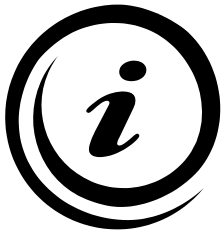
Canadian Conference for Fisheries Research
Conférence Canadienne de la Recherche sur les Pêches

Society of Canadian Limnologists
Société Canadienne de Limnologie

The Westin Ottawa
Ottawa, Ontario
8-11 January 2015

Twitter: #CCFFR @Can_Limnology @CARSAFS



REGISTRATION / INSCRIPTION

The registration desk is located on level 4, in the Nunavut room. Registration will be open from 16:00 to 21:00 on Thursday 8 January, from 8:00 to 13:00 on Friday 9 January, and from 8:00 to 10:00 on Saturday 10 January and Sunday 11 January.

Le bureau d'inscription est situé au 4e étage, dans la salle Nunavut. Il sera possible de s'inscrire de 16:00 à 21:00 le jeudi 8 janvier, de 8:00 à 13:00 le vendredi 9 janvier et de 8:00 à 10:00 les samedi 10 janvier et dimanche 11 janvier.

PRESENTATION UPLOAD / TÉLÉVERSEMENT DES PRÉSENTATIONS

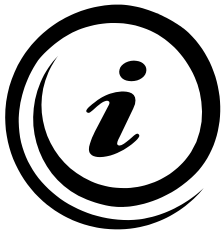
Talks must be uploaded the day before your presentation. Presenters can upload their talks next to the registration desk (Nunavut room on the 4th floor) during the same hours as registration. Microsoft Powerpoint on PC computers will be the only presentation platform supported. Please bring your presentation on a USB thumb drive.

Les présentations doivent être téléversées la veille. Les présentateurs pourront téléverser leurs présentations près du bureau d'inscription (4e étage, salle Nunavut) durant les mêmes heures d'opération que ce dernier. La seule plateforme utilisée sera Microsoft Powerpoint sur PC. Prière d'apporter vos présentations sur une clé USB.

BREAKS & LUNCHES / PAUSES ET DÎNERS

Please note that there will be no coffee service before 10:00 and that the coffee break will not include muffins or pastries. Also, lunches are not provided. The Westin is connected to the Rideau Centre where delegates can find many food opportunities for snacks and meals.

Veuillez prendre note que le café ne sera pas servi avant 10:00 et que les pauses n'incluront pas de muffins ou de viennoiseries. De plus, les dîners ne sont pas inclus dans les frais d'inscription. Le Westin est relié au Centre Rideau, un centre commercial où les délégués pourront facilement trouver plusieurs options de collations et de repas.



U OTTAWA LAB TOUR / VISITE DE LABOS À L'UNIVERSITÉ D'OTTAWA

Join Jules Blais on Thursday afternoon for a tour of the impressive research facilities at the University of Ottawa (including the aquaria). Meet at 12:30 in Westin lobby or at 13:00 at 20 Marie Curie Road on campus. Be prepared for a ~10 min walk.

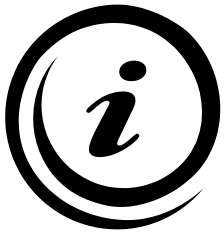
Joignez-vous à Jules Blais jeudi après-midi pour une visite guidée des installations de recherche de l'université d'Ottawa. Rendez-vous à 12:30 dans le hall d'entrée du Westin ou à 13:00 au 20 Marie Curie Road sur le campus. Prévoyez environ 10 minutes de marche.

EXPERIMENTAL LAKES AREA WORKSHOP / ATELIER SUR LA RÉGION DES LACS EXPÉRIMENTAUX

A workshop on the Experimental Lakes Area will be held on Thursday 8 January, immediately following the uOttawa lab tour. The workshop will take place at the University of Ottawa, in room 107 of the CAREG building at 20 Marie Curie Road, from 13:15 to 16:00.

Un atelier sur la région des lacs expérimentaux se tiendra le Jeudi 8 janvier, immédiatement après la visite des labos à l'université d'Ottawa. L'atelier aura lieu à l'université d'Ottawa, dans la salle 107 de l'édifice CAREG au 20 Marie Curie Road, de 13:15 à 16:00.

This program was printed with support from the Department of Fisheries and Oceans Science Branch
Ce programme a été imprimé grâce à la participation la section des sciences de Pêches et Océans Canada



POSTER SESSION / SESSION D'AFFICHES

A poster session will take place from 17:30 to 19:30 on Friday 9 January in the Confederation Ballroom foyer and a cash bar will be available. Posters will also be on display Saturday and Sunday.

Une session d'affiches aura lieu de 17:30 à 19:30 le vendredi 9 janvier dans le foyer des salles Confédération, où un service de bar sera disponible. Les affiches seront également exposées samedi et dimanche.

STUDENT SUCCESS WORKSHOP / ATELIER SUR LE SUCCÈS ÉTUDIANT

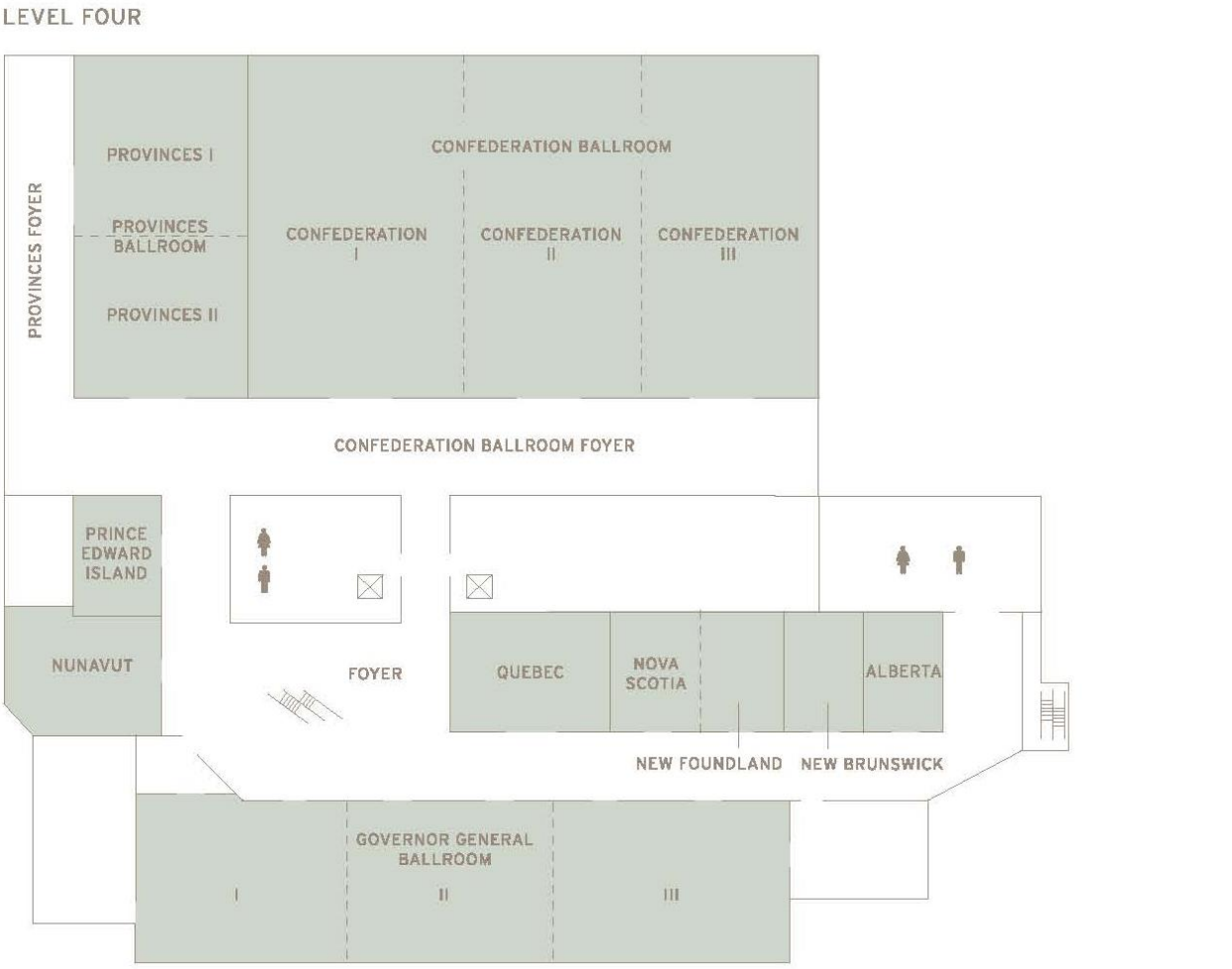
The "Student Success Workshop" (sponsored by the Education Section and Canadian Aquatic Resource Section of the American Fisheries Society and led by Mark Poesch and Steven Cooke) will be held on Sunday morning starting at 8:40 in Confederation 3. This is a FREE event and all (not just students!) are invited to attend. There will be four lively panel discussions (getting published, science communication and outreach, scoring a job or grad school position, the science-policy interface) populated with diverse experts. Bring your ideas and questions!

Un atelier sur le succès étudiant (parrainé par la section éducation et la section canadienne des ressources aquatiques de l'American Fisheries Society et mené par Mark Poesch et Steven Cooke) aura lieu dimanche matin à partir de 8:40 dans la salle Confédération III. Cet événement est gratuit et tous (étudiants, ou pas !) sont les bienvenus. Il y aura quatre débats animés (réussir à publier, communication scientifique et sensibilisation, obtenir un emploi ou accéder aux études supérieures, l'interface science-politique) auxquels participeront divers experts. Apportez vos idées et vos questions !

Westin Hotel Floorplan / Plan de l'hôtel Westin

The Conference will take place in Confederation Ballroom I, II, III; Provinces Ballroom I, II; and Governor General Ballroom I and II.

La conférence se tiendra dans les salles de bal Confédération I, II, III; les salles de bal Provinces I, II; et la salle de bal Gouverneur Général I et II.



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OTTAWA

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American Fisheries Society

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Logistics and Registration
Maja Cvetkovic, Lisa Donaldson, Shireen Bliss, Robert Lennox, Daniel Struthers

CCFFR Inc. would also like to acknowledge the contribution of those who helped at the registration desk and A/V loading.

CCFFR- Fisheries Society of the British Isles Exchange Student – Lauren Laing, University of Exeter

CCFFR-SCL 2015 themes / Thèmes CCRP-SCL 2015

1) Impacts of climate change on aquatic ecosystems
   Impacts des changements climatiques sur les écosystèmes aquatiques
   Organized by / Organisé par: Don Jackson

2) Genomic, proteomic and transcriptomic advancements in aquatic monitoring, assessment and response
   Avancées en génomique, protéomique et transcriptomique pour le suivi, l'évaluation et les réponses en milieu aquatique
   Organized by / Organisé par: Ian Bradbury and Dan Heath

3) Stable isotope and diet analyses in aquatic food webs
   Analyses d'isotopes stables et de diètes dans les chaînes trophiques aquatiques
   Organized by / Organisé par: Aaron Fisk and Tim Johnson

4) Aquaculture and its impacts on aquatic environments
   L'aquaculture et ses impacts sur les environnements aquatiques
   Organized by / Organisé par: Craig Purchase and Trevor Pitcher

5) Conservation and rehabilitation of natural habitats and biodiversity
   Conservation et réhabilitation d'habitats naturels et de la biodiversité
   Organized by / Organisé par: Jon Midwood and Jesse Vermaire

6) Understanding and managing non-native species
   Comprendre et gérer les espèces non-indigènes
   Organized by / Organisé par: Michael Fox

7) Multiple stressors and aquatic ecosystems
   Stresseurs multiples et écosystèmes aquatiques
   Organized by / Organisé par: Jules Blais

8) Collaborative fisheries research in Canada
   Recherche collaborative sur les pêches au Canada
   Organized by / Organisé par: Robert Stephenson

9) Aquatic nutrients: dynamics and algal blooms
   Nutriments aquatiques : dynamique et prolifération d'algues
   Organized by / Organisé par: Frances Pick

10) Experimental Lakes Area
    La région des lacs expérimentaux
    Organized by / Organisé par: Mike Patterson

11) General contributed papers
Contributions générales
Organized by / Organisé par: Dan Heath and Bryan Neff

12) CARS-AFS Education Section Student success workshop
Atelier sur le succès étudiant de la section Éducation de la SRAC-AFS
Organized by Mark Poesch and Steven Cooke

The "Student Success Workshop" will be held on Sunday morning and all are invited to attend. There will be four lively panel discussions (getting published, science communication and outreach, scoring a job or grad school position, the science-policy interface) populated with diverse experts. Bring your ideas and questions!

Un atelier sur le succès étudiant aura lieu dimanche matin et tous sont les bienvenus. Il y aura quatre débats animés (réussir à publier, communication scientifique et sensibilisation, obtenir un emploi ou accéder aux études supérieures, l'interface science-politique) auxquels participeront divers experts. Apportez vos idées et vos questions !

Conference-at-a-glance / Conférence en bref

Thursday, 8 January / Jeudi 8 janvier		
Time / Heure	**Event / Événement**	**Location / Emplacement**
13:00	uOttawa lab tours	Meeting at 12:30 in Westin lobby or at 13:00 at 20 Marie Curie Road on campus
13:15 - 16:00	Experimental Lakes Area Workshop / Atelier sur la région des lacs expérimentaux	University of Ottawa, CAREG building (20 Marie Curie Road), Room 107
16:00	Exhibits setup / Mise en place des exposants	Confederation Foyer
16:00 – 21:00	Registration / Inscription	4th Floor, Nunavut Room
19:00	Welcome reception / Réception de bienvenue	Governor General III

Friday, 9 January / Vendredi 9 janvier		
6:00 – 10:00	Exhibits and posters setup / Mise en place exposants et affiches	Confederation Foyer
8:00 – 16:00	Registration / Inscription	4th Floor, Nunavut Room
	Plenary session / Plénière	Confederation I
9:00 – 9:15	Opening remarks / Mot de bienvenue	
9:15 – 9:50	**J.C. Stevenson Memorial Lecture** Martin Krkosek – Fish, disease, and the future of coastal seas	
9:50 – 10:35	**F.H. Rigler Memorial Award Lecture** Daniel Schindler – Geomorphic control of ecosystem processes in river systems	
10:35 – 10:55	Break / Pause	Confederation Foyer
10:55 – 11:15	Alison Derry – Ecosystem implications of plankton dynamics in an era of climate change	
11:15 – 11:35	Anne Phelps - An overview of the fisheries protection provisions of the *Fisheries Act*: policy, science, and implementation	
11:35 – 11:55	Jake Rice - Fisheries science and management: Emerging and fading paradigms	
11:55 – 13:30	Lunch / Dîner	Open
13:30 – 15:10	Concurrent sessions / Sessions en parallèle	
15:10 – 15:40	Break / Pause	Confederation Foyer
15:40 – 17:20	Concurrent sessions / Sessions en parallèle	
17:30 – 18:30	CARS-AFS Meeting / Réunion de la SRAC-AFS	Governor General I
17:30 – 19:30	Poster session / Session d'affiches	Confederation Foyer
	Open evening – no formal social events planned	

Saturday, 10 January / Samedi 10 janvier		
8:40 – 10:00	Concurrent sessions / Sessions en parallèle	
10:00 – 10:30	Break / Pause	Confederation Foyer
10:30 – 12:10	Concurrent sessions / Sessions en parallèle	
12:10 – 13:30	Lunch / Dîner	Open
13:30 – 15:10	Concurrent sessions / Sessions en parallèle	
15:10 – 15:40	Break / Pause	Confederation Foyer
15:40 – 17:20	Concurrent sessions / Sessions en parallèle	

Saturday, 10 January (continued) / Samedi 10 janvier (suite)		
17:30 – 18:30	CCFFR Business meeting	Governor General I
17:30 – 18:30	SCL Business meeting	Governor General II
18:00 – 19:00	Pre-banquet drinks / Cocktail	Confederation lobby
19:00	Banquet	Confederation Ballroom

Sunday, 11 January / Dimanche 11 janvier		
8:40 – 10:00	Concurrent sessions / Sessions en parallèle	
10:00 – 10:30	Break / Pause	Confederation Foyer
10:30 – 12:10	Concurrent sessions / Sessions en parallèle	

Plenary abstracts / Résumés de la plénière

J.C. Stevenson Memorial Lecture - Selected by the CJFAS Editorial Board

FISH, DISEASE, AND THE FUTURE OF COASTAL SEAS

Martin Krkosek

Assistant Professor & Sloan Research Fellow, Department of Ecology and Evolutionary Biology, University of Toronto, Toronto, ON

Some coastal seas now support large populations of domesticated farmed fish which may change the dynamics of infectious disease. Changes include the introduction of novel pathogens into naïve host populations, native parasites that abruptly switch into epizootic dynamics, and the emergence of pathogen strains that cause high mortality and/or evade treatment. Marine pathogens are broadly dispersed, interconnecting farms into a meta-population of domesticated host fish in regions that also support related species of wild fish. Overall, these changes to the dynamics of infectious disease – ultimately fueled by growing global seafood demand and fisheries saturation – may impose new constraints on the sustainability of both wild and farmed fish.

F.H. Rigler Memorial Award Lecture – Selected by SCL

GEOMORPHIC CONTROL OF ECOSYSTEM PROCESSES IN RIVER SYSTEMS

Daniel E. Schindler

Professor, School of Aquatic and Fishery Sciences, University of Washington, Seattle, WA

Rivers are increasingly recognized as hotspots of ecological processes on landscapes, playing critical roles in elemental cycles and energy flows that are disproportionally large relative to the land area they cover. Changing climate and land-use fundamentally alter how river systems function, though our understanding of these responses is substantially limited by our weak ability to scale from individual sampling sites to entire river basins. Existing conceptual models of how rivers are organized across space and time remain distinctly incomplete. I will summarize evidence showing that many ecosystem processes, expressed at both local and river basin scales, are controlled predictably by basic geomorphic features of watersheds. Approaches that meld simple ecological models with spatially explicit geomorphic data provide new insights about how changing climate and land-use patterns will affect the ecology of river systems.

ECOSYSTEM IMPLICATIONS OF PLANKTON DYNAMICS IN AN ERA OF CLIMATE CHANGE

Alison Derry
Assistant Professor, Département des sciences biologiques, Université du Québec à Montréal, Montréal, QC, Canada

Community dynamics of plankton have long been recognized to play a key ecosystem role in the trophic transfer of carbon and essential elements. Recently, we discovered that interactions between phytoplankton and bacteria play an important role in greenhouse gas emissions from lake ecosystems to the atmosphere. Modulations in predator-prey interactions between different plankton groups, however, can potentially play a role in attenuating greenhouse gas emissions, which may be controlled by different forms of anthropogenic disturbance.

AN OVERVIEW OF THE FISHERIES PROTECTION PROVISIONS OF THE *FISHERIES ACT*: POLICY, SCIENCE, AND IMPLEMENTATION

Anne Phelps, Bronwyn Keatley, Jake Rice, Nicholas Winfield
Fisheries and Oceans Canada

Amendments to Canada's *Fisheries Act* modified the way fish and fish habitat are protected in Canada. The changes included a focus on fish that are part of, or support, commercial, recreational or Aboriginal fisheries, a prohibition against causing serious harm to fish, and a new framework for decision-making. This presentation will provide an overview of Fisheries and Oceans Canada's (DFO) policies and science framework as they pertain to the implementation of the fisheries protection provisions of the *Fisheries Act* and the federal role in providing for the sustainability and ongoing productivity of Canada's commercial, recreational and Aboriginal fisheries.

FISHERIES SCIENCE AND MANAGEMENT: EMERGING AND FADING PARADIGMS

Jake Rice
Fisheries and Oceans Canada

In more than three decades as a research scientist and science advisor in DFO, it has been possible to see many changes in the dominant paradigms that guide Canadian and international fisheries research and management. The talk will first highlight paradigms that have either become established - or have lost momentum (such as sustainability, precaution, no-net loss), and then consider newer ones that currently dominate dialogue, although not necessarily in ways that reflect mature consensus on what is meant by the paradigm (such as ecosystem approach, regime shift, and community engagement). The latter few minutes of the talk will look at the global scene to see what lies on the horizon for Canada's fisheries future: issues of the proposed UN Implementing Agreement for high seas biodiversity, the next generation of UN sustainable development goals, and the climate change - food security nexus. Lessons from how we have addressed the past paradigms may help us choose wisely how Canada should engage in the emerging ones.

Friday 9 January / Vendredi 9 janvier							
	Provinces 1	Provinces 2	Confederation 1	Confederation 2	Confederation 3	Governor General 1	Governor General 2
	Experimental Lakes Area	**Multiple stressors and aquatic ecosystems**	**Genomic, proteomic and transcriptomic advancements in aquatic monitoring, assessment and response**	**Aquatic nutrients: dynamics and algal blooms**	**Impacts of climate change on aquatic ecosystems**	**Aquaculture and its impacts on aquatic environments**	**General contributed papers**
13:30	Long term changes in nutrient dynamics and plankton in an experimental reservoir *Michael Paterson*	Multiple stressors involved in loss of critical muskellunge habitat in southeastern Georgian Bay: Water levels, site geomorphology, shoreline modifications and invasive species *J. Daniel Weller*	Mechanisms of reproductive toxicity following exposure to bisphenol A in Zebrafish (*Danio rerio*) *Lauren Laing*	More than 20 years of internal phosphorus load and its effects of polymictic eutrophic Lake Winnipeg, Manitoba *Gertrud Nurnberg*	Application of plant biomarkers in lake sediment cores to track the impacts of climate warming on aquatic ecosystems in the sporadic permafrost zone *Jennifer Korosi*	Managing sea lice on fish farms to protect wild salmon *Martin Krkosek*	A Canadian Arctic enigma: Where are the juvenile Greenland Sharks (*Somniosus microcephalus*)? *Nigel Hussey*
13:50	Is there photoferrotrophy in the anoxic hypolimnion of L227 at the ELA? *Sherry Schiff*	Consequences of experimental cortisol manipulations on the thermal biology of the Checkered Puffer *Felicia Cull*	Proteome remodelling in response to nutrient stress in an aquatic consumer *Nicole Wagner*	Iron, sulfur, and phosphorus cycling in sediment pore waters from Alberta lakes: Implications for eutrophication *Alex Wolfe*	Assessing the roles of climate change and nutrients on deepwater oxygen depletions in Ontario Lake Trout lakes: A paleolimnological perspective *Clare Nelligan*	A cultured phenotype in fishes as revealed through meta-analysis and geometric morphometrics of Atlantic Cod (*Gadus morhua*) *Brendan Wringe*	Habitat use of Silver Shiner (*Notropis photogenis*), a threatened species, in its known range in the Great Lakes basin. *Robin Gáspárdy*
14:10	Role of iron and pH on the photodegradation of dissolved organic carbon in aquatic environments *Jennifer Mead*	Temporal synchronization of invasive trout and warming maximizes their synergistic effect on planktonic communities *Megan MacLennan*	Linking toxicity and adaptive responses across the transcriptome in the Brown Bullheads (*Ameirus nebulosus*): RNA-Seq de novo assembly using trinity platform *Subba Rao Chaganti*	Linking land use to dissolved organic carbon and dissolved organic phosphorus in Lake Erie *Sarah King*	Climate impacts on nutrient dynamics at the archeological site Kookoolik, St. Lawrence Island, Alaska: A paleolimnological investigation *Katherine Griffiths*	Potential impacts of farm salmon escapes on wild populations through reproductive interactions *Sarah Lehnert*	Effect of changing feeding environment on the survival of larval Atlantic Herring off Newfoundland *Carissa Currie*
14:30	Fate and effects of silver nanoparticles following whole-lake addition at the Experimental Lakes Area *Daniel Rearick*	Nitrogen transformation in a large dynamic reservoir (Lake Diefenbaker, Saskatchewan) *Rebecca North*	Genetic variability in population responses of Atlantic Cod to environmental change and the transcriptomic response to temperature *Rebekah Oomen*	Climate effects on wetland soils create the "perfect storm" for toxic cyanobacteria blooms: fresh perspectives on an old problem *Irena Creed*	Using paleolimnology to track the response of diatoms and cladocera to climate warming across lakes of the far North of Ontario *Kathryn Hargan*	Genetic and environmental determinants of alternative reproductive tactics in Chinook Salmon, *Oncorhyncus tshawytscha* *Adriana Forest*	Response of resident Rainbow Trout to water diversion at run-of-river projects *Sean Faulkner*
14:50	Responses of natural littoral microcrustacean communities to an addition of silver nanoparticles *Katarina Cetinic*	Cumulative impact of phosphorus loading reductions, climate change and invasive species on minimum volume-weighted hypolimnetic dissolved oxygen in Lake Simcoe, 1980-2012 *Li Jiahua*		Preventing cyanobacteria blooms: the critical role of anoxia and ferrous iron *Lewis Molot*	Climate warming results in more specialized cladoceran taxa in Canadian Arctic lakes *Josh Thienpont*	Influence of hybridization with domesticated conspecifics on alternative reproductive phenotypes in male Atlantic Salmon in multiple temperature regimes *Matthew Yates*	Use of hydrodynamic modeling and habitat suitability indices to predict Lake Sturgeon spawning habitat in the Spanish River, Ontario *Bruce Kilgour*
15:10	Break						

Friday 9 January / Vendredi 9 janvier							
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	Experimental Lakes Area	**Multiple stressors and aquatic ecosystems**	**Genomic, proteomic and transcriptomic advancements in aquatic monitoring, assessment and response**	**Aquatic nutrients: dynamics and algal blooms**	**Impacts of climate change on aquatic ecosystems**	**General contributed papers**	**General contributed papers**
15:40	Male reproductive behaviour during the collapse and recovery of a Fathead Minnow population *Paul Blanchfield*	Fish community effects of winter drawdown *Raphaelle Thomas*	Connectivity in a Longnose Sucker (*Catostomus catostomus*) hierarchical metapopulation in northern Labrador *Sarah Salisbury*	Blooms reports in Ontario from 1994 to 2014 *Jennifer Winter*	Temporal and spatial assessments of Didymo blooms in eastern Canada *Branaavan Sivarajah*	Residency and distribution of Arctic Cod (*Boreogadus saida*) in Resolute Bay, Lancaster Sound *Steve Kessel*	Mechanisms for reductions in fish productivity in dark waters: Habitat squeeze, growth and reproduction *Nicola Craig*
16:00	Does the differential warming hypothesis explain long-term variations in the diet of a cold-water fish? *Matthew Guzzo*	Is ice road trucking a significant source of PAHS to remote lakes? *David Eickmeyer*	Analysis of seminal plasma proteins from alternative reproductive tactics of Chinook Salmon (*Oncorhyhnchus tshawytscha*) *Robert Gombar*	Using molecular tools to track historical changes in toxic cyanobacterial abundance and diversity *Shinjini Pal*	Multi-century ice dynamics of Lake Suwa and Tornio River: Climate change, large-scale climate drivers, and weather *Sapna Sharma*	Seasonal movements of the deepwater flatfish, Greenland Halibut (*Reinhardtius hippoglossoides*), in the coastal fjords of Baffin Island *Amanda Barkley*	Do differences in behavioural type and angling technique influence vulnerability to capture? *Alexander Wilson*
16:20	Apparent extirpation of prey fish communities following Northern Pike (*Esox lucius*) introduction *Michael Rennie*	Comparative deposition histories of polycyclic aromatic hydrocarbons and organic carbon to lakes near petrochemical activity in northwestern Canada *Cyndy Desjardins*	Genetic differentiation and population connectivity in northwest Atlantic populations of the Sea Scallop, *Placopecten magellanicus*, using whole-genome scanning *Mallory Van Wyngaarden*	Characteristics of algal communities in the nearshore zone of Lake St. Francis (St Lawrence River) and associated tributaries and their relationship to land-use and water quality *MacKenzie Waller*	Recent regime shifts in a northern Manitoba boreal forest lake *Chris Luszczek*	Alternative migratory strategies of Arctic Char (*Salvelinus alpinus*) in a highly variable environment *Matt Gilbert*	Impacts of changes in density-dependent growth and recruitment relationships on sustainable fisheries harvest *Jenilee Gobin*
16:40	Whole lake dynamic models for developing integrated understanding of aquatic processes and for organizing data and knowledge *Ray Hesslein*	What is the risk of marine oil and HNS spills in the Great Lakes ? *Jerome Marty*	Hybrid breakdown in transcription of Chinook Salmon: Implications for reintroduction and supplementation efforts *Kyle Wellband*	Assessing the potential for restoration of beneficial use of impairments in Hamilton Harbour using linear inverse modelling *Monir Hossain*	Limnological changes to an Arctic pond downstream of permafrost slumping *Roberto Quinlan*	Migrating Atlantic Cod otoliths reflect movement through water masses: linking data storage tag data with high resolution trace element and isotope geochemical signatures *Victoria Neville*	Stability in probabilistic maturation reaction norms for age and size at maturation in Lake Erie Yellow Perch *David Gislason*
17:00		Analytical techniques in ecotoxicology - Past, present, and future trends *Ammar Saleem*	Stock and interspecific competition effects on intestinal microbiota of Atlantic Salmon *Xiaoping He*		The nature of phytoplankton in the epilimnion and summer deep chlorophyll maximum in the Great Lakes *Andrew Bramburger*	The pelagic fish community in the Canadian Beaufort Sea – Vertical distribution, diversity and food web linkages *Wojciech Walkusz*	Shifting importance of reproduction and predation to variation in recruitment by Lake Erie Yellow Perch (*Perca flavescens*) *Fan Zhang*

Saturday 10 January / Samedi 10 janvier							
	Provinces 1	Provinces 2	Confederation 1	Confederation 2	Confederation 3	Governor General 1	Governor General 2
	Stable isotope and diet analyses in aquatic food webs	**Multiple stressors and aquatic ecosystems**	**Genomic, proteomic and transcriptomic advancements in aquatic monitoring, assessment and response**	**Aquatic nutrients: dynamics and algal blooms**	**Impacts of climate change on aquatic ecosystems**	**Conservation and rehabilitation of natural habitats and biodiversity**	**Understanding and managing non-native species**
8:40	Isotope measurement by AMS in the Labrador and Beaufort Sea *Daniel Sauvé*	Factors influencing recreational re-capture of upstream migrating Atlantic Salmon (*Salmo salar*) that have been previously captured and released *Robert Lennox*	Using environmental DNA to detect endangered Redside Dace, *Clinostomus elongatus* *Natasha Serrao*	The Haber Bosch – harmful algal bloom (HB-HAB) link *Roxane Maranger*	Capacity of fishes to respond to climate change *Bryan Neff*	Influence of metabolic rate on migratory behaviour in Lake Superior Brook Trout (*Savelinus fontinalis*) *Cameron Strnad*	Ring the alarm: Behavioural manipulation of Sea Lamprey populations with damage-released alarm cues and predator cues *István Imre*
9:00	Development and application of δ34S as a tracer of radionuclide uptake in aquatic food webs through sedimentary pathways *Shannon Davis*	Morphological variation in northern pike (*Esox lucius*) exposed to different flow regimes *Camille Macnaughton*	Validation of untargeted species detection in environmental (eDNA) samples using next-generation sequencing *Kristyne Wozney*	Changes in anthropogenic nitrogen and phosphorus inputs to the St. Lawrence basin over the last 100 years: Impacts on riverine export *Jean-Olivier Goyette*	The effects of multi-day heat stress on wild juvenile Atlantic Salmon (*Salmo salar*) *Emily Corey*	Does variation in behaviour of two ecotypes of Lake Superior Brook Trout (*Salvelinus fontinalis*) influence propensity to disperse? *Nicole Wajmer*	Additive or synergistic: Combining a predator cue with damage-released alarm cue to deter Sea Lampreys (*Petromyzon marinus*) *Richard Di Rocco*
9:20	A dynamic approach to modeling stable carbon and nitrogen isotopes in aquatic food webs *David Rowan*	Relationships between habitat, shoreline alterations and nearshore small fish community structure in Lake Simcoe, Ontario *Justin Trumpickas*	Monitoring aquatic species' invasions using environmental DNA *Laurence Masson*	Microcystin concentrations across a series of iron-amended Lake Mesocosms in relation to environmental and biological variables *Diane Orihel*	Can small, isolated fish populations respond plastically to elevated temperature? *Dylan Fraser*	The evolution of movement rate in highly mobile pelagic species after the establishment of large marine reserves *Jonathan Mee*	Tagging effects as a source of variation in trapping efficiency estimates of Sea Lamprey (*Petromyzon marinus*) *Jessica Nelson*
9:40		Fish scales - A non-invasive assessment tool for evaluating the effect of pollution on *Cirrhinus mrighal* from the river *Shahid Mahboob*	Aquatic microbial community structure and function across a gradient of logging, fire, and industrial watershed disturbances *Caroline Emilson*	Iron remediation of aerated versus non-aerated eutrophic reservoirs: A replicated whole-ecosystem experiment *Mark Graham*	Assessing bioenergetics impacts of climate change to freshwater fisheries productivity in northern ecoregions: A case study with Arctic Grayling *Mark Poesch*	Phenotypically plastic neophobia: What can tropical fish teach us? *Grant Brown*	Manipulation of discharge fails to improve trapping success for invasive Sea Lamprey: A behavioural explanation *Andrew Rous*
10:00	Break						

Saturday 10 January / Samedi 10 janvier							
	Provinces 1	Provinces 2	Confederation 1	Confederation 2	Confederation 3	Governor General 1	Governor General 2
	Stable isotope and diet analyses in aquatic food webs	**Multiple stressors and aquatic ecosystems**	**General contributed papers**	**Aquatic nutrients: dynamics and algal blooms**	**Impacts of climate change on aquatic ecosystems**	**Conservation and rehabilitation of natural habitats and biodiversity**	**Understanding and managing non-native species**
10:30	A new probabilistic method for quantifying N-dimensional niches and niche overlap *Heidi Swanson*	Do bottom-draw reservoirs affect the spatial patterns of fishes downstream? *Adrian Hards*	Assumptions in fishing effort: Tests and consequences *Darren Gillis*	Integrating physiology and ecology to understand cyanobacterial blooms in eutrophic ecosystems *Sylvia Bonilla*	Predicting the effects of climate change on Walleye and Smallmouth Bass distributions in Ontario inland lakes: Are Walleye in a pickle-rel? *Thomas Van Zuiden*	Egg mortality and development of wild Atlantic Salmon (*Salmo salar*) in the Miramichi River system *J. Michelle Lavery*	Individual behaviour likely effects trappability of an invasive species, the Sea Lamprey *Adrienne McLean*
10:50	Does ecological niche broaden with time since establishment for invasive species? *Harri Pettitt-Wade*	Net effects of multiple anthropogenic stressors plauging global freshwater biodiversity and ecosystem function: A meta-analysis *Charlie Loewen*	Quantifying targeting behaviour and catch trends in the Lake Winnipeg commercial fishery *Samantha Fulton*	Bacterial community composition associated with freshwater cyanobacterial blooms of *Channa argus* intensive culture ponds *Jun Xie*	Predicting the impacts changing species distributions on fish species in Ontario lakes *Karen Alofs*	Linking behaviour and conservation: Lessons for salmon stocking and habitat improvement *Chris Elvidge*	Boldness, dispersal and metabolism in Round Goby (*Neogobius melanostomus*) at the edge of an invasion front *Emelia Myles-Gonzalez*
11:10	Niche width and trophic position of the Bowfin (*Amia calva*) in the lower Huron-Erie corridor: An underappreciated top predator *Brent Nawrocki*	The differential effects of changes to habitat characteristics and habitat structure on stream fish communities *Chris Edge*	Meta-analysis on standarization of catch and effort data *Michelle Aljafary*	Modeling algal toxin concentrations in a changing world: The importance of cross-scale interactions *Zofia Taranu*	Panic at the Cisco: Predicting the effects of climate change on Cisco distributions in Ontario *Miranda Chen*	The effect of habitat complexity on Atlantic Salmon behaviour *Caroline Bilhete*	Round Goby (*Neogobius melanostomus*) acoustic ecology and reproductive quality assessment as possible tools for population establishment management strategies *Meghan Donovan*
11:30	Niche space, overlap, and diet reconstruction of Lake Ontario salmonid species using stable isotopes and stomach contents *James Mumby*	Can supplemental feeding of nest guarding Smallmouth Bass mitigate the effects of experimental cortisol elevation? *Aaron Zolderdo*	Theoretical consequences of unrecognized population structure in a forage fishery *Luke Rogers*	Effects of biodiversity on aquatic macrophyte decomposition rate: Is there a mediating role of tissue nutrient content? *Lauren Banks*	Predicting the impacts of climate change on the spread of aquatic invasive species: A case study in the province of Ontario *Shannon Fera*	Performance of three candidate populations of Atlantic Salmon for reintroduction into Lake Ontario: Competitive ability and thiaminase tolerance *Aimee Houde*	Carbon dioxide as a non-physical barrier for Asian Carp movement *Michael Donaldson*
11:50	The addition of sulphur stable isotopes to studies of Lake Trout foraging in Lake Ontario *Scott Colborne*	Do body size and brood size influence parental care behaviours and nest success in chronically stressed male Smallmouth Bass? *Dirk Algera*	Lake Trout spawning in a northern boreal lake: Does it matter which way the wind blows? *David Callaghan*		Potential inland spread of invasive Great Lakes fishes given climate change, stream-lake connectivity and proposed dams *Cindy Chu*	Strategic restoration of Atlantic Salmon (*Salmo salar*) habitat – A case study of a partnered approach to restoring a subwatershed in the greater Toronto area *Matt Burley*	Effect of calcium concentration on predatory response of Round Gobies *Josie C. Iacarella*
12:10	Lunch						

Saturday 10 January / Samedi 10 janvier							
	Provinces 1	Provinces 2	Confederation 1	Confederation 2	Confederation 3	Governor General 1	Governor General 2
	Stable isotope and diet analyses in aquatic food webs	**Multiple stressors and aquatic ecosystems**	**General contributed papers**	**General contributed papers**	**Collaborative fisheries research in Canada**	**Conservation and rehabilitation of natural habitats and biodiversity**	**Understanding and managing non-native species**
13:30	Has the feeding behaviour of Lake Trout (*Salvelinus namaycush*) in Lake Ontario changed in response to shifts in prey fish community composition? *Brent Metcalfe*	Tracking the population rise and ecological effects of double-crested Cormorants on nesting islands in Lake Ontario using paleolimnological approaches *Emily Stewart*	Bycatch mortality can cause extirpation in four freshwater turtle species *Jon Midwood*	Developing harvest regulations for a previously unexploited Lake Trout (*Salvelinus namaycush*) population *Melissa Lenker*	Introduction to the session and overview of the NSERC Canadian Fisheries Research Network *Rob Stephenson*	Rideau Valley watershed fish habitat enhancement projects *Jennifer Lamoureux*	Connectivity controversy: balancing restoration of migratory native fishes and control of invasive fishes *Rob McLaughlin*
13:50	Comparative diet analyses of four co-occurring gadoid species off the South coast of Newfoundland *Hilary Rockwood*	Preliminary analysis of sterols and stanols in ornithogenic pond sediments near a Seabird colony at Cape Vera, Devon Island, NU *Wenhan Cheng*	Influence of hydrological connectivity on Winter limnology in floodplain lakes of the Saskatchewan River Delta, SK *Brett MacKinnon*	Life-history variation among four shallow-water morphotypes of Lake Trout from Great Bear Lake, NT *Louise Chavarie*	Hydronet's tools to assess the effects of environmental conditions on metrics of fisheries productivity in rivers *Daniel Boisclair*	Effectiveness monitoring of fishes in mechanically restored fish habitats impacted by invasions of *Phragmites australis* (Common Reed) *Jason Barnucz*	Some like it hot: Thermal physiology of non-native Pumpkinseed living in a mild climate *Anna Rooke*
14:10	Are you what you eat? An assessment of inorganic contaminants in farmed shellfish in the human diet *David Chiumera*	Hg biogeochemistry in tundra lakes disturbed by shoreline retrogressive thaw slumping in the Mackenzie Delta region *Adam Houben*	Collection of reference stream site data in the far North of Ontario: Preparing for development in the ring of fire *John Bailey*	Does genetic variation correlate with adaptive potential? An empirical test using translocations of natural trout populations *Matthew Yates*	An academic-industry-government partnership to improve assessment of Atlantic Halibut in the Gulf of St. Lawrence *Dominique Robert*	Multispecies space use and movement in restored habitat in the Toronto harbour *Andrew Rous*	Detection of non-native freshwater fishes from their environmental DNA in water samples *Gordon Copp*
14:30	Assimilation of aquaculture waste by Lake Whitefish in Lake Diefenbaker, Saskatchewan *Chance Prestie*	Dissolved organic matter kinetically controls mercury bioavailability to bacteria *Sophie Chiasson-Gould*	Whole-lake browning experiment reveals DOC effects on consumer production and carbon cycling *Chris Solomon*	Spawning of adfluvial Lake Trout (*Salvelinus namaycush*) and Lake Whitefish (*Coregonus clupeaformis*) in the Yellowknife River below Bluefish dam, NWT, Canada *Paul Vecsei*	Recruitment processes in fish: An investigation across spatial scales *Ariane Cantin*	Individual physiological health metrics as a proxy for evaluating restoration success lessons from the coastal wetlands of the St. Lawrence River *Taylor Ward*	Zebra mussel population persistence in reservoirs *Marten Koops*
14:50	Before overwintering – Feeding of the Newfoundland capelin stock *Daigo Kamada*	Many ways of knowing: Recognizing the role that traditional knowledge and GIS databases can play in bioassessment programs *Robert Bailey*	Physiological basis of growth-performance trade-offs among different strains of Rainbow Trout *Jordan Rosenfeld*	The potential genetic benefits of polyandry in Chinook Salmon *Jason Lewis*		Evaluating exclusion fencing and eco-passages as a mitigation strategy *Chantel Markle*	
15:10	Break						

Saturday 10 January / Samedi 10 janvier							
	Provinces 1	Provinces 2	Confederation 1	Confederation 2	Confederation 3	Governor General 1	Governor General 2
	Stable isotope and diet analyses in aquatic food webs	**Multiple stressors and aquatic ecosystems**	**General contributed papers**	**General contributed papers**	**Collaborative fisheries research in Canada**	**Conservation and rehabilitation of natural habitats and biodiversity**	**Understanding and managing non-native species**
15:40	Understanding the isotopic structure of Lake Whitefish spawning aggregations of Lake Huron and Georgian Bay *Rebecca Eberts*	Predictive models of benthic communities for assessment of anthropogenic impacts *Adam Yates*	New approaches to measure 210Pb in sediments and biota *Jack Cornett*	Influence of floodplain connectivity on littoral macroinvertebrates in a large subarctic delta *Ryan Scott*	Using Burbot liver appearance to assess fish health: A community monitoring approach *Pete Cott*	Rekindling the association with the declining American Eel through stewardship that engages the young *Colleen Burliuk*	A mesocosm study: Evaluation of non-permanent barrier technologies to prevent fish movements *Jaewoo Kim*
16:00	Brainiacs: A food web approach to study the relationship between ecology and brain size in freshwater teleost fishes *Nick Edmunds*	Is there a combined effect of *Bythotrephes longimanus* and calcium decline on zooplankton communities? *Shakira Azan*	The benefits of non-lethal tissue sampling: long-term mercury monitoring in Lake Trout from two northern lakes *Tamara Darwish*	Modelling the spatiotemporal distribution of benthic macroinvertebrates: A hierarchical bayesian model for zero-inflated biomass data *Jean-Baptiste Lecomte*	Pristine, boreal 'lakescape' population genetic structure influenced by depth, basin and plasticity in Lake Trout *Kia Marin*	Contamination and multi-decadal decay of reservoir-liberated mercury in a downstream fishery: Effects of fish trophic level, size, and age *Derek Green*	Experimental introductions of *Hemimysis anomala* support predicted impacts on North American zooplankton communities *James Sinclair*
16:20	Riparian, marine and floodplain subsidies fuel waterhole food webs in dynamic tropical rivers *Tim Jardine*	Recovery challenges for Aurora Trout in a declining Ca environment *John Gunn*	Size spectrum and environmental influences on fish mercury concentrations in Ontario lakes *Lifei Wang*	*Bythotrephes longimanus* presence alters the vertical depth distribution of daphnia species across Canadian shield lakes *Sarah Hasnain*	The potential effect of riprap on the utilisation of space by fish communities *Joanie Asselin*	Comparing ecosystem function of restored and natural prairie ponds *Lauren Bortolotti*	Development of a Manitoba-specific Walleye habitat model *Marianne Geisler*
16:40	Insights on food web organization in lateral depth gradients along a freshwater-estuarine continuum *Renata Mont'Alverne*	Elevated metal concentrations inhibit biological recovery and alter zooplankton size structure in previously acidified Boreal shield lakes *Andrew Labaj*		Importance of Chara to invertebrate populations in interior BC lakes *Brian Heise*	Fishery dependent flatfish landings data: Spatial distributions, environmental influences and bycatch avoidance *Jonathan Fisher*	Threshold response of benthic and fish communities to ecological stressors in the Credit River, Ontario, Canada *Jesse Vermaire*	Persistence of the Lake Erie gillnet fishery foodweb: The ecological role of non-native White Perch *Allan Debertin*
17:00					Temporal and individual variability in reproductive success for two Skagerrak Norwegian coastal Cod populations *Nancy Roney*	The effects of stocking techniques on the density, dispersal, growth and survival of (0+) Atlantic Salmon (*Salmo salar*) *Eric Brunsdon*	

Sunday 11 January / Dimanche 11 janvier			
	Confederation 1	Confederation 2	Confederation 3
	General contributed papers	**Multiple stressors and aquatic ecosystems**	**Student success workshop**
8:40	An overview of the Lake Diefenbaker study *Jeff Hudson*	Agriculture and peat extraction have opposite effects on algal biomass in coastal rivers with minimally disturbed catchments (<15%) in Northeastern New Brunswick *Alain Patoine*	8:40 – 9:30 Getting published
9:00	Light and nutrient effects on phytoplankton populations in Lake Diefenbaker, a large prairie reservoir *Kristine Hunter*	Factors regulating spatial and temporal variability in Lake Erie carbon flux: A multiple stressor context *Richard Vogt*	
9:20	Trophic state and environmental factors associated with phytoplankton dynamics in Lake Diefenbaker *Oghenemise Abirhire*	Terrestrial-aquatic linkages to aquatic ecosystem recovery in smelter-impacted watersheds *Erik Szkokan-Emilson*	9:30 – 10:20 Science communication and outreach
9:40	Lake Diefenbaker from above, long term patterns in water quality as determined by satellite imagery *Hayden Yip*		
10:00	Break		10:20 – 11:10 Scoring a job or grad school position
10:30	Action cameras: Bringing aquatic and fisheries research into view *Daniel Struthers*	Development, validation and application of microbial biosensors of oxidative stress *Felix Morin*	
10:50	Development and performance of an acoustic telemetry transmitter designed to detect predation events *Eddie Halfyard*	Coupling redox homeostasis to mercury cycling in a purple non-sulfur phototroph *Daniel Gregoire*	
11:10	Lampricide impairs olfaction and olfactory-related behaviours in young-of-the-year Lake Sturgeon (*Acipenser fulvescens*) *Kathy Sakamoto*	Sudbury influence re-visited: effect of declining calcium on zooplankton species suggests similar outcome as impacts from historic acidification *Alex Ross*	11:10 – 12:00 Working at the science-policy interface
11:30	Movements of listed grass pickerel in an agricultural drain and the implications for drain maintenance *Natacha Kramski*	Can invertebrate communities in coal mining end-pit lakes support stocked fish populations? *Andreas Luek*	
11:50	Distribution and life history observations of River Darter (*Percina shumardi*) in historical and new locations throughout Northwestern Ontario *Bill Gardner*		

Posters – 4th Level / Affiches – 4e étage

#	Presenter	Title
Impacts of climate change on aquatic ecosystems / Impacts des changements climatiques sur les écosystèmes aquatiques		
1	Adam Houben	The impact of permafrost thaw slump events on N and P, primary productivity, and trace metals, in upland tundra lakes East of the Mackenzie River Delta
2	Dominique Lapointe	Hot Fish: Can fish energetics help to predict the impacts of climate change on tropical freshwater fishes?
3	Donya Danesh	Changes in vegetation and lake productivity in northwest Ontario during the hypsithermal: an analogue for the future?
Genomic, proteomic and transcriptomic advancements in aquatic monitoring, assessment and response / Avancées en génomique, protéomique et transcriptomique pour le suivi, l'évaluation et les réponses en milieu aquatique		
5	Victoria Kopf	Application of environmental DNA (eDNA) sampling to detect stream fishes of conservation concern
6	Allison Marinich	Environmental DNA (eDNA) screening of invasive water soldier and threatened native mussels in field surveys: Practicality, variability, limitations and potential
7	Gwyn Mason	Rapid evolution in an introduced Atlantic Salmon (*Salmo Salar*) population: Genomic and experimental evidence of adaptation in Rocky River, Newfoundland
Stable isotope and diet analyses in aquatic food webs / Analyses d'isotopes stables et de diètes dans les chaînes trophiques aquatiques		
8	Meagan McCloskey	Validation of non-lethal sampling methods to track changes in δ15N and body condition/growth rate of Yellow Perch (*Perca flavescens*) caused by a diet shift to cannibalism
9	Kyle Krumsick	Does Atlantic Cod feeding reflect spatial and temporal prey dynamics in Newfoundland waters?
11	Wojciech Walkusz	Dietary characteristics of sympatric Arctic Cod and Capelin in the Canadian Arctic
Aquaculture and its impacts on aquatic environments / L'aquaculture et ses impacts sur les environnements aquatiques		
12	Trevor Pitcher	Out-crossing with wild stocks in commercial aquaculture of Chinook Salmon to optimize early growth and survival
13	Kevyn Janisse	Bite me: Feeding preferences of juvenile Chinook Salmon (*Oncorhynchus tshawytscha*) raised in captive and natural settings
14	Mitchell Dender	Links between diurnal cortisol variation and growth rate in outbred populations of hatchery-raised Chinook Salmon
15	Christina Semeniuk	Stability and flexibility in individual behaviour: Consequences for Atlantic Salmon (*Salmo salar*) reintroduction
16	Megan Otu	The use of benthic invertebrates to determine net effects of freshwater cage aquaculture

The poster list continues next page / La liste des affiches se poursuit à la page suivante

Conservation and rehabilitation of natural habitats and biodiversity / Conservation et réhabilitation d'habitats naturels et de la biodiversité		
17	Chantal Audet	Will hybridization hinder the reintroduction effort of Atlantic Salmon (*Salmo Salar*) in Lake Ontario: A look at the juvenile life-stage of hybrid Atlantic Salmon
18	Jim McCarthy	Habitat and fish population rehabilitation in Salmon Cove River, Newfoundland to offset losses due to tailings impoundment in Long Harbour
19	Chantal Vis	Predicting coastal wetland restoration outcomes using state-and-transition simulation models
21	Julia Colm	Ecology of Grass Pickerel (*Esox Americanus Vermiculatus Lesueur*) in Ontario streams
23	Jennifer Smith	Restoration of Lake Sturgeon (*Acipenser Fulvescens*) in the Detroit River and the importance of milt quality
24	Mike Parna	Loss of the Lake Whitefish (*Coregonus clupeaformis*) species pair in Como Lake, Ontario
25	Christiane Uherek	Assessing effects of habitat compensation on invertebrates in an Arctic Barrenlands stream.
26	Karsten Pankhurst	The Brewer Park Pond Esocid tracking project
27	Xue-Feng Wang	Fish communities of Fangcheng Harbour waters in the South China Sea
28	Marie-Pierre Varin	The role of iron in lake eutrophication: A contemporary and paleolimnological study
Multiple stressors and aquatic ecosystems / Stresseurs multiples et écosystèmes aquatiques		
30	Mikayla Oldach	Effect of metals on the allometry of planktonic food webs in lakes exposed to mining operations in northern Saskatchewan
31	Julie Bilodeau	Toxicokinetics and bioaccumulation potential of parent and alkyl polyaromatic compounds in Wood Frog tadpoles (*Lithobates Sylvaticus*) exposed to Athabasca oil sands sediment
32	Graham Mushet	Investigation on the importance of enhanced atmospheric nitrogen deposition and climate warming on primary production of scaled chrysophytes in northern Saskatchewan
33	Martin Pothier	Development of metal biosensors and their application to the mining industry
34	Claudine Lefebvre	Presence and bioconcentration potential of polycyclic musks galaxolide and tonalide in Fathead Minnows from North Saskatchewan River, Edmonton
35	Anurani Persaud	Chemical, physical and catchment factors influencing the phytoplankton community in temperate lakes of the Muskoka-Haliburton region
36	Amanda Babin	Atlantic Salmon movement in the Mactaquac Headpond
37	Paul Finigan	Littoral fish community changes in southeastern Ontario
Collaborative fisheries research in Canada / Recherche collaborative sur les pêches au Canada		
38	Fred Noddin	Evaluation of A nature-like fish pass for a small Arctic Headwater stream
39	Jacob Ziegler	Reciprocal interactions between lake fisheries and lake organizations
40	Lauren Stoot	Working toward recovery of American Eel in the Ottawa River through collaborative research

The poster list continues next page / La liste des affiches se poursuit à la page suivante

Aquatic nutrients: dynamics and algal blooms / Nutriments aquatiques : dynamique et prolifération d'algues		
41	Aisha Chiandet	Water quality changes in small southern Ontario inland lakes - One size fits all?
42	Joanna Ma	Evidence of Dreissenid mussel and tributary influences on nutrient distribution in the northern nearshore of East basin Lake Erie
43	Eric McQuay	Cyanobacteria dominance in the Lake Simcoe Georgian Bay area: A phosphrous and iron approach
Experimental Lakes Area / La région des lacs expérimentaux		
44	Jing Chen et al.	A study on the levels of radioactivity in fish samples from Experimental Lakes Area
45	Liset Cruz-Font	Activity costs by Lake Trout in different lake ecotypes
General contributed papers / Contributions générales		
46	Andrew Paterson	The water quality of Ontario's inland lakes: An analysis of water chemistry results from Ontario's broad-scale monitoring program
47	Martha Robertson	Spawning migration and survival of Atlantic Salmon in two northern Canadian rivers
48	Dale Sprague	Geochemistry and migration of Ca. 100 year old mine tailings in Cobalt, Ontario, Canada.
49	Lauren Gallant	Examining the historical trends in diet and contaminant exposure in a 4,000-year-old bat guano core from Jamaica
50	Georgina Braoudakis	Effect of lake size, isolation and piscivorous predator presence on nested fish community structure
51	Thais Luise Dillenburg	Management of recreational and drinking waters in Canada and Brazil: A comparison of practices regarding cyanobacterial blooms
52	Matthew Bogard	Quantifying boreal lake primary production using an oxygen-based stable isotope mass-balance model
53	Morag McPherson	Searching for Arctic Grayling in northern mountain streams: Testing a distributional monitoring approach in the Little Nahanni River watershed, NWT
54	Ryan Hutchins	Landscape drivers of river dissolved carbon dioxide and methane in five distinct regions within the Quebec boreal biome
55	Farshad Shafiei	Nitrogen and phosphorus loads and nutrient limitation in Lake Diefenbaker
56	Jillian Kusch	Spatial and temporal trends in phosphorus and nitrogen in Lake Diefenbaker, Saskatchewan
57	Michelle Pomedli	Comparison between water column and sediment trap stoichiometry in Lake Diefenbaker, Saskatchewan
58	Kristine Hunter	Photoammonification in plains and boreal shield lakes with an expanded dataset
59	Brittany Sullivan	Behavioural guidance of Largemouth Bass using light emitting diodes
60	Lindsey Wilson	The influence of sampling techniques on biological data
61	Onuche Unekwu	Technical efficiency of aquaculture firms in Kogi State, North Central Nigeria
62	Friday Garbe Ogbe	An analysis of profitability and resource utilization efficiency of aquaculture firms in Kogi State, Central Nigeria
63	Nick Collins	Calculating rates of false discoveries for medium and large effects in ecology and evolutionary biology
64	Mateus Ferrareze	Small-scale reservoirs effects on size spectra of fish assemblages
65	Cécilia Barouillet	Paleolimnological assessment of the Bridge River diversion and climate change on Sockeye Salmon food web in Seton And Anderson Lakes system (British Columbia)

General contributed papers continued / Contributions générales (suite)		
66	Alexandra Muhametsafina	Seasonal variation in the sensitivity of larval Sea Lampreys to the pesticide 3-trifluoromethyl-4-nitrophenol (TFM), used to control invasive Sea Lamprey in the Great Lakes
67	Simone Santos	Horizontal distribution of zooplankton and hydrodynamics of a urban tropical reservoir (Vargem Das Flores - Minas Gerais, Brazil)
68	James Rusak	Comparing fluorometric and spectrophotometric determinations of chlorophyll A in lakes: The influence of sample complexity and holding time
69	Andrew Laursen and A. Hanief	Modeling Grand River drainage network with eye to understanding land-use effects on drainage network and modeling effects of targeted restoration
70	Monir Hossain	Management of Hilsa fishery in Bangladesh: Implications of multiple stressors in conservation effort
71	Mohammed Alshamlih	Smallmouth Bass range expansion in northern Ontario: Illegal introductions or climate change?
72	Maggie Neff	Fish contaminant trends in the Toronto and region area of concern

Exhibitors – CCFFR 2015 / Exposants – CCRP 2015

Exhibitors will be present during the Welcome Reception on Thursday 8 January as well as throughout the conference / Les exposants seront présents durant la réception de bienvenue du jeudi 8 janvier ainsi que pendant toute la durée de la conférence

SEE YOU IN NEWFOUNDLAND IN JANUARY 2016!

AU PLAISIR DE VOUS VOIR À TERRE-NEUVE EN 2016 !