

**Plenary: Friday Morning, 4 January, 2013**

<b>Time</b>	<b>Location TBA</b>
9:00	Opening Remarks
9:10	<p><b>J.C. Stevenson Memorial Lecture</b>  <b>Steven J. Cooke</b>, Fish Ecology and Conservation Physiology, Carleton University Laboratory  <i>The Future of Fisheries and Aquatic Ecosystems in Canada: Roles of Human Capital, Public Engagement and Scientific Evidence</i></p>
9:50	<p><b>F.H. Rigler Memorial Award Lecture</b>  <b>Raymond H. Hesslein</b>, Emeritus Scientist, Experimental Lakes Area, Fisheries and Oceans Canada  <i>40 Years of Carbon Research at ELA</i></p>
<b>10:30</b>	<b>Break - Location TBA</b>
11:00	<p><b>Mark J. Burrows</b>, International Joint Commission  <i>Steering Great Lakes Research Through a Sea of Change</i></p> <p><b>Norman D. Yan</b>, York University  <i>Advice for Young Aquatic Ecologists in an Increasingly Complicated, Multi-Stressor World</i></p>
<b>12:00</b>	<b>Lunch and Poster Viewing - Location TBA</b>

**Oral Presentations: Friday Afternoon, 4 January**

Room	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
<b>Session</b>	<b>T1 Great Lakes Fisheries and Environmental Policy</b>	<b>T2 Experimental Lakes Area Research</b>	<b>T5 Genetic Diversity and Adaptation</b>	<b>T8 Invasive Species</b>	<b>T 11 Migration, Mixing and Dispersal</b>	<b>T12 Disturbed Ecosystems, Threatened Species and Restoration</b>
1:20	PERSPECTIVES ON RECENTLY REVISED POLICIES TO MANAGE GREAT LAKES FISHERIES IN THE FACE OF UNPRECEDENTED UNCERTAINTY Gannon*, J.E.	LIMNOLOGICAL AND ENVIRONMENTAL CHANGE AT THE EXPERIMENTAL LAKES AREA: A PALEOECOLOGICAL PERSPECTIVE Cumming*, B.F.	LANDSCAPE GENOMICS IN ATLANTIC SALMON ( <i>SALMO SALAR</i> ): TOWARDS THE UNDERSTANDING OF GENE-ENVIRONMENT INTERACTIONS DRIVING LOCAL ADAPTATION Bourret*, V., M. Dionne, M.P. Kent, S. Lien and L. Bernatchez	A REVIEW OF RECENT PROGRESS IN THE MANAGEMENT OF AQUATIC INVASIVE SPECIES VECTORED BY SHIPS' BALLAST WATER Bailey*, S.	SEA LAMPREY ( <i>PETROMYZON MARINUS</i> ) EXPLOIT HYDRODYNAMIC CONDITIONS TO APPROACH AND PASS AN IN-STREAM BARRIER McLaughlin*, R., N. Lower, J. Benson, G. Constantinescu, A. Goodwin, J. Nestler and L. Weber	SPECIATION REVERSAL IN FISHES INHABITING HYDROELECTRIC RESERVOIRS IN THE KANANASKIS REGION OF ALBERTA Mee*, J.A., and S.M. Rogers
1:40	CHANGES IN THE LAKE MICHIGAN FOOD WEB FOLLOWING DREISSENID MUSSEL INVASIONS Madenjian*, C. P., D. B. Bunnell, S. A. Pothoven, G. L. Fahnenstiel, T. F. Nalepa, H. A. Vanderploeg and I. Tsehaye	DISSOLVED ORGANIC MATTER IN LAKES AND STREAMS AT ELA: QUANTITY, QUALITY AND ISOTOPES Schiff*, S.L., J.J. Venkiteswaran, P.J.K. Aukes and R.J. Elgood	GENETIC ARCHITECTURE OF OFFSPRING SURVIVAL AND GROWTH IN ATLANTIC SALMON STRAINS USED FOR REINTRODUCTION TO LAKE ONTARIO Black*, C.A. and T.E. Pitcher	IS THE LATEST GREAT LAKE INVADER, HEMIMYSIS ANOMALA, A THREAT TO INLAND LAKES? Arnott*, S.E., T.B. Johnson, M. Yuille, M. King and K. McDonald	MOVEMENT PATTERNS OF LAKE STURGEON ( <i>ACIPENSER FULVESCENS</i> ) IN THE SOUTH SASKATCHEWAN RIVER BASIN Lacho*, C. 1, J.B. Rasmussen <sup>1</sup> , T. Clayton <sup>2</sup> , S.Petry <sup>3</sup> and D. Watkinson <sup>4</sup>	EVALUATING FISH HABITAT COMPENSATION AT DIAVIK DIAMOND MINES, NWT Cahill*, C., A. Baki, C. Courtice, A. Erwin, K. Howland, M. Hulsman, B. Lunn, W. Tonn and D. Zhu
2:00	STATUS OF THE CHANGING LAKE HURON ECOSYSTEM Riley*, S. C.	CLIMATE EFFECTS ON BOREAL LAKES: FORTY PLUS YEARS OF ECOSYSTEM MONITORING AT THE EXPERIMENTAL LAKES AREA Higgins*, S.N., K.G. Beaty, P.J. Blanchfield, A.P. Dupuis, M. Guzzo, M. J. Paterson, M.D. Rennie, K.A. Sandilands and M.P. Stainton	TRANSCRIPTION AND ENVIRONMENT INTERACTIONS: EVIDENCE FOR LOCAL ADAPTATION OF BABINE LAKE RAINBOW TROUT Wellband*, K.W., S.R. Chaganti and D.D.Heath	MORPHOLOGICAL RESPONSES TO TROPIC LEVELS IN NATIVE AND NON-NATIVE FISH Yavno*, S. and M.G. Fox	MOVEMENT OF ARCTIC GRAYLING IN A CHANGING LANDSCAPE MacKenzie* C., L. Deegan, B. Peterson and H. Golden	CHARACTERIZATION OF FOOD WEB STRUCTURE IN THE RAINY RIVER, ONTARIO UNDER REGULATED DISCHARGE PRACTICES Smith*, A., J. Muirhead, M. Power, B. Annable, K. Smokorowski and J. Marty
2:20	MANAGING GREAT LAKES FISHERIES IN TIMES OF UNPRECEDENTED UNCERTAINTY: THE ROLE OF OBSERVING AND DATA SYSTEMS Paige*, K. and J. Read	WHOLE-CATCHMENT MANIPULATION TO ASSESS AND MODEL IMPACTS OF CLIMATE WARMING TO BOREAL LAKE ECOSYSTEMS Blanchfield*, P., C. Spence, M. MacKay, K. Beaty, S. Chalanchuk, A. Dupuis, M. Guzzo, S. Higgins, L. Hrenchuk, M. Paterson, M. Rennie, K. Sandilands and M. Stainton	COD SPERM MOTILITY PLASTICITY TO TEMPERATURE IS SIMILAR BETWEEN NEWFOUNDLAND AND NEW BRUNSWICK POPULATIONS Beirão,J., C.F. Purchase*, I.A. Fleming and B.F. Wringe	RANGE AND SURVIVAL OF TWO NONINDIGENOUS SPECIES ( <i>EICHHORNIA CRASSIPES</i> AND <i>PISTIA STRATIOTES</i> ) IN THE GREAT LAKES Eyraud*, A. and H. MacIsaac	INFLUENCE OF EXPERIMENTAL CORTISOL MANIPULATION ON OUTMIGRATION BEHAVIOUR, SURVIVAL AND GROWTH OF SEA TROUT SMOLTS Midwood*, J.D., M. Hage Larsen, N. Jepsen, K. Aarestrup and S. J. Cooke	SYSTEMATIC REVIEW OF THE EFFECTS OF SILTATION ON FRESHWATER FISH AND THE EFFECTIVENESS OF COMMONLY USED SILTATION CONTROL MEASURES Chapman*, J.M., S.M. Bliss, M. Veilleux, C.Lever, M-E.André, C. Proulx, S.J. Cooke and N.W.R. Lapointe
2:40	MANAGING THE COMMERCIAL FISHERY OF THE GREAT LAKES IN TIMES OF UNCERTAINTY Hawkins*, B.W.	INVESTIGATING EFFECTS OF CLIMATE CHANGE ON WARMWATER FISHES Rennie*, M.D., A. Dupuis and M. Paterson	CONSIDERING POTENTIAL PLASTIC AND GENETIC/MATERNAL EFFECTS ON DEMOGRAPHIC SUBSIDIES: NATIVE SPECIES PERSISTENCE WITH DETRIMENTAL EXOTICS Derry*, A.M., Å.M. Kestrup and A.P. Hendry.	GLOBAL APPLICATIONS OF THE FISH INVASIVENESS SCORING KIT (FISK) TO SCREEN NON-NATIVE FRESHWATER FISHES FOR INVASIVENESS RISK Copp* <sup>1</sup> , G.H., L. Vilizzi <sup>2</sup> , L.Lawson <sup>3</sup> , J. Hill <sup>3</sup> and S.Hardin <sup>4</sup>	RELAX OR RELOCATE: DISPERSAL AND HOME RANGE OF AGE 1 GREENLAND COD IN NEWMAN SOUND, NEWFOUNDLAND Shapiera, M., R. S. Gregory and P.V.R. Snelgrove	HYDRAULIC IMPLICATIONS OF HYDROELECTRIC DAM DISCHARGE PRACTICES ON CRITICAL FISH SPAWNING HABITAT IN THE RAINY RIVER, ONTARIO Muirhead*, J., A. Smith, B. Annable, M. Power and K. Smokorowski
<b>3:00</b>	<b>Break - Location TBA</b>					

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<b>Session</b>	T1 Great Lakes Fisheries and Environmental Policy	T2 Experimental Lakes Area Research	T5 Genetic Diversity and Adaptation	T8 Invasive Species	T 11 Migration, Mixing and Dispersal	T12 Disturbed Ecosystems, Threatened Species and Restoration
3:20	STOCK ASSESSMENT AND MANAGEMENT OF LAKE NIPIGON LAKE WHITEFISH (COREGONUS CLUPEAFORMIS): A VALUE OF INFORMATION APPROACH Reid* K., Y. Jiao, K. Tsiplova, T. Nudds and E. Desson	CYANOBACTERIA RESEARCH AT ELA Molot*,L.A.	EFFECTS OF HYBRIDIZATION ON THE REINTRODUCTION OF ATLANTIC SALMON TO LAKE ONTARIO Pitcher*, T.E. and C. Black	TEMPORO-SPATIAL LIFE HISTORY SHFTS IN INVASIVE ROUND GOBY ( <i>NEOGOBIOUS MELANOSTOMUS</i> ) DURING RANGE EXPANSION IN THE TRENT-SEVERN WATERWAY (CENTRAL ONTARIO) Masson*, L. and M.G. Fox	MOVEMENT AND SURVIVAL OF OUT-MIGRATING FRASER RIVER SOCKEYE SALMON SMOLTS IN FRESHWATER AND MARINE ENVIRONMENTS Hinch*, S.G., T.D. Clark, E.L. Rechisky, M. Gale, K. Jeffries and D.W. Welch	DEVELOPING A LONG-TERM MONITORING PROGRAM TO ASSESS THE EFFICACY OF SPAWNING HABITAT CREATION IN THE ST. CLAIR-DETROIT RIVERS SYSTEM Roseman*, E.F., J.A. Chiotti, R. Drouin, B.A. Manny and T. Wills
3:40	EFFECTS OF AGE STRUCTURE OF SPAWNING STOCK ON THE STOCK-RECRUITMENT RELATIONSHIP OF LAKE ERIE YELLOW PERCH ( <i>PERCA FLAVESCENS</i> ) Zhang*, F., K. Reid, T. Nudds	SPRING CLIMATE CHANGE DISRUPTS PLANKTON PHENOLOGY IN BOREAL LAKES Dupuis*, A., M. Paterson and D. Findlay	MASSIVE RETICULATE EVOLUTION AMONG BULLHEADS ( <i>AMEIURUS</i> ) IN THE LOWER GREAT LAKES Walter*, R.P., C. Venney, E. Gnyra, E. L.I. Söderberg and D.D.Heath	BEHAVIOURAL AND MORPHOLOGICAL INDICATORS OF NEST HOLDING MALE ROUND GOBIES Wantola*, K., E. Clelland, and L.D. Corkum	LIFE AND TIMES OF ANADROMOUS LAKE TROUT ( <i>SALVELINUS NAMAYCUSH</i> ) IN THE CANADIAN ARCTIC Swanson*, H. K., W.M. Tonn, M. Power, T.A. Johnston and J.D. Reist.	BIOTIC AND ABIOTIC CHANGES IN AN END-PIT MINE LAKE AFTER LAKE FERTILIZATION TO REMEDIATE SELENIUM CONTAMINATION Luek*, A., C.S. Brock, D. Rowan and J.B. Rasmussen
4:00	MANAGING AN UNCERTAIN LAKE ONTARIO - TOWARDS MULTIPLE FUTURES Todd*, A. and T. Stewart	THE IMPACT OF EUTROPHICATION ON MERCURY CYCLING IN LAKE 227 AT THE EXPERIMENTAL LAKES AREA IN NORTHWESTERN ONTARIO Kirk*, J., Gleason, A., Lehnherr, I., Muir, D., and V. St. Louis	BEHAVIORAL AND GENETIC DIVERSITY AMONG ECOTYPES OF LAKE SUPERIOR BROOK TROUT ( <i>SALVELINUS FONTINALIS</i> ) Sicoly*, L., R.L. McLaughlin, C.C. Wilson, R.W. Mackereth, and K. Nichols	BEHAVIOURAL RESPONSES OF DAPHNIA TO NATIVE AND EXOTIC PREDATORS Goto, S., A. Jokela*, and S.E. Arnott	MARINE DISTRIBUTION OF ATLANTIC SALMON REVEALED BY STABLE ISOTOPES Soto*, D.X., R.A.Cunjak, M.J. Dadswell and C.N. Trueman	THE DUPLICITY OF HYDROPEAKING RIVERS: IS ECOPEAKING POSSIBLE? Jones*, N. E., M.J. Bond, and L.E. Ellis
4:20	MAYBE WE SHOULD ADMIT WE HAVE NO IDEA WHAT WE'RE DOING: MANAGING GREAT LAKES FISHERIES IN THE FACE OF GREAT UNCERTAINTY Jones*, M.	CAN FISH REPRODUCE AFTER THEY STOP TAKING THE BIRTH CONTROL PILL? RECOVERY FROM A WHOLE LAKE EXPERIMENT Kidd*, K., Blanchfield, B. Park, V. Palace, and K. Wautier	INVESTIGATION OF ADAPTATION IN A DAPHNIA POPULATION TO RAPID ENVIRONMENTAL CHANGE Lemmen*, K.D., and S.E. Arnott	CHANGES IN LAKE ERIE PHYTOPLANKTON DENSITY AFTER DREISSENID MUSSEL INVASION Winter*, J.G., M.E. Palmer, E.T.Howell, L. Nakamoto and J.D.Young	TRACKING ADULT PACIFIC SALMON ENERGY USE FROM OCEAN TO SPAWNING GROUNDS WITH ACOUSTIC ACCELEROMETER TRANSMITTERS Wilson*, S.M., M. Donaldson, M. Drenner, E. Martins, E.J. Eliason, D.A. Patterson, A.P. Farrell, S.H. Hinch, and S.J. Cooke	THE ROLE OF THE OKANAGAN BASIN FISH-AND-WATER MANAGEMENT TOOL IN BOOSTING SOCKEYE PRODUCTION Hyatt, K.D., M.M. Stockwell*, D.P. Rankin, K.I. Alex, T. Kahler, P.J. Askey and D. Anderson4
4:40		BACK FROM THE BRINK: GENETICS OF A RECOVERED FATHEAD MINNOW POPULATION FOLLOWING AN ESTROGEN-INDUCED COLLAPSE Docker*, M., L. Postma, R. Bajno, L. Johnson and K. Kidd	RESOURCE POLYMORPHISM AND DIVERGENCE OF CISCO IN GREAT BEAR LAKE, NORTHWEST TERRITORIES Howland*,K., C. Gallagher, D. Boguski, J. Reist, L. Chavarie and S.Wiley	TURBIDITY PROVIDES AN INVASION PATHWAY FOR NON-VISUAL EXOTIC FISH Bassett*,D. and M.Abrahams	ADDRESSING INTERMIXING OF LAKE WHITEFISH POPULATIONS: COMPARING FISHERY MANAGEMENT AND ASSESSMENT PERFORMANCE BASED ON ALTERNATIVE ASSESSMENT APPROACHES Li*,Y. J. R. Bence, and T.O. Brenden.	A CLASSIFICATION OF RIVER HABITAT TYPES ACROSS CANADA Senay*, C. and D. Boisclair
5:15	<b>General Meetings: CCFFR in Room (TBA) and SCL in Room (TBA)</b>					

**Oral Presentations: Saturday Morning, 5 January**

Room	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
<b>Session</b>	<b>T10 Carbon Flux and Nutrient Cycling</b>	<b>T2 Experimental Lakes Area Research</b>	<b>T3 Wetland and Land/Water Linkages</b>	<b>T8 Invasive Species</b>	<b>T 11 Migration, Mixing and Dispersal</b>	<b>T12 Disturbed Ecosystems, Threatened Species and Restoration</b>
8:20	CARBON DIOXIDE AND METHANE DYNAMICS IN BOREAL STREAMS AT THE LANDSCAPE SCALE Hutchins*, R., P. del Giorgio and Y. Prairie	ENVIRONMENTAL FATE AND ECOLOGICAL CONSEQUENCES OF SILVER NANOPARTICLES: DATA FROM THE LAKE ECOSYSTEM NANOSILVER PROJECT AT ELA Cheever*, B. M., P. C. Frost, M. A. Xenopoulos, H. Hintelmann, S. N. Higgins, M. Paterson, G. Blakelock, L. M. Furtado, J. L. Vincent, M. E. Hoque, J. Fischer, and C. D. Metcalfe	CARBON DYNAMICS, FOOD WEB STRUCTURE AND RECLAMATION STRATEGIES FOR ATHABASCA OIL SANDS AFFECTED WETLANDS: REVIEW AND SUMMARY OF A 5-YEAR STUDY Ciborowski*, J, G. Dixon, L. Foote, K. Liber, J. Smits and A. Farwell.	IMPACT OF THE ROUND GOBY ON NATIVE FISHES IN THE ST. CLAIR RIVER, MICHIGAN Burkett*, E.	LAKE STURGEON MIGRATION IN THE DETROIT-ST. CLAIR RIVER SYSTEM: PRELIMINARY RESULTS FROM AN ACOUSTIC TELEMETRY STUDY Hondorp*, D.W., C.C. Krueger, J. Boase, M.V. Thomas, R. Drouin, L. Mohr, E.R. Roseman, J. Chiotti and T.S.Willis.	THE ECOLOGICAL AND SOCIOLOGICAL FACTORS IN DECIDING ENDPOINTS FOR ECOSYSTEM RECOVERY Ramcharan*, C.W.
8:40	STOICHIOMETRY OF MOUGEOTIA: HOMEOSTATIC RESPONSES TO VARIABLE NUTRIENT SUPPLY? Middleton*, C. and P. Frost	ENERGETIC STRATEGIES OF NATURALIZED AND AQUACULTURE STRAINS OF RAINBOW TROUT ( <i>ONCOCHYNCHUS MYKISS</i> ) IN A WHOLE-ECOSYSTEM EXPERIMENT Martens*, M.T., A. J. Wall, R. H. Devlin and P. J. Blanchfield	LONG TERM EFFECTS OF IMPOUNDMENT OF GEORGIAN BAY WETLANDS Taylor*, D.R. and P. Chow-Fraser.	PHYLOGEOGRAPHY OF THE INVASIVE CTENOPHORE <i>MNEMIOPSIS LEIDYI</i> IN EURASIA Ghabooli*, S., T. Shiganova, E. Briski and H.J. Maclsaac	PATTERNS AND MECHANISMS OF SEX-BIASED ARRIVAL OF FISHES AT SPAWNING SITES IN LAKE ONTARIO STREAMS Dolinsek*, I.J, R.L. McLaughlin, J.W.A. Grant, L. O'Connor and T. Pratt	RESTORATION OF WATERSHED PROCESSES AT CFB GAGETOWN, NEW BRUNSWICK Smith*, A.
9:00	THE RELATIVE INFLUENCE OF TOPOGRAPHY AND LAND-USE ON INORGANIC AND ORGANIC CARBON EXPORT FROM CATCHMENTS IN SOUTHERN QUEBEC, CANADA Li*, M., A.H. Parkes, P.A. del Giorgio and Y.T. Prairie	CLIMATE INDUCED EFFECTS ON LAKE TROUT ( <i>SALVELINUS NAMAYCUS</i> H) AT THE EXPERIMENTAL LAKES AREA, NORTHWESTERN ONTARIO, CANADA Guzzo*, M.M., M.D. Rennie and P.J. Blanchfield	LANDSCAPE-LEVEL EFFECTS ON A FRESHWATER AMPHIPOD AT THE LAND-WATER INTERFACE Kielstra*, B., S.E. Arnott and J.M. Gunn	INTERACTIVE EFFECTS OF CALCIUM DECLINE AND PREDATION RISK ON THE POTENTIAL FOR A NORTHWARD RANGE EXPANSION OF THE RUSTY CRAYFISH, <i>ORCONECTES RUSTICUS</i> Edwards*, B.A., V.R.E. Lewis, F.H. Rodd and D.A. Jackson	SPATIALLY VARYING POPULATION DEMOGRAPHICS AND FISHERY CHARACTERISTICS OF LAKE ERIE WALLEYE ( <i>SANDER VITREUS</i> ) INFERRED FROM A LONG-TERM TAG-RECOVERY STUDY Vandergoot*, C.S., and T. O. Brenden	APPLICATION OF COASTAL OCEANIC SENSOR ARRAYS IN THE GREAT LAKES DESIGNATED AREAS OF CONCERN Linley*, R.D, W.J.S. Currie, and S.A. Bailey
9:20	REGIONAL CARBON SEDIMENTATION AND STORAGE IN BOREAL AND TEMPERATE LAKES Ferland*, M-E., Y.T. Prairie, D. Bastviken, S. Sobek, L. Tranvik and P.A. del Giorgio	THE RESPONSE OF FISH MERCURY LEVELS TO CHANGES IN INORGANIC MERCURY LOADING Hrenchuk*, L., P. Blanchfield, J. Van Wallegghem, J. Rudd, and H. Hintelmann	ESTUARINE WATER QUALITY FROM RELATIVELY UNIMPACTED WATERSHEDS DEPENDS AS MUCH ON NATURAL LAND FEATURES THAN ON ANTHROPIC ONES Patoine*, A. and W. Destravil	TEMPORAL TRENDS IN THE $\delta^{13}C$ AND $\delta^{15}N$ ISOTOPE VALUES OF <i>HEMIMYSIS ANOMALA</i> , A RECENT INVADER IN THE GREAT LAKES BASIN Ives*, J. T., J. Marty, M. Koops, Y. de Lafontaine and M. Power	ESTIMATING PARAMETERS FOR CATCH EQUATIONS OVER MULTIPLE REGIONS WITH DISPERSION Calder*, M., Y. Zhao, and X. Zou	SYMPATRIC POLYMORPHISM IN LAKE TROUT: THE COEXISTENCE OF MULTIPLE SHALLOW-WATER MORPHOTYPES IN GREAT BEAR LAKE Chavarie*, L., K. Howland and W. Tonn
9:40	SEASONAL CHANGES IN DOM QUALITY IN BOREAL PEATLANDS AND IMPLICATIONS FOR TRACE METAL TRANSPORT AND AVAILABILITY IN LAKES Szkokan-Emilson*, E., S. Watmough, and J. Gunn	FOOD WEB RELATED HABITAT USE BY LAKE TROUT Cruz-Font*, L., B.J. Shuter, D. DeKerckhove and P.J. Blanchfield	CHARACTERIZATION OF STORMWATER MANAGEMENT PONDS AND THEIR ROLE AS A LAND-WATER LINKAGE IN URBAN ENVIRONMENTS Kirkwood*, A.E., J. Vincent and C. Strangway	THE BEHAVIOURAL BASIS OF TRAPPING AN INVASIVE SPECIES: LESSONS LEARNED FROM THE SEA LAMPREY Rous*, A., R. McLaughlin, G. Bravener, T. Pratt, L. O'Connor and J. Barber	INDIVIDUAL VARIABILITY IN THE MOVEMENT BEHAVIOUR OF JUVENILE ATLANTIC SALMON Roy*, M. L., A.G. Roy, J. W. A. Grant and N. Bergeron	A TEST OF THE SERIAL DISCONTINUITY CONCEPT Ellis*, L.E. and N.E. Jones
10:00	INCORPORATING DISSOLVED ORGANIC CARBON INTO A REGION-SPECIFIC RELATIONSHIP BETWEEN PHOSPHORUS AND CHLOROPHYLL A Beals*, L.J., A. Poste and P.J. Dillon	CHEMOSENSORY CUES FROM SPAWNING SUBSTRATE ATTRACT LAKE TROUT, AND EGG PREDATORS Wasylenko*, B., P. Blanchfield and G. Pyle	CONGRUENCE IN COMMUNITY CHANGE-POINTS IN RESPONSE TO ANTHROPOGENIC STRESS IN GREAT LAKES COASTAL WETLANDS Kovalenko*, K.E., R. Axler, V.J. Brady, J.J.H. Ciborowski, N. Danz, J.P. Gathman, G.E. Host, R.W. Howe, L.B. Johnson, G.J. Niemi and E.D. Reavie	EXAMINING ECOSYSTEM IMPACTS OF NON-NATIVE SPECIES IN AQUATIC SYSTEMS: THE ROUND GOBY IN GREAT LAKES TRIBUTARIES Poesch*, M.S., N.E.Mandrak and M. Koops	THE GENETIC IMPACT OF INVASIVE HYBRIDISING SPECIES ON A THREATENED NATIVE POND FISH: A GENOMIC APPROACH Jeffries*, D., G. Copp, L. Lawson Handley and B. Hänfling (FSBI UK Exchange Student)	A MECHANISTIC UNDERSTANDING OF DENSITY-DEPENDENT CATCHABILITY IN A MULTI-STOCK RAINBOW TROUT RECREATIONAL FISHERY Ward*, H., P. Askey and J.R. Post
<b>10:20</b>	<b>Break - Location TBA</b>					

**Oral Presentations: Saturday Morning, 5 January**

Room	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
<b>Session</b>	<b>T7 Multiple Stressors</b>	<b>T9 Climate Change</b>	<b>T15 Northern Ecosystems</b>	<b>T 14 General - Behaviour</b>	<b>T 14 General - Bioenergetics</b>	<b>T12 Disturbed Ecosystems, Threatened Species and Restoration</b>
10:40	HISTORICAL AND CONTEMPORARY DRIVERS CYANOBACTERIA DYNAMICS; A REGIONAL AND GLOBAL PERSPECTIVE Taranu*, Z.E., R. Zurawell, F. Pick, P. Leavitt and I. Gregory-Eaves ( <u>Rob Peters Memorial Award Recipient</u> )	SUSTAINABLE EXPLOITATION RATES OF WALLEYE: THE ROLE OF CLIMATE AND DENSITY-DEPENDENT LIFE HISTORY TRAITS Lester*, N.P., B.J. Shuter and P.A. Venturelli	BUOYANCY CONTROL MECHANISMS OF FISHES IN DEEPWATER NEARCTIC LAKES Cott*, P.A., A.M. Muir, C.C. Krueger, T.A. Johnston, M.M. Guzzo, P.J. Blanchfield and J.M. Gunn	FLEXIBILITY IN TERRITORY SIZE OF STREAM-DWELLING SALMONIDS: IMPLICATIONS FOR POPULATION REGULATION Grant*, J.W.A	RELATIONSHIPS BETWEEN GROWTH, THE COST OF TISSUE SYNTHESIS, AND STANDARD METABOLIC RATE: IMPLICATIONS FOR HABITAT USE AND LIFE-HISTORY ADAPTATION IN SALMONIDS Rosenfeld*, J.S., T. VanLeeuwen, J. Richards and D. Allen	HOW CAN LIFE HISTORY ATTRIBUTES OF LAKE TROUT FROM LAKE MISTASSINI, QUEBEC INFORM RECOVERY PLANS FOR LAKE TROUT IN THE LAURENTIAN GREAT LAKES? Hansen*, M.J., N. A. Nate, C. C. Krueger, M. S. Zimmerman, H. G. Kruckman, and W. W. Taylor
11:00	PARALLEL TRAIT RESPONSES IN FRESHWATER ZOOPLANKTON POPULATIONS AND COMMUNITIES TO INCREASED DISSOLVED ORGANIC CARBON? Robidoux*, M., A.M. Derry and P. del Giorgio	ENVIRONMENTAL INFLUENCES ON NICHE OVERLAP BETWEEN WALLEYE AND SMALLMOUTH BASS, WITH SPECIAL EMPHASIS ON WATER CLARITY Stasko*, A.D., T.A. Johnston and J.M.Gunn.	DATA LIMITED ASSESSMENT OF SELECTED NORTH AMERICAN ANADROMOUS ARCTIC CHARR, SALVELINUS ALPINUS, STOCKS Tallman*,R.F., X.Zhu, Y.JanJua, L. Harris, C. Gallagher, M-J. Roux, K.L. Howland and M.Toyne	POST-RELEASE BEHAVIOUR OF IMPERILLED FRESHWATER TURTLES IN A SMALL-SCALE COMMERCIAL FYKE NET FISHERY IN EASTERN ONTARIO Stoot*, L.J., N.A. Cairns, A.J. Danylchuk, J. Thiem, S.J. Cooke and G.Blouin-Demers	DIETARY ENRICHMENT OF MARINE-DERIVED LIPIDS IN JUVENILE ATLANTIC SALMON: HIGHLY CONSERVED OR QUICKLY METABOLIZED? Samways*, K. M., T. J. Blair, M. A. Charest and R.A. Cunjak	INVESTIGATIONS OF GEAR MODIFICATIONS TO REDUCE THE BYCATCH OF GREENLAND SHARK IN THE CUMBERLAND SOUND GREENLAND HALIBUT LONGLINE FISHERY Grant*, S.M. and K.J. Hedges
11:20	COMBINED EFFECTS OF ZEBRA MUSSEL ( <i>DREISSENA POLYMORPHA</i> ) INVASION AND NUTRIENT LOADING ON ZOOPLANKTON Sinclair*, J. and S. Arnott	INFLUENCES OF CLIMATE CHANGE, LOCAL WEATHER, LARGE-SCALE CLIMATIC DRIVERS, AND THE SOLAR CYCLE ON LAKE ICE BREAKUP DATES Sharma*, S., J.J. Magnuson and S.R. Carpenter	DESCRIBING THE DISPERSAL BEHAVIOUR OF BAFFIN ISLAND ANADROMOUS ARCTIC CHAR USING A GENETIC ASSIGNMENT APPROACH Moore*, J.-S., L.N. Harris, R.F. Tallman and E.B. Taylor.	CATCH ME IF YOU CAN: SEA LAMPREY ( <i>PETROMYZON MARINUS</i> ) BEHAVIOUR AT THE ENTRANCE OF TRAPS IN THE ST. MARY'S RIVER McLean*, A.R., G. Bravener, T. Pratt, L. O'Connor, J. Barber and R.L. McLaughlin	HABITUATION AND WHITE MUSCLE ANAEROBIC CAPACITY OF FISH EXPERIENCING DAILY FLOW FLUCTUATIONS Harvey-Lavoie*, S. and D. Boisclair	VIABILITY ANALYSIS OF THE NATURAL POPULATION OF SALMO SALAR L. IN THE ALLIER CATCHMENT: IMPACT OF 35 YEARS OF STOCKING Dauphin*, G. and E. Prévost
11:40	THE EFFECTS OF MULTIPLE STRESSORS ON THE ZOOPLANKTON COMMUNITY OF LAKE SIMCOE FROM 1986 TO 2010 Young*, J.D., M.E. Palmer, J.G.Winter, N.D.Yan, N.E. Kelly, J. La Rose and C. Tudorancea	EVIDENCE OF RANGE SHIFTS IN ONTARIO FRESHWATER FISH Alofs*, K. M. and D. A. Jackson	ZOOPLANKTON IN THE FAR NORTH OF ONTARIO: REGIONAL CONTRASTS AND COMPARISONS MacLeod*, J., W.(B) Keller and J.M. Gunn	SNOW CRAB-SHRIMP TRAWLING INTERACTIONS: A CASE STUDY USING TRAWL MOUNTED CAMERA OBSERVATIONS IN NAFO DIV 3K Nguyen*, T.X., P.D. Winger, G.Legge	FISH DIET COMPOSITION AND RESOURCE USE UNDER DIFFERENT OPERATING REGIMES IN REGULATED RIVERS OF ONTARIO AND NEWFOUNDLAND Brush*, J.M., K.D. Clarke, K.E. Smokorowski, J. Marty and M. Power	EFFECTS OF STOCKED TROUT AND AERATION ON NATIVE COMMUNITIES OF BOREAL FOOTHILLS LAKES Tonn*, W.M., J.R. Hanisch, T.G. Holmes, L.E. Nasmith, C.A. Paszkowski, C.M.M. Schank, and G.J. Scrimgeour
12:00	<b>Lunch and Poster Viewing - Location TBA</b>					

**Oral Presentations: Saturday Afternoon, 5 January**

Room	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
<b>Session</b>	<b>T7 Multiple Stressors</b>	<b>T9 Climate Change</b>	<b>T14 General - Management Models</b>	<b>T6 Contaminants and Trophic Transfer</b>	<b>T14 General - Genetics and Physiology</b>	<b>T12 Disturbed Ecosystems, Threatened Species and Restoration</b>
1:00	MULTIPLE ECOLOGICAL STRESSORS IN THE CONTEXT OF THE SPECIES CO-TOLERANCE AND NICHE CONCEPTS Vinebrooke*, R., M. MacLennan, M. Graham and D. Lyons	THERMAL INFLUENCES ON LIFE-HISTORY TRAITS OF NON-NATIVE PUMPKINSEED Fox*, M.G., E. Valente, G. Masson and G.H. Copp	THE INFLUENCE OF STAKEHOLDER VALUES IN ENVIRONMENTAL DECISION MAKING Smyth, E., R. McLaughlin* and M. Koops	WHY DOES THE TROPHIC TRANSFER OF MERCURY VARY FROM ONE LAKE TO ANOTHER? Kidd*, K., M. Clayden, G. Lescord and M. Finley	MORPHOMETRIC AND GENETIC ANALYSIS OF CISCO ( <i>COREGONUS ARTEDI</i> ) FROM THE GREAT LAKES Stott*, W., D. Yule, M. Ebener, R. Claramunt and S. Moore	MODELLING OCCUPANCY AND ABUNDANCE OF AN IMPERILLED STREAM FISH WHILE ACCOUNTING FOR IMPERFECT DETECTION Dextrase*, A.J. and N.E. Mandrak
1:20	EFFECTS OF CLIMATE, HYDROLOGY, AND LAKE PHYSICO-CHEMISTRY ON WATER QUALITY IN THE NORTHERN GREAT PLAINS (QU'APPELLE LTER) Vogt*, R.J., S.Sharma, P.R. Leavitt.	NUNAVUT ARCTIC CHARR FISHERIES: MANAGING FOOD SECURITY AND SUSTAINABLE FISHERY DEVELOPMENT IN A CHANGING ARCTIC Roux*, M-J., R.F. Tallman and Z.A. Martin	PRINCIPLES FOR ENSURING HEALTHY AND PRODUCTIVE FRESHWATER ECOSYSTEMS THAT SUPPORT SUSTAINABLE FISHERIES Lapointe*, N. W. R., S. J. Cooke, J. G. Imhof, D. Boisclair, J. M. Casselman, R. A. Curry, O. Langer, R. L. McLaughlin, C. K. Minns, J. R. Post, M. Power, J. B. Rasmussen, J. D. Reynolds, J. S. Richardson and W. M. Tonn	BIOENERGETIC EFFECTS OF PREY COMMUNITIES ON MERCURY BIOMAGNIFICATION IN NORTHERN PIKE OF SOUTHERN ALBERTA, CANADA Brinkmann*, L. and J.B. Rasmussen	TURNOVER RATE OF SULPHUR IN BROOK TROUT, <i>SALVELINUS FONTINALIS</i> , THROUGH DIET SHIFT EXPERIMENTS IN FIELD AND LABORATORY TRIALS Charest*, M.A., B.S. Graham and R.A. Cunjak	SEASONAL USE OF CRITICAL HABITAT BY THE BLANDING'S TURTLE ( <i>EMYDOIDEA BLANDINGII</i> ) ON BEAUSOLEIL ISLAND, GEORGIAN BAY ISLANDS NATIONAL PARK Markle*, C. E. K. and P. Chow-Fraser
1:40	FORENSECOLOGY Bowman*, M	PHYSIOLOGICAL ADAPTIVE POTENTIAL OF INLAND LAKE TROUT ( <i>SALVELINUS NAMAYCUSH</i> ) POPULATIONS TO CLIMATE CHANGE Kelly*, N.I., G.B. Burness, J.L. McDermid and C.C. Wilson	USING HIDDEN MARKOV MODELS TO IDENTIFY BEHAVIOUR IN THE GULF OF ST. LAWRENCE SNOW CRAB ( <i>CHIONOECETES OPILIO</i> ) FIXED GEAR FISHERY Charles*, C. and D. Gillis	MERCURY BIOACCUMULATION IN FISH OF THE LAKE ERIE FOOD WEB Litznick*, K. and B. Branfireun	OUTBREEDING DEPRESSION: A MULTIGENERATIONAL ANALYSIS IN CHINOOK SALMON Lehnert*, S.J., D.M. Higgs, O.P. Love, and D.D. Heath	DEVELOPING BEST MANAGEMENT PRACTICES FOR TRANS-BOUNDARY ANADROMOUS ALOSINES Cournane*, J.M. and C. Glass
2:00	THE INFLUENCE OF STRESSOR ORDER ON THE NET EFFECT OF INVASIVE FISH AND WARMING ON ZOOPLANKTON COMMUNITIES MacLennan*, M. and R. Vinebrooke	WIND EXPOSURE'S CONTRIBUTION IN EXPLAINING NEAR SHORE FISH HABITAT USE Bermingham*, T., D. Boisclair and S.Gauthier	USING ECOSYSTEM MODELS FOR A LARGE LAKE ECOSYSTEM TO EXAMINE DYNAMIC RELATIONSHIPS BETWEEN WALLEYE, CORMORANTS, AND YELLOW PERCH McGregor*, A, C. Davis and C. Walters	MERCURY EXPOSURE OF SMALL-BODIED FISH IN LOTIC SYSTEMS IN THE HUDSON BAY LOWLANDS Warnock*, A. and B. Branfireun	PEDIGREE ANALYSIS PROVIDE ESTIMATES OF THE EFFECTIVE NUMBER OF BREEDING ADULTS AND NUMBER OF SPAWNING EVENTS FOR WHITE STURGEON IN THE UPPER COLUMBIA RIVER Jay*, K., J. Crossman and K. T. Scribner	TWO DECADES OF RESEARCH ON PERCEIVED RECRUITMENT PROBLEMS OF A LARGE-BODIED BENTHIC CYPRINID, EUROPEAN BARBEL <i>BARBUS BARBUS</i> (L.), IN AN URBANISED RIVER OF SOUTHEAST ENGLAND Copp*, G.H. and L. Vilizzi
2:20	A FISH-BASED INDEX OF BIOLOGICAL INTEGRITY FOR ASSESSING ECOLOGICAL CONDITION OF THE BEAVER RIVER WATERSHED Cantin*, A. and T. Johns	FACTORS INFLUENCING THE THERMAL RESPONSE OF NORTH AMERICAN FRESHWATER FISH Hasnain*, S.S., B.J. Shuter and C.K. Minns	ANTHROPOGENIC CHANGE IN THE RELATION BETWEEN SCALE AND PREDICTABILITY AND ITS IMPACT ON THE SPATIAL DISTRIBUTION OF MARINE ANIMALS Abrahams*, M.V. and L.Goodbrand	PERMAFROST THAW SLUMP EFFECTS ON TUNDRA LAKE LIMNOLOGY AND Hg CYCLING IN A WARMING ARCTIC Houben*, A. J., T. D. French, S. V. Kokelj and J.M. Blais	MATERNAL EGG PROVISIONING IN WILD AND HATCHERY ORIGIN CHINOOK SALMON ( <i>ONCORHYNCHUS TSHAWYTSCHA</i> ) Haring*, M. and T. Pitcher	MOVEMENTS OF LISTED GRASS PICKEREL <i>ESOX AMERICANUS VERMICULATUS</i> IN AN AGRICULTURAL DRAIN AND THE IMPLICATIONS FOR DRAIN MAINTENANCE Kramski*, N., N.E. Mandrak and R. McLaughlin
<b>2:40</b>	<b>Break - Location TBA</b>					

### Oral Presentations: Saturday Afternoon, 5 January

Room	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
<b>Session</b>	<b>T7 Multiple Stressors</b>	<b>T9 Climate Change</b>	<b>T14 General - Management Models</b>	<b>T14 General</b>	<b>T14 General</b>	<b>T14 -General</b>
3:00	CAN WE FORECAST THE OCCURRENCE OF CYANOBACTERIA BLOOMS IN MUSKOKA LAKES? Persaud*, A.D., A.M. Paterson, J.G. Winter and P.J. Dillon	HOW IS GCC AFFECTING HABITAT QUALITY AND QUANTITY OF NORTHERN PIKE IN EASTERN GEORGIAN BAY? Biberhofer*, C. and P. Chow-Fraser.	THINGS TO CONSIDER WHEN CREATING AN AQUATIC ECOSYSTEM CLASSIFICATION Melles*, S.J.	A HIGH-RESOLUTION INVESTIGATION OF GROUNDWATER/SURFACE WATER INTERACTION AND ITS CORRELATION TO SALMONID REDD SITE SELECTION McCutcheon*, C.A. and W.K. Annable	CANADIAN RECREATIONAL FISHERIES SURVEYS: 35-YEARS OF BIOLOGICAL, SOCIAL, AND ECONOMIC DATA Brownscombe*, J.W., W. Bowden, S. Bower, L. Nowell, J.D. Midwood, S. J. Cooke, and N. Johnson	A REGIONAL COMPARISON OF BENTHIC MACROINVERTEBRATE COMMUNITY FUNCTION IN PRECAMBRIAN SHIELD AND ST. LAWRENCE LOWLAND LAKES: A STABLE ISOTOPE APPROACH Burke*, S.B., A.D. Persaud and P.J. Dillon
3:20	ZOOPLANKTON IS THE MOST IMPORTANT TROPHIC LINK IN AN UNSTABLE RESERVOIR ENVIRONMENT Campen*, M., and J.B. Rasmussen	STANDARD METABOLIC RATE RESPONSE OF ATLANTIC SALMON PARR ( <i>SALMO SALAR</i> ) TO DAILY THERMAL FLUCTUATIONS IS INFLUENCED BY TEMPERATURE ACCLIMATIZATION AND THERMAL HISTORY Oligny-Hébert*, H., E. Enders and D. Boisclair	BYCATCH OF ENDANGERED COHO SALMON IN AN ABOROGINAL FISHERY: MEASURING IMPACTS AND EVALUATING SOLUTIONS Raby*, G.D., M.R. Donaldson, V.M. Nguyen, S.G. Hinch, D.A. Patterson, D. Robichaud, K.K. English, A.P. Farrell and S.J. Cooke	CAN STORMWATER PONDS SUPPORT RECREATIONAL FISHERIES IN SOUTHERN ALBERTA? Seward, S.*, A. Hontela and J.B. Rasmussen	HARVEST MODELS AND STOCK CO-OCCURRENCE: PROBABILISTIC METHODS FOR ESTIMATING BYCATCH Drake*, D.A.R., and N.E. Mandrak	METABOLOMIC DIFFERENTIATION OF NUTRITIONAL STRESS IN AN AQUATIC INVERTEBRATE Wagner*, N.D., B.Lankadurai, M.J. Simpson, A.Simpson and P.C. Frost
3:40		IMPACTS OF SUSTAINED LOW WATER LEVELS AND HUMAN SHORELINE DEVELOPMENT ON HISTORICAL MUSKELLNGE ( <i>ESOX MASQUINONGY</i> ) NURSERY HABITATS IN SOUTHEASTERN GEORGIAN BAY Leblanc*, J.P and P. Chow-Fraser.	COMPARATIVE FISHING TO DETERMINE THE COMMERCIAL VIABILITY OF A NEW BOTTOM FRIENDLY SHRIMP TRAWL Munden*, J.G., S.M. Grant and P.D. Winger	SIZE-DEPENDENT DIEL AND SEASONAL PATTERNS OF DEPTH AND VERTICAL MOVEMENT IN A FRESHWATER PISCIVORE Gutowsky*, .L.F.G., P.M. Harrison, E.G. Martins, A. Leake, D.A. Patterson, M. Power and S.J. Cooke	EFFECTS OF SAMPLE SIZE AND DETECTION LIMIT ON THE PERFORMANCE OF DIFFERENT SPECIES DISTRIBUTION MODELS: A SIMULATION STUDY Wang*, L. and D.A. Jackson	FROM ONE GENERATION TO THE NEXT: EFFECTS OF PARENTAL STRESS ON SOCKEYE SALMON OFFSPRING Sopinka*, N., C. Middleton, M. Lesko, D. Patterson and S. Hinch
<b>4:00</b>	<b>End</b>					

## Posters-at-a-Glance, Location TBA

T1 Great Lakes Fisheries and Environmental Policies		
P1	Gobin	THE EFFECT OF DREISSENIIDS ON DENSITY-DEPENDENT GROWTH AND RECRUITMENT OF LAKE HURON LAKE WHITEFISH
T2 Experimental lakes Area (ELA) Research		
P2	Blanchfield	THE ROLE OF MALE REPRODUCTIVE BEHAVIOUR IN THE COLLAPSE AND RECOVERY OF FATHEAD MINNOWS FROM A WHOLE LAKE ESTROGEN ADDITION
P3	Lehnherr	THE IMPORTANCE OF SEDIMENT RETURN IN SUBSIDIZING NITROGEN REQUIREMENTS FOR ALGAL PRODUCTION IN AN EXPERIMENTALLY EUTROPHIED LAKE (LAKE 227)
P4	Schiff	DISSOLVED ORGANIC MATTER AT ELA: EFFECTS OF PHOTOLYSIS ON DOM AND CO <sub>2</sub> ISOTOPES AND DOM QUALITY
P5	Venkiteswaran (Flinn)	CHANGES IN NITROGEN DEPOSITION ARE OBSERVED AT THE EXPERIMENTAL LAKES AREA: DOES INCREASED NITROGEN DEPOSITION ALTER THE 15N IN LAKES?
P6	Venkiteswaran	A COMPARISON OF OXYGEN CONSUMPTION AND ISOTOPIC FRACTIONATION IN SUB-BOREAL LAKES
P7	Venkiteswaran	EFFECTS OF INTERNAL CARBON SUPPORT ON THE 13C OF ORGANIC CARBON IN AN EXPERIMENTALLY EUTROPHIED LAKE
P8	Venkiteswaran	PROCESSES AFFECTING GREENHOUSE GAS PRODUCTION IN EXPERIMENTAL BOREAL RESERVOIRS
T3 Wetland and Land/Water Linkages		
P9	Buckley	A COMPARISON OF FISH INDICES OF BIOLOGICAL CONDITION AT GREAT LAKES COASTAL MARGINS
P10	Gardner Costa	SHALLOW WATER BATHYMETRY AND AUBMERGED AQUATIC VEGETATION DISTRIBUTION IN PENETANG BAY, LAKE HURON, ON: DEMONSTRATION OF A REMOTELY OPERATED VESSEL FOR ENVIRONMENTAL RESEARCH (ROVER)
P11	Gathman	GREAT LAKES COASTAL WETLAND MONITORING PROJECT: PROGRESS REPORT FOR CANADA
P12	Knopf	IMPLICATIONS FOR PHYTOPLANKTON OF LONG-TERM DECLINES IN SPRING PHOSPHORUS DELIVERY TO LAKES
P13	Makish	INVASIVE PHRAGMITES EFFECTS ON COASTAL WETLAND FISH COMMUNITIES OF THE GREAT LAKES BASIN
P14	Paszkowski (Anderson)	BEAVER CANALS PROVIDE TRAVEL CORRIDORS FOR DISPERSING WOOD FROGS
P15	Pennington	TEMPORAL AND SPATIAL VARIATION IN PEATLAND BIOGEOCHEMISTRY IN THE SMELTER AFFECTED AREA OF SUDBURY, ONTARIO
P16	Sadlier	THE ROLE OF STREAM MICROBIAL COMMUNITIES IN THE RECOVERY OF AQUATIC ECOSYSTEMS FROM NATURAL AND INDUSTRIAL DAMAGE
P17	St.Pierre	IS MACROINVERTEBRATE RICHNESS AND COMMUNITY COMPOSITION DETERMINED BY HABITAT COMPLEXITY OR VARIATION IN COMPLEXITY?
T4 Aquatic Ecosystems Services		
P18	Pollom	CONSUMER-RESOURCE SPATIAL ASSOCIATIONS AND PRODUCTIVE CAPACITY IN A MANITOBA RESERVOIR: A HYDROACOUSTICS APPROACH
T5 Genetic Diversity and Adaptation		
P19	Kidd	LOCAL AND REGIONAL POPULATION GENETIC STRUCTURE OF THE THREATENED CHANNEL DARTER IN ONTARIO
P20	Reilly	ARCTIC GRAYLING (THYMALLUS ARCTICUS) POPULATION STRUCTURE AND DIVERSITY IN A DISTURBED LANDSCAPE



T6 Contaminants and Trophic Transfer		
P21	Kuchapski	SELENIUM TOXICITY IMPACTS ON FISH AND MACROINVERTEBRATE COMMUNITY COMPOSITION IN STREAMS DRAINING SURFACE COAL MINES
T7 Multiple Stressors		
P22	Hiriart-Baer	CAN PHYTOPLANKTON PHOTOSYNTHETIC HEALTH ASSESSMENTS PROVIDE MEANINGFUL INSIGHT TO RESEARCH AND MONITORING EFFORTS IN A EUTROPHIC EMBAYMENT?
P23	MacDougall	BIOASSESSMENT OF CUMULATIVE EFFECTS ON WATER QUALITY IN THE MUSKOKA RIVER WATERSHED
P24	Palmer	COMPLEX INTERACTIONS AMONG STRESSORS CAUSE REGIONAL CHANGE
P25	Salt	THE TYRANNY OF SMALL DECISIONS: CUMULATIVE EFFECTS IN THE GEORGIAN BAY SYSTEM
T8 Invasive Species		
P26	Beric	RAPID RESPONSE TO ALIEN INVASIVE SPECIES: ERADICATION, CONTROL THE SPREAD AND SUPPRESSION STRATEGIES
P27	Chan	TRANSPORT PATHWAY INFLUENCES THE RELATIONSHIP BETWEEN PROPAGULE PRESSURE AND COLONIZATION PRESSURE IN INVASION ECOLOGY
P28	Furlanetto	REGIONAL DISPERSAL INFLUENCES ZOOPLANKTON COMMUNITY RESPONSE TO DREISSENA POLYMORPHA INVASION
P29	Howland	SHIFTS IN SPECIES COMPOSITION AT MAJOR ARCTIC PORTS: INTRODUCTIONS, CLIMATE CHANGE OR INCREASED SURVEY EFFORT?
P30	Rooke	OVERWINTER SURVIVAL, LIPID, AND REPRODUCTIVE ALLOCATION OF NON-NATIVE FISHES INTRODUCED INTO NOVEL CLIMATES
P31	Stephenson	EFFECTS OF TEMPERATURE ON ROUND GOBY (NEOGOBIOUS MELANOSTOMUS) LARVAL DEVELOPMENT
T9 Climate Change		
P32	Gillespie	EFFECTS OF EXPERIMENTAL THERMOCLINE DEEPENING OF A SMALL BOREAL LAKE ON FISH COMMUNITY DYNAMICS AND TROPHIC ECOLOGY
P33	Hadley	THE DYNAMIC RESERVOIR SIMULATION MODEL (DYRESM): 35 YEARS OF PHYSICAL LIMNOLOGICAL CHANGE IN HARP LAKE, ONTARIO
P34	Watkins	RESPONSE OF NEAR SHORE INVERTEBRATE COMMUNITIES TO HABITAT CHANGES ASSOCIATED WITH A LAKE MIXING EXPERIMENT
T10 Carbon Flux and Nutrient Cycling		
P35	MacDonald	AVIAN-DRIVEN ALTERATIONS IN SEASONAL CARBON CYCLING OF AN ARCTIC TUNDRA POND IN WAPUSK NATIONAL PARK (MANITOBA, CANADA)
P36	Munden	REDUCING GANGION BREAKING STRENGTH OF GREENLAND HALIBUT LONGLINE GEAR TO REDUCE GREENLAND SHARK BYCATCH IN THE CUMBERLAND SOUND
P37	Rosamond	EXAMINING RELATIONSHIPS (OR LACK THEREOF) BETWEEN NITROUS OXIDE AND NITRATE IN RIVERS: IS THE IPCC ENTIRELY WRONG?
T11 Migration, Mixing and Dispersal		
P38	Barth	CONTRIBUTIONS OF CRUSTACEAN ZOOPLANKTON AND CHAOBORUS PUNCTIPENNIS TO ACOUSTIC DOPPLER CURRENT PROFILER BACKSCATTER INTENSITY
P39	Bliss	MONITORING RESIDENT FISH MOVEMENTS IN AN URBAN STREAM AND MUNICIPAL DRAIN USING PIT TELEMETRY
P40	Cejudo	ON THE POTENTIAL CONTRIBUTION OF AMMONIA VOLATILIZATION TO AMMONIUM DECREASE ON A SUBSIDIZED RIVER (GRAND RIVER, ONTARIO)

T12 Disturbed Ecosystems, Threatened Species and Restoration		
		ZOOBENTHIC COMMUNITY COMPOSITION TRENDS IN CONSTRUCTED BOREAL WETLANDS
P41	Bagnall	– RESIDUAL EFFECTS OF OIL SANDS MINING-BYPRODUCTS
P42	Browne (Nagrodski)	AMERICAN EEL HABITAT USE AND MOVEMENT IN THE LAC DES CHATS SECTION OF THE OTTAWA RIVER
P43	Brumpton and Hogg	LAKE ONTARIO COASTAL WETLANDS AND NATIVE FRESHWATER MUSSELS: REFUGIA FROM INVASIVE ZEBRA MUSSELS?
P44	Folks	WHAT IS HAPPENING TO WILD SALMON IN YOUR COMMUNITY?
P45	Grant	DISTRIBUTION OF WOLFFISH ( <i>ANARCHICHAS SP.</i> ) ON THE SOUTHERN GRAND BANK AND SURVIVAL OF ATLANTIC WOLFFISH ( <i>A. LUPUS</i> ) CAPTURED INCIDENTALLY IN THE YELLOWTAIL FLOUNDER ( <i>PLEURONECTES FERRUGINEA</i> ) OTTER TRAWL FISHERY
P46	Gray	IMPACTS OF INTRODUCED TROUT ON ZOOPLANKTON COMMUNITIES OF MOUNTAIN LAKES: RESTORATION OR LAISSEZ FAIRE?
P47	Heneberry	COMPARISON OF LAKES RECOVERING FROM ACIDIFICATION FROM MINE TAILINGS AND LAKES RECOVERING FROM THE EFFECTS OF ACID PRECIPITATION
P48	Jean	INVESTIGATION OF THREATS TO SPECIES AT RISK FISHES IN GRAND BEND ONTARIO
P49	Murrant	IMPACTS OF ELECTROMAGNETIC FIELDS FROM WOLFE ISLAND SUBMARINE CABLE ON NEARSHORE FISH DIVERSITY AND DISTRIBUTION
P50	Nakhaie	AVIAN SPECIES-AREA RELATIONSHIPS IN THE NATURAL AND CONSTRUCTED WETLANDS OF NORTHEASTERN ALBERTA
P51	Steffensen	BIOLOGICAL EFFECTIVENESS OF AN INEXPENSIVE NATURE-LIKE FISHWAY CONSTRUCTED BY VOLUNTEER LABOUR FOR PASSAGE OF WARMWATER FISH ON A SMALL ONTARIO STREAM
P52	Williams	AQUATIC AND RIPARIAN HABITAT USE BY EMERGING ADULT INSECTS IN BOREAL FEN AND MARSH VEGETATION
T13 Salmonids as a Sentinel Species		
P53	Minke-Martin	IDENTIFICATION OF THERMAL HABITAT USE BY 1SW ATLANTIC SALMON ( <i>SALMO SALAR</i> ) OF NORTH AMERICAN ORIGIN DURING SUMMERS AT SEA, USING OXYGEN STABLE ISOTOPES
T14 General Contributed Papers		
P54	Brekke	ASSESSING COMMUNITY STRUCTURE USING TWO DIFFERENT STANDARDIZED GILL NETTING PROTOCOLS
P55	Burke	AN INVESTIGATION OF THE EFFECTS OF PRE-ANALYSIS ACIDIFICATION ON FRESHWATER MACROPHYTE $\delta^{15}N$ AND $\delta^{13}C$
P56	Collins	INADEQUATE REPLICATION IS GENERATING FALSE DISCOVERIES AND INFLATED EFFECT SIZES IN THE LITERATURE
P57	Conway	BENTHIC MACROINVERTEBRATE COMMUNITIES OF LAKE SIMCOE (ONTARIO, CANADA): INVESTIGATING A 85 YEAR TIME-SCALE
P58	Dauphin	RECOVERY STRATEGY FOR A STRADDLING STOCK: 3LNO AMERICAN PLAICE
P59	Eisner	A MORE CONSISTENT METHOD FOR MEASURING OTOLITHS
P60	Guénard	PHYLOGENETICS TO HELP PREDICTING FISH SWIMMING COSTS
P61	Guzzo	HABITAT USE OF PREDATORY FISH SPECIES IN A NORTHERN BOREAL LAKE
P62	Lennox	ESTABLISHING THE LINK BETWEEN FISH BIODIVERSITY AND BIOMASS PRODUCTION ACROSS THE CANADIAN LANDSCAPE
P63	Muhametsafina	THE FATE OF DEAD FISH IN AN URBAN STREAM: INSIGHTS FOR TRACKING STUDIES AND FISH KILL INVESTIGATIONS
P64	Murphy	GEAR MODIFICATIONS TO A SHRIMP TRAWL TO REDUCE SEABED IMPACTS AND PRESERVE CATCH RATES IN THE ATLANTIC CANADA INSHORE SHRIMP FISHERY
P65	Murphy	MODIFYING BAITED COD POTS TO CAPTURE FLATFISH SPECIES WHILE EXCLUDING SNOW CRAB

P66	Newton	USING GAME CAMERAS TO REMOTELY MEASURE ANGLING EFFORT ON SMALL LAKES : A CASE STUDY FROM BRITISH COLUMBIA
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