parker-Graham
4:00pm – 4:15pm	Break and Questions	
4:15pm – 4:30pm	Follow-up Discussion / Q & A / Closing Remarks	Mark Thompson, RPBio – APB Past President, Conference Co-Chair Laura Sprague , NW PARC Director, Conference Co-Chair

SATURDAY – MAY 8

Time	Topic	Presenter
9:00am - 12:00pm	Stressors, Threats, and Solutions: Disease and Biosecurity	
Keynote Introduction: Mark Thompson		
9:00am – 9:45am	Keynote Talk: Nature is variable: Site-specific outcomes of protection measures for riparian areas	Dr John Richardson – UBC Professor, Department of Forest and Conservation Sciences
9:45am – 10:00am	Break and Questions	
Session III: Disease Cont'd Moderator: Laura Sprague		
10:00am – 10:15am	Shell disease in Washington’s WPT: a brief update	Katie Haman
10:15am – 10:30am	<i>Batrachochytrium dendrobatidis</i> in the British Columbia Peace Region: Field versus DNA diagnostics of atypical Wood Frogs that look like Columbia Spotted Frogs.	Jessica Brunet
10:30am – 10:45am	Considerations in biosecurity and health at the time of confiscation	Katie Hamen
10:45am – 10:50am	Herpetofauna disease alert system	Laura Brazelton
10:50am – 11:00am	Break and Questions	
11:00am - 12:00pm	Stressors, Threats, and Solutions: Habitat Loss and Roads	
Session V: Roads Moderator: Jenn Rowe		
11:00am – 11:15am	Experiments with directive fencing for amphibians	Barb Beasley
11:15am – 11:30am	Impacts of road mortality on the Western Rattlesnake (<i>Crotalus oreganus</i>) in British Columbia	Stephanie Winton
11:30am – 11:45am	Lessons learned for amphibian and reptile road crossings in Ontario	Kari Gunson
11:45am – 12:00pm	Forestry impacts on amphibians and small wetland habitats	Elke Wind
12:00pm – 1:00pm	Q&A and Lunch Break	
Time	Topic	Presenter
1:00pm – 3:00pm	Stressors, Threats, and Solutions: Conservation Biology	
Session VI: Monitoring and Solutions		
1:00pm – 1:15pm	Using crowdsourced data for evaluating species status and trends	Charles R. Peterson and Patrick D. Giltz

1:15pm – 1:30pm	Considering the <i>ex situ</i> needs of Canadian snakes: An inclusive and participatory approach to conservation planning	Stephanie Winton
1:30pm – 1:35pm	eDNA Surveys for foothill yellow-legged frogs (<i>Rana boylei</i>) in Oregon	Jade-Keehn
1:35pm – 1:50pm	The life and times of Northern Rubber Boas (<i>Charina bottae</i>): A brief look into a long-term recapture dataset.	Mark Leppin
1:50pm – 1:55pm	“If you build it, they will come”: Creating an amphibian-friendly stream	Jessica Harvey
1:55pm – 2:10pm	Effects of habitat features on long toed salamander populations	Charity Blaney
2:10pm – 2:20pm	Break and Questions	
2:20pm – 3:10pm	Updates and Closing Remarks	
2:20pm – 2:35pm	PARC DEITT: Introductions and updates	Staci Amburgey
2:35pm – 2:55pm	NW PARC Updates	Laura Sprague
2:55pm – 3:10pm	Follow-up Discussion: Q & A and Closing Remarks	Mark Thompson, RPBio – APB Past President, Conference Co-Chair Laura Sprague , NW PARC Director, Conference Co-Chair