



Responsible Recreation: Pathways, Practices & Possibilities

May 9-10, 2023

Revelstoke BC Community Centre & Online

*Indicates that this item is *not* available to online attendees

Tuesday, May 9, 2023

8:30 am **Registration & coffee**

9:00 am **Welcoming remarks**

9:15 am **Opening address** and welcoming, Shelly Boyd, cultural facilitator for the Sinixt Confederacy of the Colville Tribes (Arrow Lakes)

RESPONSIBLE RECREATION: PROBLEMS

9:30 am **Panel Discussion: How do we impact wildlife with recreation?**
 Ryan Gill, Wildlife Science Centre and University of British Columbia,
 Kim Heinemeyer, Director of Conservation Science, Round River Conservation Studies,
 Doris Hausleitner, Seepanee Ecological Consulting, Selkirk College, and
 Steve Michel, Parks Canada Agency, National Human Wildlife Conflict and Coexistence Specialist.
 Moderated by: Danielle Backman, Parks Canada, Mount Revelstoke and Glacier National Parks.

10:30 am **Refreshment and Networking Break**

RESPONSIBLE RECREATION: PATHWAYS

11:00 am **Backcountry recreation management planning for wildlife: What tools do we have, where can we improve?** Jeremy Ayotte, Phyla Biological Consulting & Shuswap Trail Alliance

11:20 am **Simulating current and future impacts on ʔa-kxamis qapi qapsin (All Living Things): the role of recreation**, Nikki Heim, Ktunaxa Nation Council

11:40 am **Comparing traditional and user-generated tools for measuring outdoor recreation intensity**, Talia Vilalta Capdevila, Yellowstone to Yukon Conservation Initiative

12:05 pm **Lunch Break and Networking**

1:00 pm **The Roaming Closure – using GPS collared caribou to manage snowmobiling across the Central Selkirk Mountain caribou herd**, Aaron Reid, BC Ministry of Water, Land, and Resource Stewardship

1:20 pm **Best Practices for Minimizing Wildlife Disturbance with Trail Planning, Design and Management**, Magi Scallion, McElhanney and Kim Titchner, Bear Safety and More Inc.

1:40 pm **Leave no trace ... of invasive species!** Jessica Booth, Columbia Shuswap Invasive Species Society

1:55 pm **Refreshment and Networking Break**

2:25 pm	Panel Discussion: Pathways to minimize and mitigate recreational impacts to ecosystems with Recreation Sites and Trails BC Moderated by Jeremy Ayotte, Phyla Biological Consulting & CMI
3:05 pm	Responsible recreation in small BC communities and its challenges , Ximena Diaz Lopez, Outdoor Recreation Council of BC
3:25pm	HeliCat Canada's vision 2030 and the Wildlife and Environmental Research Fund , Ross Cloutier, Helicat Canada
3:45pm – 5:15 pm	Happy hour and exhibitors fair * See list of poster presentations and exhibitors

Community keynote: May 9, 7:00 – 9:00 pm *

Join us for a free and open-to-the-public talk and film screening. On this evening, we'll be looking at responsible recreation through the lenses of climate and culture with Sinixt cultural facilitator for the Colville Tribes *Shelly Boyd*, outdoor recreation researcher *Natalie Knowles*, a screening of the film *Beyond Begbie* and a panel discussion. Panel participants include the aforementioned and film producer Nat Segal, and *Dale Tomma*, Indigenous Liaison for the City of Revelstoke's Economic Development Department.

Adventures in a warmer world: Responding and decarbonizing the outdoor industry,
Natalie Knowles, University of Waterloo and Protect Our Winters

Event partners

Columbia Mountains Institute is pleased to work with these agencies in hosting this event:



Event sponsors

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Wednesday, May 10, 2023

8:30 am	Check-in & coffee
9:00 am	Welcome back by Master of Ceremonies
RESPONSIBLE RECREATION: PRACTICES & POSSIBILITIES	
9:10 am	Efforts to balance species habitat needs with recreational pressures in BC Parks in the Kootenays , Amanda Weber-Roy, BC Parks
9:30 am	Management planning and strategic environmental assessment as a tool to achieve recreation and conservation objectives in national parks , Alex Taylor, Parks Canada
9:50 am	Participatory decision making and adaptive management used to implement and maintain recreation management plans , Jen Bellhouse and Adrian Bostock, Shuswap Trail Alliance
10:10 am	Indigenous inclusion and recreation on the landscape: The Harper Lake Collaboration , Brad Arnouse, Neskonlith Indian Band and Colin O'Leary, Colin O'Leary and Associates
10:30 am	Refreshment and Networking Break
10:50 am	Panel Discussion: Responsible recreation education efforts - best practices for changing behaviours Clara-Jane Blye, Leave No Trace Brian Pratt, Four Wheel Drive Association of BC, and Tread Lightly Sandra Riches, BC Adventure Smart Sherry Lu, BC Parks Hosted and moderated by Louise Pedersen, Outdoor Recreation Council of BC
11:50 am	Lunch and Networking Break
1:00 pm – 2:30 pm	WORKSHOPS FOR RESPONSIBLE RECREATION: PRACTICES * Running concurrently, you choose one of the three options below.
	Using Ethical Space to support recreation planning in the Upper Columbia Region , Hosted by Moe Nadeau & Gwen Bridge, Gwen Bridge Consulting
	Loving our Parks to Death? Exploring proactive and systematics approaches to visitor management Hosted by Clara-Jane Blye, RC Strategies and University of Alberta, and Michael Goodyear, Trans Canada Trail
	Measuring and managing: Recreation planning in the Columbia and Rocky Mountains , Hosted by Annie Loosen and Nadine Raynolds, Yellowstone to Yukon Conservation Initiative, and Jeff Zukiwsky, Zumundo Community and Environmental Planning
2:30 pm	Refreshment and Networking Break
2:50 pm	Conversation Cafe * Breakout group discussions, see list of discussion hosts and topics below
3:50 pm	Closing comments *

<p>Wednesday, May 10</p> <p>5:30 pm – 7:00 pm</p>	<p>Revelstoke Area State of the Backcountry Report – Unveiling*</p> <p>Social hosted by City of Revelstoke Economic Development Commission and Tourism Revelstoke</p> <p>All are welcome! 301 Victoria Rd. Enter through side door on the ally side</p>
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Posters & Exhibits

POSTERS

- **It does not take much: recreation impacts on wolverine habitat use in protected areas**, Mirjam Barrueto, University of Calgary
- **Responsible recreation in small BC communities and its challenges**, Ximena Diaz Lopez, Outdoor Recreation Council of BC
- **Environmentally responsible trail planning within Whistler’s Recreational Trails Strategy**, Simon Fry, Cascade Environmental Resource Group Ltd
- **Movement ecology of southern mountain caribou in response to COVID-19 lockdowns**, Ryan Gill, University of British Columbia and Wildlife Science Centre
- **Addressing the risk of non-motorized watercraft as a vector for spread of aquatic invasive species in the mountain national parks**, Megan Goudie, Parks Canada
- **Public lands reimagined: Bettering the relationship between wildlife and recreation across Washington State**, Kurt Hellmann, Conservation Northwest
- **Guidelines near wolverine dens in the montane regions of Western North America**, Doris Hausleitner, Sepanee Ecological Consulting
- **Caving, climbing and Chiroptera (bats!)**, Mandy Kellner, Ministry of Water, Land and Resource Stewardship
- **Invasive species, the tourists we don't want - What you can do to prevent the spread**, Megan MacPhee, East Kootenay Invasive Species Society; Jessica Booth, Columbia Shuswap Invasive Species Society, Kalena Olynyk, Central Kootenay Invasive Species Society
- **Recreation in bear country: towards understanding spatio-temporal overlap of recreation and grizzly bear habitat**, Brynn McLellan, Yellowstone to Yukon Conservation Initiative
- **Seasonal trail restrictions to reduce grizzly bear-human conflict in Banff, Yoho and Kootenay National Parks**, Steve Michel, Parks Canada Agency
- **Recreation use patterns and grizzly bear den site encounters in Alberta national and provincial parks**, Steve Michel, Parks Canada Agency
- **Skiing in the trees: Collaborative Whitebark Pine recovery in ski tenures**, Randy Moody, Whitebark Pine Ecosystem Foundation of Canada and Natalie Stafl, Ecologist Team Leader, Mount Revelstoke and Glacier National Parks
- **Observe and report! Collecting valuable biodiversity data while recreating**, Lara Phillips, Invasive Species Council of BC
- **On the Positive Side: Outdoor recreation as a source of commitment toward conservation – a compelling real-world example**, Yann Troutet, Association Eaux-Vives Mingaine

EXHIBITORS

BC Snowmobile Federation
City of Revelstoke Economic
Development
Confederated Tribes of the Colville
Reservation, Sinixt Fish & Wildlife Div
College of the Rockies: Recreation
Management
Four Wheel Drive Association of BC
TreadLightly
GreenStep Solutions
Headwaters Marketing
McElhanney

Outdoor Recreation Council of BC
Revelstoke Cycling Association
Revelstoke Snowmobile Club
Selkirk College, Environment and
Geomatics & Selkirk Innovates
Selkirk Tangiers Heli Skiing
Shuswap Trail Alliance
Tourism Revelstoke
WildSafeBC
Yellowstone to Yukon Conservation
Initiative
Zuc'min Guiding

Workshop Descriptions

Participants can *choose one* of three workshop options running concurrently, May 10, 2023.
1pm – 2:30pm.

WORKSHOP 1: RESPONSIBLE RECREATION AND ETHICAL SPACE

McPherson Room

In 2019, British Columbia (BC) adopted Bill 41: The Declaration on the Rights of Indigenous Peoples Act (DRIPA). DRIPA committed BC to develop a new planning framework, modernized land use planning, that involves ethical collaboration with Indigenous Peoples. However, planning policy and practice is missing clear frameworks to implement ethical decision-making. In particular, the Upper Columbia region of BC is a growing concern among many groups. The Upper Columbia is facing threats from climate change, the inundation of human uses including forestry, mining, and commercial and public recreation, and little understanding of how to respectfully engage Indigenous neighbours. Ethical Space, a conceptual approach used to balance power between Indigenous and non-Indigenous people, proves to be a promising framework to support this need. This research reveals key insights regarding current government interests in addressing the cumulative effects of backcountry recreation. Applying Ethical Space, this research provides recommendations for Upper Columbia governments to build relationships through mutually identified recreation goals.

Workshop lead:

Moe Nadeau (she/her) is a passionate and innovative community-based professional, with experience in natural resource and planning fields. Specializing in Ethical Space, Moe considers how collaborative processes support equitable governance and decision-making. She holds a bachelor's in Environmental Science and a master's in Resource Management. Moe's interests lie at the intersection of equity, climate, and outdoor recreation. Moe is a skilled facilitator and presenter, who loves bringing people together. Her passion for systems thinking and promoting Ethical Space dialogue, creates a positive and approachable space for understanding complex issues.

WORKSHOP 2: LOVING OUR PARKS TO DEATH? EXPLORING PROACTIVE AND SYSTEMATICS APPROACHES TO VISITOR MANAGEMENT

Boulder Room

Though visitor management issues have been on the rise throughout Canada's parks systems for the past decade, the recent rise in outdoor recreation has taken visitor management challenges to a new level. While these increases in visitation can be detrimental there are

simultaneously important benefits to connecting more people with nature and fostering stewardship behaviours. There has never been a more important time for outdoor recreation organizers, guides, tourism operators and municipal, regional, provincial, and national park and protected area land managers to invest in visitor management meaningfully and strategically. This workshop will focus on how land managers and outdoor recreation providers can use the Visitor Use Management Framework (VUMF), a flexible process for managing visitor use across public lands, protected areas, and outdoor recreation destinations (IVUMC, 2016). This approach is collaborative and seeks to develop long-term strategies for providing public access to trails and natural spaces, protecting environmentally sensitive areas, and managing recreation impacts. The purpose of the framework is to provide cohesive guidance. It is also intended to provide a legally defensible, transparent decision-making process that ensures agency accountability, and provides sound rationales upon which to base management decisions and actions.

Through this interactive workshop, participants will be better prepared for proactive, effective VUM with an enhanced understanding of visitor impacts, strategies, and tools to anticipate, avoid, reduce, mitigate, and manage visitor related issues. We will introduce and apply the key steps in the VUMF so that participants have the opportunity to apply the VUMF and leave with systematic approaches and practical skills that can be immediately applied to facilitate high-quality visitor experiences and proactively manage visitor impacts.

Workshop leaders

Clara-Jane Blye is an Instructor of Recreation Management at Dalhousie University and a senior PhD candidate at the University of Alberta, in the Faculty of Kinesiology, Sport, and Recreation. She studies environmental psychology and focuses on Leave No Trace behaviours, nature relatedness, and connecting new and diverse populations to Canadian parks. Not only is she passionate about her work in the recreation and parks industry, she also believes strongly in giving back to her community. CJ is currently a board member of Leave No Trace Canada and is the vice president of the board with Free Play for Kids.

Michael Goodyear brings more than two decades of experience in the trail sector to his role as Director of Policy & Stakeholder Relations with Trans Canada Trail. He works with local Trail groups, destination marketing organizations and government stakeholders to explore opportunities to improve the experience of Trail users and make the Trans Canada Trail more attractive to national and international visitors.

WORKSHOP 3: MEASURING AND MANAGING: RECREATION PLANNING IN THE COLUMBIA AND ROCKY MOUNTAINS

Main hall

This interactive workshop will share approaches to measuring recreation use and intensity across the Columbia and Rocky Mountains and lessons learned from recreation planning in the Kooecanusa area of BC. Recent research and planning projects offer insight to support quality recreation experiences while reducing impacts on wildlife and people. We will explore knowledge and data gaps and how recreation and access planning processes can be improved for our own backyards. And, without a formal planning process underway in your region, what can you do to get a head start?

Workshop leaders

Nadine Raynolds has lead a variety of environmental and social well-being initiatives – from creative community projects to national education programs and advocacy campaigns. Nadine has been an organizer, educator, youth mentor, researcher, local government official, and is now a Manager with the Communities & Conservation team with the Yellowstone to Yukon Conservation Initiative (Y2Y). Based on the shores of Slocan Lake, Nadine works with local, provincial, and Indigenous organizations, businesses, and governments to achieve the vision of people and wildlife thriving together across this vast geography. Nadine is an avid mountain biker, split boarder, mushroom hunter, and dog walker.

Annie Loosen is an applied ecologist with over two decades of experience working in the US, Canada, Europe, and Russia. Annie is interested in the intersection of wildlife and human development, and how wildlife abundance, movements, and human-wildlife conflicts are influenced by altered landscapes. In addition, Annie has worked with provincial, federal, and local and international governments to standardize monitoring methods to reach common goals and objectives. Annie is a Registered Professional Biologist in BC and currently leads the collaborative research project with Yellowstone to Yukon Conservation Initiative and the University of Northern British Columbia on recreation ecology in western Alberta and eastern BC.

Jeff Zukiwsky is a Professional Planner based in Fernie, B.C., with 15 years' experience focused on strategic community and environmental planning. He has worked on a broad range of projects from small community plans to national strategies and assessments. Jeff holds Bachelor of Tourism Management degree and Master of Resource Environmental Management with a focus on tourism and recreation management. Over the past eight years, he has worked with government, First Nations and stakeholders to develop and implement recreation management strategies in the Kooecanusa reservoir area in BC.

Conversation Cafe

May 10, 2023. 2:50pm – 3:50pm. Main hall.

The Conversation Cafe is an opportunity to synthesize the learning from the conference and draw on the wisdom of everyone present. Small groups will discuss the nuggets collected throughout the conference and will contribute to the co-creation of a “Pathways, Practices, and Possibilities” document. This document (collated and edited afterwards) will be a tangible take-away from the conference that can be used by all participants to help inform their work on creating and improving recreation management in BC. All participants will receive the document by email after the event.

Discussion leaders:

Adrian Bostock, Shuswap Trail Alliance
Trevor Hann, Recreation Sites & Trails BC
Doris Hausleitner, Seepanee Ecological & Selkirk College
Kurt Hellman, Conservation Northwest
Jason Jones, Golden Backcountry Recreation Access Committee, Golden + Area A Trail Alliance

Cory Legebokow, MWLRS
Meghan Tabor, Tourism Revelstoke & Revelstoke Cycling Association
Amanda Weber-Roy, BC Parks
Jeff Zukiwsky, Zumundo Community and Environmental Planning
And others...

Event partners

Columbia Mountains Institute is pleased to work with these agencies in hosting this event:





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The Columbia Mountains Institute of Applied Ecology (CMI) is a non-profit society based in Revelstoke, British Columbia. CMI hosts science-informed events and specialized courses, workshops, webinars and the like, that benefit managers, researchers, educators, and natural resource practitioners across British Columbia and beyond. Our website offers many resources, including conference summaries, talk recordings, partner links, and more. Ask at the registration desk about joining CMI!

A big thanks to the members of this event planning committee:

- | | |
|---|--|
| Jeremy Ayotte, Phyla Biological Consulting, CMI | Recreation Access Committee and Golden + Area A Trail Alliance |
| Marc-Andre Beaucher, Creston Valley Wildlife Management Area, CMI | Richard Klafki, Nature Conservancy of BC |
| Jen Bellhouse, Shuswap Trail Alliance | Renae Mackas, Masse Environmental, CMI |
| Adrian Bostock, Shuswap Trail Alliance | Michael Proctor, Trans-border Grizzly Bear Project, Kootenay Connect, & the IUCN Species Survival Commission |
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| Doris Hausleitner, Seepanee Consulting, Selkirk College, CMI | Amanda Webber-Roy, BC Parks |
| Jason Jones, Golden Backcountry | Brendan Wilson, Selkirk College, CMI |

Thank you to our event volunteers:

- | | |
|---|---|
| Catherine Craig, Ausenco, CMI | Randy Moody, Whitebark Pine Ecosystem Foundation of Canada, CMI |
| Brett Elmslie, Shearing Ecological, CMI | Isobel Phoebus, Girls on Ice Canada |

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