

**CONFERENCE SCHEDULE**All talks and sessions take place in the Parq Grand Ballroom (4<sup>th</sup> floor)

<b>FRI 25<sup>TH</sup></b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>0700 - 0830</b>	Registrant sign-in / poster set-up / load presentations					
<b>0730 - 0830</b>	<b>COFFEE (&amp; snacks)</b>					
<b>0830 – 0845</b>				Welcome: Conference Chairs		
<b>0845 – 0900</b>				Welcome: Finn Donnelly, MLA		
<b>0900 – 0945</b>				Plenary lecture, J.C. Stevenson Award: Dr. Chelsea Rochman — Plastic pollution in the Laurentian Great Lakes: the state of the science and how it informs policy		
<b>0945 – 1030</b>				Plenary lecture, Frank H. Rigler Award: Dr. Sherry Schiff — Paths to Discovery: Eureka, Surprise or “Of Course”?		
<b>1030 – 1100</b>	<b>COFFEE BREAK</b>					
	<b><i>Applied Science: Barriers, Flows, and Connectivity</i></b>	<b><i>Evolution and Genomics</i></b>	<b><i>Contaminants and Water Quality</i></b>	<b><i>Recreational Fisheries: The Human and Biological Dimensions</i></b>	<b><i>Fish Movement</i></b>	<b><i>Indigenous Management Systems</i></b>
<b>1100 – 1115</b>	Alexandra Laudadio — New tools for fish passage restoration: a national barrier database and watershed-based planning framework	Braden Judson — Neutral evolutionary processes promote fine-scale differentiation among small populations of cave-dwelling Icelandic Arctic charr ( <i>Salvelinus alpinus</i> )	Rachel Pomerleau — Monitoring contaminant loads in FSC fishes in Southern Labrador	Stephen Johnston — Reel Impacts: Post-release mortality of capture and released Chinook salmon in marine recreational fisheries	Bryce O'Connor — Linking spatial stream network modeling and telemetry data to investigate thermal habitat use by Arctic Grayling	Ryan Benson & Jeannette Armstrong — Syilx Okanagan Nation Salmon Restoration: A Syilx Science Model
<b>1115 – 1130</b>	Zachary Sherker — Rivers and roads:	Caleb Wong — Assessing genetic	Michael Rennie — Where's the beef?	Auston Chhor — Temporary retention	Jake Brownscombe — Application of	

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	Effectiveness monitoring for culvert remediations to improve salmon passage	structure and diversity of sauger ( <i>Sander canadensis</i> ) populations in Manitoba	Nanosilver exposure reduces food web energy transfer in natural fish populations by half	in cold water reduces post-release behavioural impairment in angled Rainbow Trout ( <i>Oncorhynchus mykiss</i> )	telemetry and stable isotope analyses to inform the resource ecology and management of a marine fish	
<b>1130 – 1145</b>	Daniel Enright — Evaluating the consistency of ecological responses to minimum flows by salmonids	Maria Lisette Delgado — Temporal genomic variation of Atlantic Cod's ( <i>Gadus morhua</i> ) inshore and offshore populations in NW Atlantic	Shelley Arnott — Current water quality guidelines for chloride do not protect aquatic ecosystems	Emma Lunzmann-Cooke — Investigating post-release mortality of coho salmon in a marine recreational fishery	Benjamin L. Hlina — Thermal Habitat Constraints Influence the Space Use of a Cold-Water Fish in a Multibasin Lake	Will Atlas, Spencer Greening, Andrea Reid — Indigenous Systems of Management for Culturally and Ecologically Resilient Pacific Salmon ( <i>Oncorhynchus spp.</i> ) Fisheries
<b>1145 – 1200</b>	Jordanna Bergman — What are the ecological impacts of winter water level drawdowns on muskellunge in Canada's historic Rideau Canal?	Robert Hechler — Non-invasive gene expression profiling: Using environmental RNA (eRNA) to detect heat-stress in <i>Daphnia pulex</i>	Caleb Sinn — General Findings, Program Development, and Trajectory of Winter LakeKeepers, a Citizen Science Program Enabling Winter Lake Monitoring in Alberta	Brian J. Hendriks — Depth and rates of movements of marine captured and released adult Chinook salmon	Caleb Jetter — Fine-scale movement patterns and behavior states of white sturgeon in a regulated river	William Housty — Traditional and ongoing Haíłzaqv salmon management: progress towards implementing Ġvīlas and łáxvái in a contemporary context
<b>1200 – 1215</b>	Sarah Glowa — Modelling the risk of fish stranding due to hydropeaking in a large continental river	Matt Thorstensen — A resource of thirteen tissue-specific transcriptomes for the lake sturgeon	Marie Hannan — Does Road Proximity Affect Aquatic Invertebrates in Arctic Lakes?	Kaitlyn Zinn — Effects of angling approaches and riverine water temperature on survival to spawning grounds of marine	Morgan Piczak — Spatial ecology of non-native common carp ( <i>Cyprinus carpio</i> ) in Lake Ontario with implications for management	Myrle Ballard — Dragging the Line: Reflections using 3-eyed seeing and voices of past, present, and future of Lake St. Martin

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		<i>(Acipenser fulvescens)</i>		captured and released Chinook salmon		
<b>1215 – 1230</b>	Paige Roper — Three Years of Juvenile Pacific Salmon Movement through a Previously Impassable Barrier and Roles of Estuarine Connectivity in the Fraser River Estuary, British Columbia, Canada	William Bugg — Transcriptome-wide patterns reveal population-specific responses to increasing temperatures in developing lake sturgeon ( <i>Acipenser fulvescens</i> )	Kennedy Bucci — Polyethylene microplastics collected from Lake Ontario induce trans-generational impacts to fathead minnows	Jean-Michel O. Matte — Divergent responses to experimental size-selective harvesting in wild brook trout populations	Jordanna Bergman — Tracking the early stages of an invasion with biotelemetry: behaviour of round goby in Canada’s historic Rideau Canal	Janna Chegahno, C. Harpur, E. Dunlop, R. Lauzon, J. Chegahno, B. Redford, C. Akiwenzie — Together with Giigoonyag: A two-eyed seeing approach for learning about Dikameg in Lake Huron
<b>1230 – 1330</b>	<b>LUNCH</b>					
	<b><i>Fish Habitat</i></b>				<b><i>Tribute to Kim Hyatt</i></b>	
<b>1330 – 1345</b>	<del>CANCELLED Greig Oldford — River connectivity from a fish’s perspective</del>	Matthew Josephson — How environmental enrichment in hatcheries effects long term gene expression changes in Coho Salmon ( <i>Oncorhynchus kisutch</i> ).	Jesse Vermaire — Microplastic composition and concentration in the Ottawa River and agricultural biosolid applications as potential sources of microplastics to aquatic ecosystems.	Brian Heise — Walk Before you Run: Laying the Groundwork for Smallmouth Bass Suppression in Cultus Lake, BC	Richard Bailey — A Tribute to Kim Hyatt - Background and Introduction	Andra Florea — Biological characterization of Icelandic scallops ( <i>Chlamys islandica</i> ) and modeling of their predicted distribution based on local indigenous knowledge (Sanikiluarmit Qaujimajatuqangit) in the Belcher Islands, Nunavut
<b>1345 – 1400</b>	Michael Manning — Assessing	Chelsea Frank — Examining Effects of	Mubashshera Rahman — A	Jessika Guay — Impacts of non-	Don MacKinlay — Lake fertilization in	Cameron Pye — Using adaptive

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	hybridization risk between native Bull trout and introduced Brook trout using habitat modeling	Triploidization and Probiotic Therapy on Triploid Chinook Salmon ( <i>Oncorhynchus tshawytscha</i> ): A Behavioural Genomics Approach	paleolimnological study to assess the water quality changing trend of currently eutrophic Colonel By and Dog lakes of Cataraqui watershed	native species on fishing experiences and angler behaviour: The case of pink salmon in Norwegian rivers	BC: Past, Present, and Future?	management through community-based stewardship to investigate the presence of abandoned, lost, and discarded fishing gear (ALDFG) to protect Golden Cod in the Gilbert Bay Marine Protected Area (GB-MPA)
<b>1400 – 1415</b>	Taylor Ward — Spatial ecology of co-occurring bull trout and lake trout in a large reservoir	Arthur Bass — The spatial distribution of infectious agents in early marine Pacific salmon and associations between infection and cohort survival	Isaac Armstrong — Paleolimnological analysis of cumulative stress effects on ecological recovery in the historically impacted St. Lawrence River at Cornwall, ON	Vivian Nguyen — “Provisional Fisheries”: a potential important subsection of recreational fisheries in the Great Lakes	Wilf Luedke — Risk Assessment Method for Salmon (RAMS)	Scott Grant — Strategic Multi-Year Fisheries Resource Assessment Project in the Arctic: Building Capacity of Northern Inshore Collaborative Research
<b>1415 – 1430</b>	Jayme Menard — Understanding the distribution and life history of invasive Prussian carp: field biology augmented by citizen science	Emiliano Di Cicco — Evaluation of the efficiency of eDNA testing to monitor the fish health status of salmon farms in the Broughton Archipelago	Katherine Moir — Spatiotemporal analyses of diatom assemblages from metal-contaminated sediments in the St. Lawrence River (Cornwall, Ontario)	Sarah Schreier — Force Marriage or Perfect Union? Learnings from over 20 years of building and maintaining relationships between people and science, for the recovery and protection of Fraser River White Sturgeon	Diana Dobson — Adaptation responses of fisheries and fisheries managers to climate induced impacts on sockeye salmon returns to Barkley Sound, British Columbia: Kim Hyatt’s meaningful contribution to	Samantha Zabudsky — Video technology as a method to analyze populations of <i>Cucumaria frondosa</i> in the inshore environment of Nunavut, Canada

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					innovation in salmon management	
<b>1430 – 1445</b>	Jacqueline Huard — Intertidal beach habitat suitability model for Pacific sand lance, <i>Ammodytes personatus</i> , in the Salish Sea, Canada	Natalie Benoit — Using environmental DNA to assess density of juvenile <i>Oncorhynchus tshawytscha</i> (Chinook salmon)	Kyra St. Pierre — What happens on land does not stay on land: extending the watershed to nearshore waters on British Columbia’s Central Coast	Paige Levangie — Social media as a source for recreational fishing data: Striped Bass <i>Morone saxatilis</i> in Nova Scotia	Jeffrey K. Fryer — Reflections on 35 years working with Okanagan Sockeye, the ONA, and Kim	Jennifer Sylliboy — UINR’s Approach to Using Two-Eyed Seeing in Aquatic and Fishery Management
<b>1445 – 1500</b>	Alyssa Nonis — Assessing habitat associations of juvenile salmonids using stream metrics derived from Airborne Laser Scanning	Christoph Deeg — Exploring the winter salmonosphere in the open ocean with genomic tools	Sandra Klemet-N’Guessan — Effects of latitude, dissolved organic carbon, and phosphorus on nutrient excretion of aquatic animals	Sean Simmons — Growing Fisheries Research and Management Through Angler Engagement	Howie Wright — Okanagan Nation Alliance’s Okanagan Basin Sockeye Salmon Restoration Summary (1995-2021)	Leah Creaser — Braiding knowledge systems with Etuaptmumk; initial conversations leading to continued communication and collaboration with Indigenous communities for Netukulimk in fish research.
<b>1500 – 1515</b>	Allen Curry — A Spawning and Incubation Habitat Matrix for Brook Trout ( <i>Salvelinus fontinalis</i> )	Kristi Miller-Saunders — Cumulative stressor impacts: towards a holistic measure of salmon health and condition	Jillian Lightbown — Examining the relationship between water quality, microbial communities, and land use in the North Saskatchewan River basin	Danielle Quinn — MyCatch: A Digital Platform for Angler-Collected Fisheries Data	Don McQueen — Age-structured interactions among Sockeye Salmon fry, kokanee, Mysis and their zooplankton prey in Skaha Lake, British Columbia	Clint Jacobs — Making Space: Support of Indigenous-led Approaches to Fisheries Research, Management, Conservation, and Protection
<b>1515 – 1530</b>	Jordan Rosenfeld — Water quality and	Kelsey Mercer — Variability in egg	Cale Gushulak — Eutrophication of	Sean Simmons & Danielle Quinn —	Richard Bussanich — Okanagan sockeye	Shayenna Nolan & Corbin Jacobs —

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	habitat effects on larval Nooksack dace growth, survival, and recruitment	hatching time as evidence of a bet-hedging strategy in Japanese medaka ( <i>Oryzias latipes</i> )	agricultural wetlands through direct additions of nitrogenous fertilizer urea: implications for regional water quality	MyCatch Tournaments: Customized Catch-Photo-Release Events and Angler Engagement Strategies to Enhance the Quality of Angler-Collected Data	out of basin factors affecting adult and juvenile migration	Integrating storytelling into management strategies
<b>1530 – 1600</b>	<b>COFFEE BREAK</b>					
<b>1600 – 1615</b>	Jill Brooks — Hypoxia induced habitat compression and broad-scale walleye ( <i>Sander vitreus</i> ) movements.	Daniel Ruzzante — The estimation of population abundance in Atlantic halibut using genomics and the CKMR approach	Matthew Bogard — Patterns of productivity and net metabolism in a hypereutrophic wetland receiving effluent from multiple sources	Trevor Avery — Angling for recreational fisheries data	Karilyn Alex and Clint Alexander — Dr. Kim Hyatt’s role in the creation of the Okanagan Fish-Water Management Tool	Tim Hollinger — Biinjitiwaabik Zaaging Anishinaabek (BZA-Rocky Bay) Lake Nipigon Contaminants study: Reclaiming Lake Nipigon management through fish contaminants, water quality and sediment core analyses.
<b>1615 – 1630</b>	Tazi Rodrigues — What Happens When the Streams Turn Off? Consequences of Boreal Lake Isolation for Lake Trout ( <i>Salvelinus namaycush</i> ) Habitat Use		Xingzi Zhou — Effluent and dissolved organic matter cycling in one of Canada’s largest restored treatment wetlands	Discussion — moderated by Steven Cooke	Daniel Selbie — Conservation and Management of Pacific Salmon Futures in an Era of Unprecedented Environmental Change: A tribute to Dr. Kim D. Hyatt	Jared Connoy — Understanding salmon-ecosystem interactions at their very limit, as told by trees and Teslin Tlingit Council knowledge holders

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					<b><i>Memorial for Jeff Hutchings</i></b>	
<b>1630 – 1645</b>	Samantha Ramirez — Modelling future risk of hypoxia in lower Fraser Valley streams		Erin Smith — Investigating nearshore water quality and ecological condition in the Kawartha Lakes, Ontario		Open forum	Brooke Woods and Jonathan Samuelson — Indigenizing Salmon Science & Management: Knowledge and Reflections of Alaska Native Peoples
<b>1645 – 1700</b>			Andrea Kirkwood — Water quality profiles and plankton communities vary according to water hardness category in lakes and tributaries across the Land Between ecotone			Jessica Black, Courtney Carothers, Peter Westley — Tamamta (All of Us) : Transforming Western and Indigenous Fisheries & Marine Sciences Together
<b>1700 – 1715</b>						Lindsey Ogston, Anu Rao, Hillary Hyland — Tsleil-Waututh Nation Indian Arm Creosote Pilings Removal, February 2021
<b>1715 – 1730</b>						
<b>1730 – 1900</b>	Dinner set-up / Poster session					
<b>1900 – 2100</b>	<b>DINNER</b>					

SAT 26TH	A & B	C	D	E	F
0730 – 0830	Coffee / registrant sign-in / load presentations				
	<b><i>Fish Ecology: Communities to Ecosystems</i></b>	<b><i>Food Webs</i></b>	<b><i>Salmon in a Changing Climate</i></b>	<b><i>Fish Physiology</i></b>	<b><i>Aquatic Habitat Restoration &amp; Partnerships</i></b>
0830 – 0845	Keith McAllister — Round Goby ( <i>Neogobius melanostomus</i> ) impacts on benthic fish communities in two tributaries of the Great Lakes	Kristen Sora — Evaluation of the Beaufort Sea Shelf Structure and Function in Support of the Tarium Niryutait Marine Protected Area	Leah Turner — Gene expression and physiological changes associated with high thermal tolerance in juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> )	Tyler Ripku — Field assessment of Fish Stress in Boreal Ecosystems using a Point of Care device	Karilyn Alex & Jeannette Armstrong — Restoring Our River: Restoring Our Responsibility
0845 – 0900	Sydney Boyachek — Invasive Chain pickerel in Kejimikujik National Park and National Historic Site: Spawning timing and effects on native fish assemblages	Félix Tremblay-Gagnon — Diet of Greenland Halibut ( <i>Reinhardtius hippoglossoides</i> ) in the Eastern Canadian Arctic and Labrador Sea, and the importance of the Northern Shrimp ( <i>Pandalus borealis</i> )	Sarah Hnytka — Local variation in Critical Thermal Maxima and agitation temperature in threatened Athabasca Rainbow Trout: implications for local acclimation of thermal tolerance.	Naomi Pleizier — Factors affecting gas bubble trauma in fish	
0900 – 0915	Alex Yeung — Old fish, new tricks: using large-scale fish presence-absence survey data to inform watershed assessment and management for the South Coast of British Columbia	Kelsey Tikka — Invertebrate mesopredator density-dependent intraspecific interactions and implications for benthic food webs and ecosystem functions	Noa Mayer — Life stage- and sex-specific variability in the upper thermal tolerance of stream-spawning Kokanee salmon ( <i>Oncorhynchus nerka</i> )	Christina Semeniuk — The effects of probiotic therapy on stress coping styles of triploid juvenile farmed Chinook salmon	Petra Szekeres — For the love of Salmon: Stories of collaboration between Yukon First Nations and a biological consulting company.
0915 – 0930	Joseph G Cormier — Remotely Sensed Riverscapes: Defining Relevant Aquatic	Neil Rooney — Collecting benthic invertebrate stable baselines at appropriate depths could	Silviya V. Ivanova — Observed versus assumed thermal occupancy in	Erik Olson — The effect of early hatchery rearing environments on female	Kate Mussett, Kasey Stirling — Weaving Together Ways of Knowing: A Lower Fraser



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	Ecosystem Scales for Riverscape Hydraulics	resolve incongruous fish stable isotope signatures	bioenergetics models for freshwater predators	coho salmon reproductive investment.	River Case Study in Decolonizing Aquatic Ecology
0930 – 0945	John Richardson — Streams and lake deltas in a meta-ecosystem context	Alexander R. Pelletier — Ecosystem Effects on Freshwater Food Web Structure: Implications for Mercury and Trace Element Dynamics	Thomas Smith — Turbulence mediates microhabitat selection by juvenile drift-foraging steelhead	Bradley Howell — Capture of spawning Brook Trout by electrofishing does not impair embryo survival	Jennifer Sarchuk, Michelle Walsh — Incorporating Western Science into Indigenous Management of Sqaleten7úwi, Sockeye Salmon, (in Secwepemctsin; <i>Oncorhynchus nerka</i> ) Restoration
0945 – 1000	Timothy Law — The context dependent nature of lake-fish communities	Carmen Kotowich — Using compound specific isotope analysis to detect whitefish population structure near thermal pollution	Emma Traynor — Effects of acute carbon dioxide exposure on juvenile salmonids	David Deslauriers — Unconventional and innovative energy budget development for a broad range of aquatic species	Shannon Harris — It takes a village: Restoring ecosystem productivity and habitat connectivity in the Alouette Watershed to conserve a rare ecotype of <i>O. nerka</i>
1000 – 1015	Jaime Grimm — Quantifying the spatial extent and elevated infection risk for microparasites originating from salmon farms	Cecilia Heuvel — Influence of species movement on stable isotope analysis in freshwater fish	Alex Niese — The effect of early life rearing conditions on later life outcomes in coho salmon ( <i>Oncorhynchus kisutch</i> )	Erin Ritchie — Calibration of accelerometer transmitters for estimation of field metabolic rates in a sexually dimorphic fish	Amy McLeod — Working together to recover native trout in Alberta; a case study on the Alberta Native Trout Collaborative
1015 – 1030	Mike Pearson — Evidence of a sharp 10-year decline in Salish sucker abundance across the Canadian range	Tim Jardine — Food web structure and mercury biomagnification in floodplain lakes of the Juruá River, Amazonas, Brazil	Louise Chavarie — The benefits of merging passive and active tracking approaches: new insights into riverine migration by salmonid smolts.	Madison Earhart — How hot is too hot? Physiological consequences of rearing white sturgeon at relevant Nechako River temperatures	Norine Ambrose — Putting Beavers to Work for Watershed Resiliency and Restoration in Alberta – Collaboration, Community Engagement and Co-existence
1030 – 1100	<b>COFFEE BREAK</b>				

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	<b><i>Cumulative Effects in Watersheds</i></b>			<b><i>Climate Extremes and Change in Aquatic Systems</i></b>	
1100 - 1115	David Browne — Cumulative effects of projects reviewed under Canada’s 2012 Fisheries Act	Kerri Finlay — Daphnia feeding selectivity under a changing climate: Analyses of 22-years of zooplankton gut and water-column pigments in seven productive lakes	Dave Scott — Potential factors influencing variation in early growth rates of juvenile Chinook salmon in the Fraser River, B.C.	Erin Stewart — Field-based critical thermal maximum (CTmax) demonstrates intraspecific variation and plasticity in thermal tolerance of a stream salmonid	Norine Ambrose — How Can Cows and Fish Co-exist? Converting Good Intentions into Effective Conservation Programs – Lessons Learned from 30 years of Cows and Fish Program Delivery.
1115 – 1130	Megan Adams — Looking ahead for salmon watersheds: an inclusive approach to predicting cumulative effects and their consequences for species health	Akaash Bansal — Impact of Cyanobacteria on Ecosystem Function: the pelagic phosphorus cycle	<del>CANCELLED Greig Oldford — Are predators to blame? Using integrative ecosystem modelling to investigate factors affecting early marine survival of coho and Chinook salmon in the Salish Sea</del>	Ella Middleton — The metabolic impacts of environmental variability associated with winter conditions in a temperate char ( <i>Salvelinus fontinalis</i> )	Katrina Keeshig — Exploring Holistic, Community-based Solutions for Aquatic Habitat Restoration
1130 – 1145	Dallas Nikal and Carolyn King — Collaborative Cumulative Effects Assessment and Monitoring for Fish and Fish Habitat in the Skeena Region	Beatrix Beisner — Land use shapes multi-trophic alpha and beta diversity of Canadian lakes	Sam Wilson — Changing outmigration phenology and phenological mismatch in juvenile salmon	Kaela Middleton — The effects of cold on activity and feeding in Atlantic and shortnose sturgeon	Jennifer Sylliboy — Two-eyed Seeing as an Approach to Collaboration
		<b><i>Fisheries Science and Management</i></b>			
1145 – 1200	Riley Finn — Using systematic conservation planning to inform	Michael Melnychuk — Eco-certification distinguishes	Rachael E Ryan — Habitat heterogeneity reduces variation in population	Britney Firth — Seasonal, environmental, and individual effects on	Closing & dialogue circles

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	restoration of freshwater habitat and connectivity for salmon	sustainability status of assessed fish stocks	dynamics of an endangered salmon complex at the southern edge of its range	hypoxia tolerance of threatened eastern sand darter ( <i>Ammocrypta pellucida</i> )	
1200 – 1215	Patrick Lilley — Resilient Waters: Reconnecting salmon habitats isolated by flood infrastructure in the Lower Fraser River	Alysa Czenze — Assessing American Lobster ( <i>Homarus americanus</i> ) demographics in the offshore regions of lobster fishing areas 33 and 34 in Nova Scotia.	Matthew Sloat — Salmon spawning habitat response to wood loss and increased flooding in Southeast Alaska	Andrew Czich — Recent and projected climate-change induced expansion of Atlantic halibut in the Northwest Atlantic	
1215 - 1230	Jennifer Buchanan — Seton River Fish and Fish Habitat Project: A Case Study in the Confounding Nature of Cumulative Effects	Meghan Donovan — Can you hear me now? Snow crab ( <i>Chionoecetes opilio</i> ) auditory capacity and evidence for eavesdropping	William M. Twardek — Understanding Chinook salmon migrations through the upper Yukon River: A collaborative research approach	Danielle Mac Rae — Quantifying dispersal functional diversity in Atlantic marine communities	
1230 - 1330	<b>LUNCH</b>				
					<b>Restoration of Freshwater Ecosystems</b>
1330 – 1345	Emily Chen — Hatchery versus wild Chinook salmon life history and implications for fisheries and water in California	Riognach Steiner — Testing new pots for the snow crab fishery to determine feasibility of new designs from a commercial perspective	Sean Godwin — Effects of sea lice on salmon in the era of climate change	Alexandra Engler — Different traits influence fish community structure differently: changes in assembly mechanisms across large scale environmental gradients	Jessica Reid — A Toolbox for the Freshwater Biodiversity Crisis
1345 – 1400	Jamieson Brett Atkinson — Assessing the Influence of Anthropogenic (log booming) and Environmental Conditions	Colin Frank — Using increasing brightness in glow-in-the-dark snow crab ( <i>Chionoecetes opilio</i> )	Tony Farrell — Piscine orthoreovirus in salmon in British Columbia: risk vs consequences	Ryan Rimas — Characterizing greenhouse gas fluxes from desiccating small	Chelsea Little — Does restoration targeting salmon habitat influence ecosystem function in urban streams?

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	on Adult Chinook Salmon Survival in Cowichan Bay, British Columbia.	spots to better understand how light influences catch		agricultural reservoirs in the northern Great Plains	
1400 – 1415	David Moulton — Effects of multiple stressors on adult Fraser River sockeye salmon physiology and survival	Kyle Krumsick — Catch me if you Stan: Bayesian estimation of size-specific selectivity and size spectrum parameters from trawl data	Amy Teffer — Pathogens associated with sockeye salmon declines	Md Noim Imtiaz — Influence of hydrological flow on dissolved organic matter properties in a river-reservoir on the Canadian prairies	Jacquelyn Wood — Hazeltine Creek Habitat Remediation Following Mount Polley TSF Breach
1415 – 1430	Shelby Stenerson — Cumulative impacts of multiple stressors on stream ecosystems: periphyton communities as bioindicators	Shannon Clarke — Effects of experimental size-selective harvesting on effective population size in wild brook trout populations	Laura Elmer — Genetic biomarkers demonstrate that migratory thermal refuges benefit adult sockeye salmon during upriver migration	Marina Taskovic — Assessing microbial functional responses to permafrost thaw slump activity on the Peel Plateau, NT	Rolf Vinebrooke — Restoration of fishless alpine lakes following introductions of invasive sportfish in Banff National Park
1430 – 1445	Vincent Fugere — Natural and anthropogenic drivers of brook trout, lake trout, and walleye abundance in Québec lakes	Tomas Araya-Schmidt — Using modified bottom trawls to tackle an emerging juvenile redfish ( <i>Sebastes spp.</i> ) bycatch problem in the offshore Northern shrimp ( <i>Pandalus borealis</i> ) fishery of eastern Canada.	Kelsie Murchy — Behavioral responses of Chinook salmon to shipping noise in Cowichan Bay, British Columbia	David Lapins — Environmental change in Yellowknife Bay, Northwest Territories, over the last two centuries inferred through diatom paleolimnological analysis	Brett van Poorten — Can non-native cutthroat trout affect bull trout recovery?
1445 – 1500	Blake R. Stuparyk — Natural versus anthropogenic drivers of lotic macroinvertebrate communities and their function across ecoregions	Vang Nguyen — An effective technique to reduce the capture of small fish in the redfish trawl fishery in Canada	Erin Rechisky — Review of acoustic tagging studies shows little evidence for dinner bell effect for Pacific salmon and steelhead	Hayley Drapeau — Organic carbon and microbial dynamics across glacierized watersheds in the Canadian Rockies	Heather Vainionpaa — An innovative nutrient restoration and biomanipulation experiment in Wahleach, a montane hydroelectric reservoir in British Columbia

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1500 – 1515	Mariella Becu — Lake deltas are hotspots along the shoreline that are impacted by upstream forestry disturbance.	Vivian Nguyen — Bridging the gap between fisheries science and management: a reflection and synthesis on 5 + years of research using biotelemetry science as a case	Merran Hague — Stay calm and think pink: Assessing Fraser River pink salmon in a time of change	Karson Sudlow — Impacts of receding glaciers on the ecosystem functioning of alpine streams in Alberta	Marley Bassett — Nutrient additions to compensate for hydroelectric impacts to restore productivity in a lake and a reservoir in the interior of British Columbia
1515 – 1530	Josh Thienpont — Landscape changes and the implications for water quality in lakes of the rapidly warming Mackenzie Delta: a decadal perspective	Elizabeth Nyboer — Identifying goals, challenges, and next steps in transdisciplinary fisheries research: perspectives and experiences from early-career researchers			
1530 – 1600	<b>COFFEE BREAK</b>				
1600 - 1700	Final and brief CCFFR Business Discussion & Society of Canadian Aquatic Sciences (SCAS) Plenary Discussion				
1700 – 1830	Dinner set-up				
1830 – 2100	<b>DINNER</b> (Poster take-down)				

## ORAL SYMPOSIUM CHAIRS

<b>SESSION TITLE</b>	<b>CHAIR(S)</b>
Applied Science: Barriers, Flows, and Connectivity	Zachary Sherker
Aquatic Habitat Restoration & Partnerships	Catherine Febria
Climate Extremes and Change in Aquatic Systems	Erin Stewart
Contaminants and Water Quality	Shelley Arnott
Cumulative Effects in Watersheds	Marta Ulaski & Megan Adams
Evolution and Genomics	Kristi Miller
Fish Ecology: Communities to Ecosystems	Mike Pearson
Fish Habitat	Guillermo Giannico
Fish Movement	Bryce O'Connor
Fish Physiology	Naomi Pleizier
Fisheries Science and Management	Michael Melnychuk
Food Webs	Tim Jardine
Indigenous Management Systems	Andrea Reid, Alexander Duncan, Spencer Greening, & Will Atlas
Recreational Fisheries	Steven Cooke
Restoration of Freshwater Ecosystems	Marley Bassett
Salmon in a Changing Climate	Samantha Wilson, Brittany Milner, & Sara Tremblay-Boyer
Tribute to Kim Hyatt	Richard Bailey & Samantha Wilson

## POSTER PRESENTATIONS

NUMBER	PRESENTER	TITLE
1	Tamika Nagao	Environmental drivers of phytoplankton communities in the Canadian Rockies under a changing climate
2	Ben Mercer	Disentangling potential antagonistic effects of removal of introduced sportfish and higher temperatures on ecological recovery in mountain streams
3	Veronica Groves	The effect of temperature and predation risk on learning in Trinidadian guppies
4	Matthew Gilbert	Behavioural and physiological overwintering strategies in Earth's most northerly distributed anadromous fish, the Arctic char
5	Pacific Salmon Foundation	A synthesis of historical and current salmon diets across estuary types in British Columbia
6	Adam Kanigan	Living in a world of feast and famine: Bull trout movements and feeding ecology in relation to salmon-derived subsidies
7	Natalie Butler	Assessing effects of acclimation temperature on thermal tolerance of stream-type juvenile Chinook salmon under climate change scenarios
8	Avery Dextrase	Thermal Preference and Behavioural Thermoregulation of Adult Sockeye Salmon in Babine Lake
9	Emily Moore	Hydroclimatic effects on the run timing of kokanee salmon and the impacts of future climate change and forest disturbance in Peachland Creek, British Columbia
10	Alicia Andersen	Vulnerability assessment for juvenile sockeye salmon using biological indicators
11	Yuliya Kuzmenko	Evidence of size and growth rates selectivity in Sockeye salmon post early marine stage
12	Tom Balfour	Effects of release size and location on the early survival of chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) on the west coast of Vancouver Island
13	Ally Badger	Habitat use and movement of coastal cutthroat trout in relation to changing flow dynamics in a small Vancouver Island stream.
14	Stephanie Lingard	Assessing residence duration in sub-yearling Chinook Salmon in a fjord estuary using micro (V3) acoustic transmitters
15	Jessica Reid	Habitat Use and Movement Patterns for Muskellunge in an Urbanized Environment
16	Jacqueline Pallard	Effects of non-native salmonids on Bull Trout in Alberta's foothills
17	Graham Mushet	Ecosystem indicators to track natural variability in fish productivity in a small boreal lake
18	Elizabeth Hirsch	Oxy-thermal habitat use of Burbot ( <i>Lota lota</i> ) in Fraser Lake, British Columbia, Canada
19	Danielle Gartshore	Using bioenergetics modelling to evaluate the impacts of <i>Bythotrephes</i> on the growth of young-of-year walleye
20	Sarah Glowa	Standard operating procedure for an unmanned aerial vehicle (UAV) in riverine ecology

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21	Felix Eissenhauer	A mark-recapture approach to estimate the annual numbers of American eel elvers ( <i>Anguilla rostrata</i> ) arriving at a dam in a large river
22	Patrick Zubick	A compliance audit of culvert barrier remediations in the Interior Fraser River Watershed.
23	Noah Kussin-Bordo	Effects of log storage in the Fraser River estuary on water quality and shoreline habitat
24	Max Miner	"Lax Kwil Dziidz: The Place That Squirts" - Harmful Algal Blooms, Ancient DNA, and Gitga'at Shellfish Mariculture at Clamstown.
25	Meghan Donovan	Incorporation of Western science and traditional knowledge in Nunavut with community engagement
26	Nicole Jung	What If Nuu-chah-nulth Worldviews Shaped Our Views of Rockfish Stewardship?
27	Vang Nguyen	Herding behavior of fish at different locations of the trawl mouth.
28	Tomas Araya-Schmidt	Underwater observations of a Northern shrimp ( <i>Pandalus borealis</i> ) bottom trawl to address an emerging juvenile redfish ( <i>Sebastes spp.</i> ) bycatch issue.
29	Samantha Zabudsky	Northern deep-sea fish communities: A comparison using camera surveys and stationary fishing gears.
30	Colin Frank	Can I get a light? Underwater light performance of glow-in-the-dark pots designed for the Newfoundland snow crab ( <i>Chionoecetes opilio</i> ) fishery.
31	Riognach Steiner	Use of large plastic collars to decrease the capture of non-legal snow crab ( <i>Chionoecetes opilio</i> ) in the Nova Scotia pot fishery
32	Giulio Navaroli	Recreational angling effects on Manitoban lake trout populations
33	Caitlin Nemecek	Genome wide patterns of structure and diversity among nine small brook trout populations in Nova Scotia: The role of genetic drift vs. local adaptation examined with low-coverage whole genome sequencing (lcWGS)
34	Nikita Konstantinov	Genetic architecture of variation in growth-related traits in rainbow trout ( <i>Oncorhynchus mykiss</i> ) chronically exposed to warmer water temperatures
35	Shreya Jain	Refining Adverse Outcome Pathways Using Japanese Medaka Embryos ( <i>Oryzias Latipes</i> ) Exposed to 2,3,7,8-Tetrachlorodibenzodioxin (TCDD)
36	Caitlyn Rix	Potential Impacts of Road Dust on Zooplankton Communities in Arctic Lakes
37	Vivian Gao	Gravel Road Runoff in an Arctic Environment: An Assessment of the Impact on Macroinvertebrates in Roadside Lakes
38	Clare Nelligan	Nearshore-offshore integration of trace metals in surface waters of the Laurentian Great Lakes
39	Madelaine Bourdages	Characterization of microplastics in surface water from the Yellowknife River and Yellowknife Bay, Northwest Territories
40	Desiree Langenfeld	Response of a freshwater zooplankton community to microplastics in an in-lake mesocosm experiment
41	Natasha Klasios	First insights into microplastic contamination in sub-surface water and zooplankton in British Columbia lakes



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<b>42</b>	Cody Veneruzzo (Tamika L. Nagao n.d.)	Effects of microplastics on Yellow Perch ( <i>Perca flavescens</i> ) metabolic rates
<b>43</b>	Aly Andersen	Influence of habitat on littoral food web energy sources in a freshwater lake
<b>44</b>	Reilly O'Connor	The Role of Across Scale Portfolio Effects in Stabilizing a Lower Trophic Level Metacommunity
<b>45</b>	Amber Fedus	Effects of macrophyte removal on lower trophic levels in a small, shallow lake
<b>46</b>	Guillermo Giannico	The use of habitat models to assess non-native trout threats to native Cyprinids in Himalayan rivers.