CCFFR/SCL merged list of Oral presentations

Addison, P. A., C. C. Wilson, and. B. J. Shuter ASSESSING GENETIC DIVERSITY OF SPAWNING RAINBOW TROUT IN TRIBUTARIES OF LAKE SUPERIOR ALONG THE ONTARIO SHORELINE.

Aherne, J., and Dillon, P.J. LONG-TERM TRENDS IN THE CHEMISTRY OF PRECIPITATION AND LAKE WATER IN SOUTH-CENTRAL ONTARIO, CANADA

Aherne, J., Larssen, T., and Dillon, P.J. MODELLING THE FUTURE WATER CHEMISTRY OF LAKES IN SOUTH-CENTRAL ONTARIO, CANADA

Archambault, P., S. Dimitriadis and P. Sirois STOCKING FISHLESS LAKES: INFLUENCE OF BROOK TROUT ON MESOZOOPLANKTON COMMUNITY STRUCTURE OF BOREAL SHIELD LAKES IN THE SAGUENAY REGION

Badiou, P.H., and Goldsborough, L.G. THE COMMON CARP (*CYPRINUS CARPIO*) IN MANITOBA: IMPACTS AND EXPANSION OF AN EXOTIC BENTHIVOROUS FISH

Bailey, J. L. and R.C. Bailey CORRELATION OF FISH COMMUNITIES AND MULTI-SCALE ENVIRONMENTAL DESCRIPTORS IN WADEABLE STREAMS OF THE YUKON RIVER BASIN.

Beauvais, S., del Giorgio, P.A., Longhi, L.M., and Prairie, Y.T. ABUNDANCE AND SEASONAL DYNAMICS OF TRANSPARENT EXOPOLYMERIC PARTICLES (TEP) ALONG A GRADIENT OF LAKE PRODUCTIVITY: POTENTIAL SOURCES AND IMPLICATIONS TO THE CARBON CYCLE.

Bédard, M.-È., Imre, I. and Boisclair D. NOCTURNAL DENSITY PATTERNS OF ATLANTIC SALMON PARR IN THE SAINTE-MARGUERITE RIVER, QUÉBEC, RELATIVE TO THE TIME OF NIGHT.

Beisner, B.E., Paterson, A.M, Hovius, J., Heintsch, L., and Winter, J.G. EPILIMNETIC PHYTOPLANKTON COMMUNITY RESPONSES TO INVASION BY *BYTHOTREPHES LONGIMANUS*

Belzile, N., Y. Chen, T. Delongchamp and J. Gunn EVIDENCE OF SELENIUM ANTAGONISM ON MERCURY ASSIMILATION IN SUDBURY LAKES

Bentzen, P. and K.D Murray.CONSERVATION GENETICS OF ATLANTIC AND LAKE WHITEFISH IN THE MARITIME PROVINCES

Berglund, E. and R. Mackereth.CULVERTS AS, IN-STREAM BARRIERS TO FISH MOVEMENT AT THE LOCAL AND RIVERSCAPE LEVEL IN COLDWATER, SMALL STREAMS ALONG LAKE SUPERIOR TRIBUTARIES Bérubé, A., P. Sirois and M. Legault OVER-WINTER MORTALITY IN FRESHWATER RAINBOW SMELT: A NORTH-SOUTH COMPARISON

Bhagat, Y¹, J.J.H. Ciborowski¹, T.B. Hrabik², J. Schuldt³, L.B. Johnson⁴, C. Richards⁵DEVELOPING ENVIRONMENTAL INDICATORS OF STRESS AT GREAT LAKES COASTAL MARGINS

Biro PA, MV Abrahams, JR. Post and EA. Parkinson THE ROLE OF PREDATORS IN STABILIZING WILD SALMONID POPULATIONS AGAINST INVASION BY DOMESTIC STRAINS.

Blackie, C., M. Ferguson and R. Danzmann. THE INFLUENCE OF CULTURE HISTORY ON GENETIC VARIATION AND POPULATION STRUCTURE FOR TWO STRAINS OF CULTURED ARCTIC CHARR (*SALVELINUS ALPINUS*) IN EASTERN CANADA.

Blanchfield P. and L. Tate. THE RESPONSE OF NATIVE FISH TO FRESHWATER AQUACULTURE OPERATIONS

Boisclair, D. ENERGETICS AND LOCOMOTION IN FISHES

Bott, K., DeHaan, P.W. Forsythe, P.S., Elliott, R.F., Meronek, T. Scribner, K.T RELATIVE CONTRIBUTIONS OF SPAWNING STOCKS OF LAKE STURGEON TO POPULATIONS IN LAKE MICHIGAN

Bouchard, J. and D. Boisclair, D.THE INFLUENCE OF LOCAL VARIABLES AND SPATIAL CONTEXT ON HABITAT QUALITY MODELS IN RIVERS

Bourque, G. and D. Boisclair.COMPARING DAY AND NIGHT HABITAT QUALITY INDICES FOR JUVENILE ATLANTIC SALMON (*SALMO SALAR*)

Bowman, J.THE USE OF STABLE ISOTOPES TO ELUCIDATE FEEDING RELATIONSHIPS IN KEY FISH SPECIES IN THE BAY OF QUINTE AND ONEIDA LAKE

Bowman, M.F. Scott, L.D., Reid, R.A. Somers, K.M. THE ROLE OF DROUGHT-INDUCED RE-ACIDIFICATION AND ELEVATED METAL CONCENTRATIONS IN THE IMPAIRMENT OF BENTHIC MACROINVERTEBRATE COMMUNITIES IN DORSET-AREA STREAMS

Breau C. and R.A. Cunjak THE AGGREGATION PATTERNS OF JUVENILE ATLANTIC SALMON (*SALMO SALAR*) IN THE CONFLUENCE OF CATAMARAN BROOK, NEW BRUNSWICK, DURING HIGH WATER TEMPERATURE

Brind'Amour, A. and D. Boisclair THE EFFECT OF THE SPATIAL ARRANGEMENT OF HABITAT PATCHES ON THE DEVELOPMENT OF FISH HABITAT MODELS IN THE LITTORAL ZONE OF A CANADIAN SHIELD LAKE Brock, C.S., Leavitt, P.R., Johnson, S.P., Moore, J.W., Schindler, D.E. and Quay, P.D. SPATIAL VARIABILITY OF STABLE ISOTOPES AND FOSSIL PIGMENTS IN SURFACE SEDIMENTS OF TWO ALASKAN SALMON LAKES: CONSTRAINTS ON QUANTITATIVE ESTIMATES OF PAST FISH POPULATIONS

Browne, D.R. and J.B. Rasmussen DOES TOP-PREDATOR REMOVAL LEAD TO AN ALTERNATIVE STATE IN BROOK TROUT SPORT FISHERIES?

Buckley, J. and C. Wilson. THE EFFECTIVENESS OF PROTECTED AREAS IN ONTARIO AT PRESERVING AND MAINTAINING FISH SPECIES BIODIVERSITY

Burke, C.B. W.A. Montevecchi, C. May, G.K. Davoren, ASSESSING FORAGE FISH AVAILABILITY FROM THE DIETS OF PUFFIN CHICKS AT AN INSHORE AND OFFSHORE COLONY OFF THE NORTHEAST COAST OF NEWFOUNDLAND

Campbell, L, M, Szabo, R, Greenwood, D., Barton, D, Muir, D. C. G., and Hecky R. E. TRANSFER OF MERCURY AND OTHER METALS IN EASTERN LAKE ERIE: HOW DOES THE ROUND GOBY FIT IN?

Carr, G.M., Morin, A., and Chambers, P.A. PREDICTION OF PERIPHYTON IN RIVERS: THE MORE WE LOOK, THE LESS WE KNOW?

Casselman, J., Leggett, W., Johnston, T., Casselman, S., Herra, T Otolith GROWTH OF FISHES IN RELATION TO THERMAL REQUIREMENTS, ENVIRONMENT, AND CLIMATE.

Chernoff, E. and Curry, R.A EARLY DEVELOPMENT OF ANADROMOUS AND FRESHWATER-RESIDENT BROOK TROUT (<u>SALVELINUS FONTINALIS</u>): SPAWNING, INCUBATION AND EMERGENCE PARAMETERS.

Chowdhury M. A. K. and F. W. H. Beamish HABITAT, FOOD AND SOUTHWESTERN ONTARIO POPULATIONS OF GREENSIDE DARTER (*ETHEOSTOMA BLENNIOIDES* RAFINESQUE)

Christie, G.C. & C.I. Goddard. BILL BEAMISH – SCIENCE AND SEA LAMPREYS – APPLYING KNOWLEDGE TO PROTECT GREAT LAKES FISHES

Christie, G.C. and C.I. Goddard. IMPLEMENTING A SEA LAMPREY CONTROL PROGRAM IN THE GREAT LAKES

Chu, C., C.K. Minns and N.E. Mandrak. POTENTIAL DISTRIBUTION CHANGES IN LAKE TROUT, WALLEYE AND SMALLMOUTH BASS WITH CLIMATE CHANGE.

Ciborowski, J.J.H., G. Matisoff LAKE ERIE TROPHIC STATUS COLLABORATIVE STUDY: INVESTIGATING MECHANISMS AND EXTENT OF INTERNAL PHOSPHORUS LOADING Clark, J. W., Mandrak, N. E. and D. L. G. Noakes REDHORSE SUCKERS IN THE GRAND RIVER, ONTARIO: HOW DO SIX ECOLOGICALLY SIMILAR SPECIES COEXIST?

Claudi, R. ENVIRONMENTAL AND ECONOMIC COSTS OF INVASIVE ALIEN SPECIES IN CANADA

Colautti, R. I., H. J. MacIsaac and D.D. Heath.INVASION GENETICS OF THE EURASIAN SPINY WATERFLEA: EVIDENCE FOR BOTTLENECKS AND GENE FLOW USING MICROSATELLITE DATA

Collins, N.C., B.A. Henderson, and K.C. Beauchamp. CONTINENTAL-SCALE VARIATION IN AGE AND SIZE AT MATURITY OF LAKE WHITEFISH (*COREGONUS CLUPEAFORMIS*): PHENOTYPIC OR GENETIC?

Comandante, B.LIVE FISH POST HARVEST TECHNOLOGY: AN ENTRY POINT FOR COASTAL RESOURCES MANAGEMENT

Cooke, S.J. K. English. D. Welch. S.G. Hinch, G. Crossin, J.L. Young, M.C. Healey. A.P. Farrell. G. Van Der Kraak. M. Shrimpton. J.S. Macdonald, D. Patterson. COUPLING NON-INVASIVE PHYSIOLOGICAL AND ENERGETIC ASSESSMENTS WITH TELEMETRY: AN ASSESSMENT OF A NOVEL APPROACH FOR EXAMINING MIGRATION MECHANISMS IN SOCKEYE SALMON

Coombs, M.F. and M.A. Rodríguez EXAMINATION OF SIMPLE MATHEMATICAL DISPERSAL MODELS USING A JUVENILE SALMONINE COHORT SUPPORTS THEIR USE AS STANDARD PREDICTORS

Coombs, M.F. and M.S. Ridgway LAKE-WIDE DISPERSAL OF A JUVENILE SALMONINE COHORT IS COMPATIBLE WITH DENSITY-INDEPENDENT DIFFUSION

Corkum, L.D., Jasra, S.K., Li, W., Scott, A.P., and B. Zielinski POTENTIAL CONTROL OF ROUND GOBIES USING PHEROMONES

Crenshaw M.C., Hall R.I., and Paterson, A. USE OF LONG-TERM DATA TO ASSESS EFFECTS OF ENVIRONMENTAL STRESSORS ON DIATOM COMMUNITIES IN ACID-SENSITIVE LAKES

Cyr, H. DISTRIBUTION AND DYNAMICS OF EXOPOLYMERIC SUBSTANCES (EPS) IN THE LITTORAL SEDIMENTS OF AN OLIGOTROPHIC LAKE.

del Giorgio, P. A.LINKING BACTERIAL RESPIRATION, CARBON CONSUMPTION AND DISSOLVED ORGANIC CARBON LABILITY IN LAKES, RIVERS AND ESTUARIES Delaney, L.M., Campbell, C.E., and Jamu, D.M SEASONAL PATTERNS IN WATER QUALITY AND ABUNDANCE OF *BARBUS* FISHES IN THE MNEMBO RIVER, SOUTHERN AFRICA.

Demarty, M. and Y. Prairie. DOC RELEASED BY MACROPHYTES IN SOUTHESTERN QUEBEC LAKES.

Derry, A.M., Arnott, S.E., and Boag, P.T. DISTURBANCE HISTORY AS A SELECTIVE FORCE FOR EVOLUTION OF ACID TOLERANCE: IMPLICATIONS FOR COLONIZATION AND BIOLOGICAL RECOVERY IN HISTORICALLY-DAMAGED LAKES

Deschênes, J. and M.A. Rodríguez HIERARCHICAL ANALYSIS OF RELATIONSHIPS BETWEEN BROOK TROUT DENSITY AND STREAM HABITAT FEATURES

Dillon, P.J. and Molot, L.A. LONG-TERM TRENDS IN EXPORT AND RETENTION OF DISSOLVED ORGANIC CARBON, PHOSPHORUS and IRON IN THE DORSET STUDY LAKES, 1978-1998.

Docker, M.F. BILL BEAMISH'S CONTRIBUTIONS TO LAMPREY RESEARCH AND RECENT ADVANCES IN THE FIELD

Doka, S.E, L.D. Bouvier, N.E. Mandrak, and C.K. Minns. VULNERABILITY OF FRESHWATER COASTAL WETLAND FISH ASSEMBLAGES TO CLIMATE CHANGE AND AN ASSESSMENT OF CULTURAL ADAPTATION STRATEGIES

Doka, S.E, M.A. Koops, N.E. Mandrak, and J. Barnucz. NON-DESTRUCTIVE ESTIMATION OF POPULATION CHARACTERISTICS IN FISH SPECIES AT RISK

Dolinsek, I., J.W.A. Grant¹, and P. Biron THE EFFECT OF VISUAL ISOLATION ON THE POPULATION DENSITY OF ATLANTIC SALMON (*SALMO SALAR*): A GIS APPROACH

Donald DB STOCK-YIELD MODEL FOR A FISH WITH VARIABLE ANNUAL RECRUITMENT

Drouin, A., P. Siroisand P. Archambault STOCKING FISHLESS LAKES: EFFECT OF BROOK TROUT ON THE STRUCTURE OF INVERTEBRATE COMMUNITIES IN THE LITTORAL ZONE OF BOREAL SHIELD LAKES

Dunlop, E.S., Shuter, B.J and Dieckmann, U SELECTIVE MORTALITY AND EVOLUTION IN INTRODUCED SMALLMOUTH BASS POPULATIONS.

Duplisea, D.E. PREDATION RISK AS A PREDICTOR OF COD RECRUITMENT IN THE NORTHERN GULF OF ST. LAWRENCE Dupont P, and L. Bernatchez.POPULATION DIVERGENCE, INNER LAKE DISPERSAL, AND CONSERVATION GENETICS OF LAKE MISTASSINI'S WALLEYE (*Sander vitreus*).

Eimers, M.C., and Buttle, J.M.POTENTIAL EFFECT OF EXTREME WEATHER AND SEASONAL CHANGES IN PRECIPITATION ON CHEMICAL EXPORTS FROM CATCHMENTS

Esseltine, K.R. and B.L. Tufts. DEEPWATER ANGLING CAUSES TISSUE DAMAGE IN SMALLMOUTH BASS (*MICROPTERUS DOLOMIEU*)

Febria, C.M., Lesack, L.W.F., and Bothwell, M.L. DISSOLVED ORGANIC CARBON, HYDROGEN PEROXIDE AND BACTERIAL PRODUCTION TRENDS IN FORTY MACKENZIE DELTA LAKES NEAR INUVIK, WESTERN CANADIAN ARCTIC.

Forrest, J. and Arnott, S.E. DISPERSAL, NUTRIENT ENRICHMENT, AND DIVERSITY OF A CRUSTACEAN ZOOPLANKTON COMMUNITY

Forsythe, P.S., K.T. Scribner, K. Bott. and E. Baker FERTILIZATION SUCCESS, EGG PREDATION, DEPOSITION AND POST EMERGENT SURVIVAL IN THE LAKE STURGEON (ACIPENSER FULVESCENS): THE RELATIVE IMPORTANCE OF POTENTIAL BARRIERS TO RECRUITMENT

Fradette, M. and Boisclair, D.LANDSCAPE CHARACTERISTICS TO DEVELOP HABITAT QUALITY MODELS FOR JUVENILE OF ATLANTIC SALMON IN RIVERS.

French T, Campbell, L, Jackson D, Scheider, W and A Hayton TEMPORAL TRENDS IN MERCURY AND ORGANIC CONTAMINANTS IN COHO AND CHINOOK SALMON FROM LAKE ONTARIO

Frost, P.C., Larson, J.L., Cherrier, C.T., Zheng, Z., Johnston, C.A., Bridgham, S.D., Lamberti, G.A., and Lodge, D.M. STOICHIOMETRY OF SUSPENDED ORGANIC PARTICLES IN NORTHERN MICHIGAN STREAMS: EFFECTS OF WATERSHED LANDCOVER AND GEOMORPHOLOGY

Futter, M.N., P.J. Dillon and L.D. Scott LONG-TERM HYDROLOGY OF CENTRAL ONTARIO STREAMS

Futter, M.N., P.J. Dillon, A.J. Paterson, B.J. Clark, R.B. Mills, W.A. Scheider and C. Whitfield 30 YEARS OF TROPHIC STATUS MONITORING AND MODELING AT THE DORSET ENVIRONMENTAL SCIENCE CENTRE

Gardner, W.M, K.E. Smokorowski, R.Randall, C.K. Minns, D.M. Whittle, V Cairns, and M.G. Johnson REMEMBERING JOHN KELSO

Gariépy, S., R. Cloutier, Dumont P., D. Hatin, R. Dumas and Y. Bilodeau MOVEMENTS AND HABITAT USE OF ADULT COPPER REDHORSES (*MOXOSTOMA HUBBSI*), A RARE AND ENDANGERED FISH SPECIES OF THE ST. LAWRENCE RIVER SYSTEM

Gibeau, P. and D. Boisclair HABITAT PATCHINESS AND FISH DISTRIBUTION: INFLUENCES OF SPATIAL SCALES ON PREDICTIVE MODELS

Girard, P. and B. Angers. LITTLE FISH, WIDE DISTRIBUTION: PHYLOGEOGRAPHIC STRUCTURE OF LONGNOSE DACE IN QUEBEC

Griffiths R.W.¹ & F. W. H. Beamish. SPECIES RICHNESS OF FISH ASSEMBLAGES IN THAILAND STREAMS

Guénard, G. and D. Boisclair EXPERIMENTAL COMPARISON OF ACTIVITY MEASUREMENT MADE USING SPONTANEOUS SWIMMING MODELS AND CAESIUM BIOACCUMULATION IN FISH

Gunn, J.M. HABITAT VS EXPLOITATION EXPERIMENT REVISITED

Guy, M. and P.A. Chambers RIVER WATER QUALITY AND AQUATIC PLANT BIOMASS IN SOUTHERN ONTARIO.

Haddadi Moghaddam, K. AQUATIC INVERTEBRATES AND THEIR SIGNIFICANCE IN STURGEONS BIODIVERSITY IN CONTINENTAL SHELF OF CASPIAN SEA

Harding, K, J Gowland, and PJ Dillon. BIOACCUMULATION OF HG IN SIMULIUM SPP (DIPTERA, SIMULIIDAE) FROM 17 STREAMS IN ONTARIO, CANADA.

Harford, W. and R. McLaughlin. A MULTI-SCALE APPROACH TO PREDICTING THE EFFECTS OF SEA-LAMPREY BARRIERS ON NON-TARGET FISHES IN THE GREAT LAKES BASIN

Hedges, K.J. and M.V. Abrahams.HIDING FROM THE JAWS: THE USE OF HYPOXIA FOR REFUGE FROM PREDATION

Hinch, S.G. S.J. Cooke, G. Crossin, J. Young, S. Larrson, G. Wagner, M.C. Healey. A.P.
Farrell. G. Van Der Kraak. M. Shrimpton. K. English. J.S. Macdonald, D. Patterson.
M. Lapointe. AN ECOLOGICAL AND CONSERVATION CRISIS IN BRITISH
COLUMBIA PACIFIC SALMON: ABERRANT MIGRATIONS AND HIGH
NATURAL MORTALITY OF FRASER SOCKEYE

Hovius, J., Beisner, B.E., and McCann, K.S. CASCADING EFFECTS OF *BYTHOTREPHES LONGIMANUS* ON ROTIFER POPULATIONS IN CANADIAN SHIELD LAKE FOOD WEBS

Howland, K.L., R.F. Tallman and K. Mills. THE RELATIONSHIP BETWEEN GROWTH, MORPHOLOGY AND DIETS OF LAKE TROUT IN GREAT BEAR LAKE, NWT

Hudson, J., Zhang, J. NEW APPROACH FOR MULTIPLE REGRESSION ANALYSIS IN LIMNOLOGY: AKAIKE'S INFORMATION CRITERION (AIC)

Hutchings, J.A. and J.K. Baum MEASURING MARINE FISH BIODIVERSITY

Imre, I. and D. Boisclair. HABITAT AND DAYTIME ABUNDANCE OF ATLANTIC SALMON PARR IN THE SAINTE-MARGUERITE RIVER, QUÉBEC: A MULTISCALE ANALYSIS

Januszkiewicz AJ and BW. Robinson VARIATION IN PREDATOR-INDUCED PLASTIC RESPONSES AND ITS CONSEQUENCES IN POLYMORPHIC PUMPKINSEED SUNFISH (*LEPOMIS GIBBOSUS*)

Jiao, Y., McCann, K., Nudds, T., Reid, K., Crawford, S.A GRAPHICAL METHOD FOR IMPROVING COMMUNICATION OF COMPLEX ANALYTICAL TECHNIQUES AND RESULTS AMONG FISHERIES SCIENTISTS, STAKEHOLDERS AND MANAGEMENT AGENCIES

Jiao, Y., Reid, K., McCann, K., Crawford, S., Nudds, T. SEARCHING FOR CERTAINTY AMONG UNCERTAINTIES

Johannes, M., GREAT LAKES FISH AND FISHERIES AT RISK: EXPLORING ADAPTATION TO CLIMATE VARIATION AND CHANGE.

Johnston, T.A., M.D. Moles, A.I. Schulte-Hostedde, T. Herra, and W.C. Leggett THE RELATIONSHIPS BETWEEN BODY CONDITION INDICES AND THE LIPID AND MOISTURE CONTENTS OF TWO FRESHWATER FISHES

Jones, C., N. Dmytrow, B. Craig THE ONTARIO BENTHOS BIOMONITORING NETWORK

Kang, M., Ciborowski, J. J. H., Johnson, L. B., Hrabik, T., Richards, C., and J. Schuldt FACTORS GOVERNING THE DISTRIBUTION OF A NONINDIGENOUS SPECIES, *ECHINOGAMMARUS ISCHNUS* STEBBING (AMPHIPODA: GAMMARIDAE), AT GREAT LAKES COASTAL MARGINS

Kaufman S.D, J.M. Gunn, G.E. Morgan COMMUNITY BASED DIFFERENCES IN FISH ACTIVITY USING MUSCLE ENZYMES

Keeler, R. and R. Cunjak DOES SIZE MATTER? REPRODUCTIVE ECOLOGY OF THE SLIMY SCULPIN, *COTTUS COGNATUS*

Kelly, E., D.W. Schindler, and V.L. St. Louis. FOREST FIRE RESULTS IN INCREASED MERCURY ACCUMULATION IN FISH

Klassen, C.N. and S.J. Peake.AN ASSESMENT OF CURRENT REARING METHODS IN HATCHERY PRODUCTION OF LAKE STURGEON (ACIPENSER FULVESCENS): DO BLACK FLY LARVAE (DIPTERA: SIMULIIDAE) REPRESENT A MORE EFFICIENT FEEDING REGIME?

Koops, M.A., N.E. Mandrak and C. K. Minns POTENTIAL IMPACT OF CLIMATE CHANGE FACILITATED INVASION BY NORTH AMERICAN FISHES ON THE GREAT LAKES FISH COMMUNITY

Leavitt, P.R. SCIENCE, POLITICS, DOUBT AND HOPE: THE FUTURE OF LIMNOLOGY IN CANADA

Leclerc, E., Mailhot, Y. and L. Bernatchez. POPULATION STRUCTURE AND INFLUENCE OF EVOLUTIONARY FORCES ON THE YELLOW PERCH POPULATIONS (PERCA FLAVESCENS) IN THE ST. LAWRENCE RIVER

Leclerc, V, P. Sirois and P. Bérubé IMPACT OF FOREST HARVESTING ON YOUNG-OF-THE-YEAR YELLOW PERCH (*Perca flavescens*) DAILY GROWTH IN QUEBEC BOREAL SHIELD LAKES.

Leduc, A, E. Roh, M.C. Harvey and G.E. Brown. IMPAIRMENT OF DAMAGE-RELEASED CHEMICAL ALARM CUES OF JUVENILE ATLANTIC SALMON (*SALMO SALAR*) IN WEAKLY ACIDIC STREAMS: ARE THERE POPULATION OR ONTOGENETIC DIFFERENCES IN RESPONSE?

Lee V. A. and T. B. Johnson MOBILIZATION OF ENERGY AND CONTAMINANTS BY THE ROUND GOBY

Lento, J., Dillon, P.J., and Somers, K.M. VARIATION IN PRECAMBRIAN SHIELD LAKE CHEMISTRY AND BENTHIC MACROINVERTEBRATE COMMUNITIES: A SUMMARY OF 15 YEARS OF BIOMONITORING AT DESC Lippé, C., P. Dumont, F. Bouchard, J. Leclerc and L. Bernatchez. CONSERVATION GENETICS OF THE ENDANGERED COPPER REDHORSE (*MOXOSTOMA HUBBSI*)

Lumb, C., T. B. Johnson, A. Cook, J. A. Hoyle COMPARISON OF GROWTH OF LAKE WHITEFISH (*COREGONUS CLUPEAFORMIS*) IN LAKES ERIE AND ONTARIO

MacDonald, F. SPREADING THE WORD, NOT THE SPECIES: PREVENTING THE INTRODUCTION OF INVASIVE SPECIES IN ONTARIO THROUGH PUBLIC OUTREACH

MacIsaac, H.J. NATIONAL AQUATIC INVASIVE SPECIES NETWORK

Mackereth, R., K. Armstrong and D. McCormick. SWIMMING IN UNCHARTED WATERS: THE ECOLOGY AND MANAGEMENT OF SMALL BROOK TROUT STREAMS IN ONTARIO'S BOREAL FOREST

Malkin, S.M., Guildford, S.J., and Hecky, R.E. A NEW METHOD TO MEASURE BENTHIC PRIMARY PRODUCTION

Mandrak N.E. and B. Cudmore-Vokey RISK ASSESSMENT OF ASIAN CARPS IN CANADA

Mandrak N.E. and S.K. Staton. IDENTIFYING PRIORITY AREAS FOR PROTECTING FRESHWATER SPECIES AT RISK IN CANADA

Mandrak, N.E., J. Barnucz*, M. Poos, and H. Surette. HOW MUCH SAMPLING EFFORT IS REQUIRED TO DETECT FRESHWATER FISH SPECIES AT RISK?

Marszalek, M.A., Maly, E.J., and Dayanandan, S. PHYLOGEOGRAPHY OF A HIGH ALTITUDE COPEPOD: *HESPERODIAPTOMUS SHOSHONE*

May, C.M., G.K. Davoren VERTICAL DISTRIBUTION PATTERNS OF CAPELIN (*MALLOTUS VILLOSUS*) IN THE NORTHWEST ATLANTIC

McCabe, S.K., and Cyr, H. THE IMPORTANCE OF ENVIRONMENTAL FLUCTUATIONS FROM INTERNAL WAVES TO BENTHIC ALGAL COMMUNITY STRUCTURE

McCallister, S. L., Guillemette, F. and del Giorgio, P.A. A NOVEL METHOD TO MEASURE THE STABLE ISOTOPIC SIGNATURE OF RESPIRED BACTERIAL CO2.

McDermid, J., W. Sloan, and B.J. Shuter LAKE TROUT LIFE HISTORY VARIATION: GENETIC OR PHENOTYPIC?

McLaughlin, R. L., B. Fraser, W. Harford, and L. A. Velez-Espino EFFECTS OF LOW-HEAD BARRIERS ON STREAM FISHES: CHANGES IN SPECIES COMPOSITION DO NOT ALTER TROPHIC SERVICES

Mierle, G. MERCURY IN THE ENVIRONMENT: EVOLUTION OF AN ISSUE

Moles, M.D., T.A. Johnston, B.W. Robinson, T. Herra, and W.C. Leggett DOES LIPID AVAILABILITY LIMIT REPRODUCTIVE EFFORT IN WALLEYE, *SANDER VITREUS* ?

Molot, L.A., Kelton, N. and Arts, M.T. FEEDING DETRITAL MATTER TO DAPHNIA PULEX: ENHANCED SURVIVAL WITH ALLOCTHONOUS ORGANIC CARBON

Moos, M.T., Laird, K.R., and Cumming, B.F. DIATOM ASSEMBLAGES AND WATER DEPTH IN LAKE 239 (EXPERIMENTAL LAKES AREA, ONTARIO): IMPLICATIONS FOR PALEOCLIMATIC STUDIES

Morgan, G.E., E. Snucins and J.M. Gunn NORDIC BIODIVERSITY ASSESSMENT METHOD: APPLICATIONS FOR CLIMATE CHANGE AND INVASIVE SPECIES RESEARCH

Morinville, G.R and J.B. Rasmussen. MARINE FEEDING (DIET) OF ANADROMOUS BROOK TROUT (*SALVELINUS FONTINALIS*) INHABITING THE ESTUARINE SAGUENAY RIVER, QUÉBEC

Morris, T.THE ENDANGERED MUSSELS OF ONTARIO'S THAMES RIVER WATERSHED – CAN THEY SURVIVE?

Morrison B.J. & W. Paul Sullivan QUANTIFYING THE UNQUALIFIED: HABITAT

Neuheimer, A.B., Gentleman, W., Taggart, C.T. ESTIMATING DAILY RATION IN FISH: WHAT REALLY MATTERS?

Noel, M. V., Grant, J.W.A., and Carrigan, J. G.EFFECTS OF THE SPATIAL CLUMPING OF FOOD ON AGGRESSION GRWOTH RATE AND GROWTH DEPENSATION WITH GROUPS OF CONCICT CICHLIDS

Nordin, L., Taylor, W.D., Arts, M.T. and Johannsson, O.E. DIRECT AND INDIRECT IMPACTS OF THE *BYTHOTREPHES* INVASION ON *MYSIS RELICTA* IN ONTARIO SHIELD LAKES

Paterson, A.M., Clark, B.J., Futter, M.N., Dillon, P.J., Molot, L.A., and Somers, K.M. LONG-TERM PHOSPHORUS DECLINES IN CENTRAL ONTARIO LAKES

Patoine, A. and Leavitt, P.R. SPATIAL AND TEMPORAL VARIABILITY OF PLANKTONIC FOOD CHAIN LENGTH: INFLUENCE OF LAKE SIZE, PRODUCTIVITY, DIETARY SHIFTS AND WEATHER CONDITIONS

Penton, P., G.K. Davoren, D. Andrews, W.A. Montevecchi A COMPARISON OF BEACH AND DEMERSAL SPAWNING IN CAPELIN (*MALLOTUS VILLOSUS*) ON THE NORTHEAST COAST OF NEWFOUNDLAND

Persaud, A. D. and Dillon, P. J. TROPHIC DYNAMICS IN THE ZOOPLANKTON COMMUNITY ALONG A DOC GRADIENT.

Peters, A.K., Michael L. Jones, Jim Bence, Dale Honeyfield ENERGY DYNAMICS OF LAKE MICHIGAN CHINOOK SALMON

Pink. M., Pratt, T.C. and M.G. Fox. CHANGES IN CYPRINID HABITAT USE IN RESPONSE TO THE INTRODUCTION OF BROOK TROUT (*SALVELINUS FONTINALIS*) IN TWO OLIGIOTROPHIC LAKES IN NORTHERN ONTARIO.

Popowich, R.C., E.B. Taylor, J.D. Stelfox, and J.P. Volpe HYBRIDIZATION BETWEEN INVASIVE BROOK TROUT AND NATIVE BULL TROUT; GENETIC CONFIRMATION AND VALIDATION OF MORPHOLOGICAL AND MERISTIC IDENTIFICATION TECHNIQUES

Powles, H. SCIENCE REQUIRED TO SUPPORT IMPLEMENTATION OF CANADA'S NEW SPECIES AT RISK ACT

Prairie Y.T. CARBOCENTRIC LIMNOLOGY: BACKWARD AND FORWARD LOOKS

Prairie, Y.T. and M.L. Pace. A GLOBAL ESTIMATE OF LAKE RESPIRATION

Puchniak, M.K., Hall, R.I., Hecky, R.E. PALEOLIMNOLOGICAL EVIDENCE OF RECENT CULTURAL EUTROPHICATION AND CLIMATE CHANGE VARIABILITY DURING THE LAST 300 YEARS IN LAKE MALAWI, EAST AFRICA

Quinlan, R., Smol, J.P., Cumming, B.F., Hall, R.I., and Paterson, A.P. PALEOECOLOGICAL RESEARCH AT DESC – A SUMMARY

Reid, R.A., Bowman, M.F., and Somers, K.M. EVALUATING LONG-TERM TRENDS IN CRAYFISH POPULATIONS FROM ACID SENSITIVE, SOFTWATER LAKES IN SOUTH CENTRAL ONTARIO (1988-2004)

Reid, S.M., C.C. Wilson and L.M.Carl. EFFECTS OF HABITAT FRAGMENTATION ON TRENT RIVER REDHORSE SUCKER POPULATIONS

Reid, S. DISTRIBUTION AND ECOLOGY OF THE CHANNEL DARTER IN THE BAY OF QUINTE DRAINAGE (LAKE ONTARIO)

Rennie, M.D., McNickle, G.G., Sprules, W.G. and Johnson, T. PREY ELECTIVITY OF LAKE WHITEFISH IN THE CANADIAN WATERS OF LAKE HURON

Robillard, M. and M.G. Fox. CHANGES IN THE FISH COMMUNITIES OF THE KAWARTHA LAKES IN RESPONSE TO ANTHROPOGENIC STRESSORS

Robinson, C., D. Brown and M. Rawson LONG-TERM GROWTH OF WALLEYE IN THE KAWARTHA LAKES – EXAMINING THE EFFECTS OF TEMPERATURE

Roehm, C.L., Prairie, Y., and Del Giorgio, P. WITHIN AND ACROSS LAKE *P*CO₂ HETEROGENEITY.

Rosenfeld, J. S. and E. Raeburn COMPARISION OF GROWTH RATES OF LIMNETIC AND DRIFT-FEEDING JUVENILE COHO SALMON IN OFF-CHANNEL HABITATS

Rose-Taylor, C., Anderson, J.T. and Bell, T. ACOUSTIC SEABED CLASSIFICATION OF CAPELIN SPAWNING HABITATS IN NEWFOUNDLAND

Ross, P.S. FIREPROOF KILLER WHALES: ICONS OF THE NORTHEASTERN PACIFIC OCEAN ARE AT RISK FROM CHEMICAL EXPOSURE. (Stevenson Lecture)

Rowe*, S and JA Hutchings. PHENOTYPIC AND BEHAVIOURAL CORRELATES OF INDIVIDUAL VARIATION IN ATLANTIC COD REPRODUCTIVE SUCCESS

Rusak, James A., Norman D. Yan, Keith M. Somers, and Elizabeth A. Levitt COHERENCE REVISITED: REGIONAL CLIMATIC DRIVERS OF (STILL) SYNCHRONOUS ZOOPLANKTON DYNAMICS IN DORSET LAKES

Scheider, W.A., and Somers, K.M. THIRTY YEARS OF AQUATIC SCIENCE AT THE DORSET ENVIRONMENTAL SCIENCE CENTRE: AN INTRODUCTION

Selbie, D.T., Finney, B.P., and Smol, J.P ~6,000YR OF PACIFIC SALMON PRODUCTION IN BRITISH COLUMBIA – A PALEOLIMNOLOGICAL RECONSTRUCTION OF SOCKEYE SALMON (*ONCORHYNCHUS NERKA*) POPULATION DYNAMICS IN TAHLTAN LAKE, BC

Sharma, S., Jackson, D.A. and E.T. Howell. MODELLING WALLEYE HABITAT USING ENVIRONMENTAL CONDITIONS IN LAKE ERIE.

Shaw, J.L., R.A. Curry and S.L. Currie EARLY LIFE-HISTORY CHARACTERISTICS AND GROWTH OF THE SYMPATRIC RAINBOW SMELT IN LAKE UTOPIA, NEW BRUNSWICK

Sinnatamby, R.N., Karst-Riddoch, T.L., Vardy, S.R., Hall, R.I., Wolfe, B.B., Edwards, T.W.D A 700-YEAR RECORD OF HYDROLOGICAL AND ECOLOGICAL CHANGES OF A SHALLOW DELTA POND NEAR THE SHORE OF LAKE ATHABASCA, NORTHERN ALBERTA

Sirois^{*1}, P. and M. Legault EXPLORING THE ROLE OF DENSITY-DEPENDENT AND DENSITY–INDEPENDENT FACTORS IN THE RECRUITMENT FLUCTUATION OF RAINBOW SMELT IN LAKE SAINT-JEAN

Sokal, M.A., Hall, R.I., and Wolfe, B.B. DEVELOPING THE USE OF DIATOM ALGAE FOR HYDRO-ECOLOGICAL STUDIES AT THE SLAVE RIVER DELTA, N.W.T.

Somers, K.M., Bowman, M.F., and Reid, R.A.EVALUATING SHORT TIMES SERIES WITH A MODIFIED MANN-KENDALL TREND TEST

Spares, A., Dadswell, M., and J. Reader.INTO THE BLUE; USING CS-137 TO TRACK THE OCEAN MIGRATION OF ATLANTIC SALMON

Speers, J. and D. Gillis. ABUNDANCE, DISTRIBUTION, AND CATCH RATES OF TWO COMMERCIALLY VALUABLE FISH SPECIES AS AFFECTED BY THE LIMNOLOGY AND METEOROLOGY OF LAKE WINNIPEG, CANADA

Stephenson, R.L, M. Power, I.M. Suthers and T.D. Iles GEOGRAPHIC PERSISTENCE OF LARVAL HERRING: THE EVIDENCE FOR LARVAL RETENTION

St-Jacques, J.-M., Cumming, B.F., and Smol, J.P.. DROUGHT VARIABILITY IN THE NORTH AMERICAN GREAT PLAINS DURING THE LAST 700 YEARS

St-Pierre, A., Planas, D. OCEANIC PHYTOPLANKTON DYNAMIC OF THE GALAPAGOS ARCHIPELAGO AND VALIDATION OF SATELLITE INFORMATION.

Strecker, A.L. and Arnott, S.E. *BYTHOTREPHES*-INDUCED CHANGES IN ZOOPLANKTON COMMUNITY STRUCTURE AND GRAZING IN BOREAL LAKES

Storm-Suke*, A., Dempson, J.B., and Power, M. DETERMINING YOUNG-OF-THE-YEAR ARCTIC CHAR (SALVELINUS ALPINUS) THERMAL HABITAT USE WITH δ^{18} O OTOLITH ISOTOPES Suchy, K. and B. J. Hann, THE INVASION TRAJECTORY OF AN EXOTIC ZOOPLANKTON SPECIES, *BOSMINA (EUBOSMINA) COREGONI*,-INTO LAKE WINNIPEG

Suthers, I.M., J. Fife, M. Power and R.L. Stephenson. ANALYSIS OF 27 YEARS OF AUTUMN ZOOPLANKTON BIOMASS SIZE DISTRIBUTIONS OFF WESTERN NOVA SCOTIA

Sweetman, J.N. and Smol, J.P. PATTERNS IN THE DISTRIBUTION AND DIVERSITY OF CLADOCERA (CRUSTACEA: BRANCHIOPODA: ANOMOPODA) IN LAKES ACROSS A NORTH-SOUTH TRANSECT IN THE WESTERN SUBARCTIC OF NORTH AMERICA

Thomas, V.G. HARMONIZED CONTROL OF EXOTIC AQUATIC SPECIES IN THE GREAT LAKES: THE ROLE FOR ONTARIO

Tremblay, A., Varfalvy, L., Roehm, C. and Garneau, M. THE ISSUE OF GREENHOUSE GASES FROM HYDROELECTRIC RESERVOIRS: WHAT DO WE UNDERSTAND ?

Usseglio, P., P. M. Chittaro, B. J. Fryer, P. F. Sale DISCRIMINATING RESIDENCY OF *HAEMULON FLAVOLINEATUM* (FRENCH GRUNT) USING OTOLITH MICROCHEMISTRY: DIFFICULTIES AT SMALL SPATIAL SCALES.

Van Poorten, B.T. and J.R. Post HOW DOES ENTRAINMENT INTO AN IRRIGATION CANAL AFFECT POPULATION ABUNDANCE?

Van Walleghem, J. and Blanchfield, P.MERCURY DEPURATION FROM PREDATOR AND PREY FISH TISSUES

Vascotto, K., and B.J. Shuter UNDERSTANDING THE ROLE OF COMMUNITY IN DETERMINING LIFE HISTORY VARIATION IN *COREGONUS ARTEDII*(THE LAKE CISCO)

Vecsei, P, and D Peterson, LAKE STURGEON OF THE GREAT LAKES: A HISTORY OF EXPLOITATION, DECLINE, AND RECOVERY

Velez-Espino, L.A., and R.L. McLaughlin INTERPRETATION OF ELASTICITY PATTERNS OF GREAT LAKES FISHES AS A MANAGEMENT TOOL: INSIGHTS INTO THE EFFECT OF SEASONALLY OPERATED SEA LAMPREY (*PETROMYZON MARINUS*) BARRIERS ON POPULATION DYNAMICS OF NON-TARGET SPECIES

Venter, O., Noel, M. V., Kim, J.W., and Grant, J.W.A ATLANTIC SALMON DENSITY INCREASES WITH HABITAT COMPLEXITY; THE JOINT EFFECTS OF A REDUCTION IN TERRITORY SIZE AND PERCEIVED PREDATION RISK? Villeneuve, F..Fox, M.G., Copp, G.H., Stakėnas, S.GROWTH AND LIFE-HISTORY TRAITS OF INTRODUCED PUMPKINSEED (*LEPOMIS GIBBOSUS*) POPULATIONS IN SOUTHERN ENGLAND

Wagner, C. M. and G. D. Grossman. FLOW MEDIATES THE COMPETITIVE INFLUENCE OF AN INVASIVE MINNOW ON A THREATENED NATIVE STREAM FISH

Walker E. and Peake S.THE EFFECTS OF SUSPENDED INORGANIC SSENDIMENT ON FEEDING AND STRESS IN JOHNNY DARTER (<u>ETHEOSTOMA NIGRUM</u>)

Walker, S.C. and Cyr, H. NEUTRAL BIODIVERSITY THEORY HIGHLIGHTS CONSISTENT DIFFERENCES IN COMMUNITY STRUCTURE BETWEEN PHYTOPLANKTON, ZOOPLANKTON AND FISH COMMUNITIES IN LAKES WORLDWIDE

Wall, S.S. and C.R. Berry Jr FISHERIES RESEARCH TO CONSERVE NATIVE SPECIES AND SPECIES AT RISK IN THE UPPER MISSOURI RIVER BASIN

Watmough, S.A., Aherne, J. and Dillon, P.J. PREDICTING THE FUTURE CALCIUM STATUS OF ACID-SENSITIVE PRECAMBRIAN SHIELD LAKES IN ONTARIO

Wiklund, J. A. and Hall, R. I. THE ROLE OF RIVER FLOODING ON LIMNOLOGICAL CONDITIONS IN WATERBODIES OF THE PEACE-ATHABASCA DELTA.

Wilson, A.D.M. and R.L. McLaughlin PERCEPTUAL WORLDS OF INDIVIDUAL YOUNG OF THE YEAR BROOK CHARR: BEHAVIOURAL RESPONSES TO NOVEL SITUATIONS

Winter, J.G., Paterson, A.M., Heintsch, L.S., Nakamoto, L.K, Somers, K.M. and Yan, N.D. CHANGES IN PHYTOPLANKTON COMMUNITY COMPOSITION IN DORSET AREA LAKES OVER TWO DECADES

Xenopoulos MA, DM Lodge, J Alcamo, M Märker, K Schulze and D Van vuuren SCENARIOS OF GLOBAL LOSS OF FRESHWATER BIODIVERSITY FROM CLIMATE CHANGE AND WATER WITHDRAWAL

Yan, N.D., Girard, R., Ingram, R., and Somers, K. DECADE-SCALE CHANGES IN THE COMPOSITION OF CRUSTACEAN ZOOPLANKTON COMMUNITIES IN ALL EIGHT OF THE DORSET ENVIRONMENTAL CENTRE (DESC) CORE STUDY LAKES Yates, A.G. R.C. Bailey, and J. Schwindt. EFFECTS OF INCREASING USE OF NO-TILL CROPPING SYSTEMS ON STREAM QUALITY IN SOUTHERN ONTARIO, CANADA

Young, J.D., Yan, N.D., and Parrot, E.A.SEASONAL VARIATION OF *BYTHOTREPHES* BODY LENGTH IN SHIELD LAKES: POSSIBLE PLANKTIVORE INDUCED LIFE HISTORY SHIFTS

Zhu X, TB. Johnson and A Cook SPATIAL AND TEMPORAL VARIABILITIES OF FISH COMMUNITY IN LAKE ERIE SYSTEMS

Zimmer, M.P. and M. Power. SEASONAL MOVEMENT PATTERNS OF RESIDENT BROWN TROUT IN A LAKE ONTARIO TRIBUTARY