

**Abbreviated Curriculum Vita  
of  
Dr. JOE WROBLEWSKI**

Date of Revision: 29 March 2018

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Citizenship: Dual Citizenship U.S. and Canada

Present Title &  
Address: Professor  
Department of Ocean Sciences  
Memorial University of Newfoundland  
St. John's, Newfoundland  
Canada A1C 5S7

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Degrees: B.Sc. (Biology) Univ. of Illinois, Chicago, 1970  
M.Sc. (Biological Oceanography) Florida State University, 1972  
Ph.D. (Biological Oceanography) Florida State University, 1976

**Recent Honors and Awards:**

Contributor Award, Memorial University Tour Program, 1993/94.

American Fisheries Society Travel Grant Recipient, to attend the 125th Annual Meeting of the AFS and present invited paper, Tampa, 1995.

Colloquium on the Occasion of the 50th Anniversary of the U.N.,  
The U.N., Law of the Sea and the Marine Environment and The U.N.  
Convention on Straddling Stocks and Highly Migratory Species,  
Invited Panelist and Speaker, St. John's, 1995.

International Coalition of Fisheries Associations, Annual Meeting.  
Invited, after-dinner Speaker, St. John's, 1997.

Sea Grant College Program Travel Grant Recipient, to attend the Workshop to Examine the Implications of Localized Fishery Stocks and present invited paper, Portland, ME, 1997.

Marine Remote Sensing Applications and Business Development Workshop, Invited, St. John's, 2000  
Profiled in a textbook for high school level biology, distributed throughout Atlantic Canada, published by McGraw-Hill Ryerson. "Canadians in Biology- Dr. Joe Wroblewski, Fisheries Oceanographer". Textbook citation: McGraw-Hill Ryerson biology. 2003. Don Galbraith et al., McGraw-Hill Ryerson Ltd., Toronto. ISBN 0-07-091676-6.

My research on the "Golden Cod of Labrador" is featured in a permanent exhibit in the Provincial Museum of Newfoundland and Labrador (The Rooms Corp.), officially opened June 2005.

My research results in legal designation of Gilbert Bay, Labrador as a Marine Protected Area on 11 October 2005 under the Oceans Act, Government of Canada

- Canada Fisheries and Oceans Travel Grant Recipient, to attend the Gilbert Bay Marine Protected Area designation celebration, Port Hope Simpson, Labrador, 2005.
- Certificate of Recognition for an outstanding contribution to the Steering Committee for the Gilbert Bay Marine Protected Area, which was designated by the Minister of Fisheries and Oceans on 11 October 2005. Presented by the Government of Canada Fisheries and Oceans.
- My research on cod homing behaviour mentioned in the article *The Lobsterman: How Ted Ames turned oral history into science*, by Alec Wilkinson, *The New Yorker*, 31 July 2006 issue.
- Craigdarroch Award for Societal Contribution presented to the Coasts Under Stress Project research team by Dr. Martin Taylor, V.P. Research, University of Victoria on 25 April 2007. The CUS project with 70 team members contributed in the areas of traditional aquaculture, food security, resource management, fisheries and community health.
- Invited contribution to the special issue on *The Sustainability of Seafood Production and Consumption*, *Journal of Cleaner Production*. February 2009.
- Invited speaker, *Forum on Challenges of Sustainable Fisheries: The Global and the Local Context*. Sponsored by Social Justice Co-op, the Global Health Office, Memorial University Faculty of Medicine and Inter Pares. October 2014.
- Invited public lecture, sponsored by Nature Newfoundland and Labrador, The Rooms, Provincial Archives, Art Gallery and Museum of NL. October 2014.

**Research Positions and Academic Appointments:**

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|-----------------------------------|--|
| 1971-1976                         | Graduate Research Assistant<br>Mesoscale Atmospheric-Oceanic Interaction Research Group<br>Depts. Meteorology and Oceanography<br>Florida State University |
| 1972-1973<br>Exploration          | Research Staff for the Coastal Upwelling Experiment<br>National Science Foundation - International Decade for Ocean<br>Oregon State University             |
| 1971, 1975-1976,<br>and 1978-1980 | Visitor to the Computing Facilities<br>National Center for Atmospheric Research<br>Boulder, CO   |
| 1976-1984                         | Assistant Professor<br>Department of Oceanography<br>Dalhousie University  |
| 1983<br>Summer                    | Guest Investigator<br>Woods Hole Oceanographic Institution<br>Woods Hole, MA   |
| 1984-1989                         | Research Scientist<br>Bigelow Laboratory for Ocean Sciences  |
| 1985-1989                         | Visitor to the Computing Facilities<br>Geophysical Fluid Dynamics Laboratory   |

Princeton, NJ

- 1986-1987            On leave from Bigelow Laboratory to assist in managing the Oceanic Biology Program (Code 1122B) Office of Naval Research, Arlington, VA
- 1989-present        Professor, Ocean Science Centre  
Cross Appointment with Dept. of Biology  
Cross Appointment with Dept. of Physics and Physical Oceanography
- 1989-1995            NSERC/Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography, Memorial University of Newfoundland
- 1990-1994            Associate Member  
Ocean Production Enhancement Network  
Centres of Excellence, Government of Canada
- 1990-2007            Adjunct Principal Investigator  
Bigelow Laboratory for Ocean Sciences
- 1992-2008            Editorial Board Member  
2009-2011            Associate Editor  
Journal of the Marine Biological Association UK
- 2008-2015            Editorial Board Member  
2015-present        Associate Editor  
Marine Biodiversity Records
- 2000-present        Faculty Member  
2008-2013            Board of Studies Member  
2015-2016            Interdisciplinary Graduate Program in Environmental Science  
Memorial University of Newfoundland
- 2008-2012            Program Chair, Interdisciplinary Graduate Program in Environmental Science  
Memorial University of Newfoundland
- 2015-2016            Interim Program Chair, Graduate Program in Environmental Science  
Memorial University of Newfoundland

**Professional and University Service Activities (since 1989 at Memorial University):**

- Canada National Review Committee, DFO/NSERC Science Subvention Program, 1990-1992  
Promotion and Tenure Committee, Ocean Sciences Centre, Memorial University of Newfoundland, 1989-1991; 1994-1995; 1998; 2001-02  
NSF Biological Oceanography Program, GLOBEC Initiative, ad hoc Review panel member, 1990  
Advisory Committee, Northern Cod Science Program, Dept. Fisheries and Oceans, Govt. of Canada, 1990-1995  
Search Committee for the Director of the Ocean Sciences Centre, Memorial University of Newfoundland, 1992

Faculty of Science, Computer Affairs Committee, Ocean Sciences Centre  
Representative, 1992-1995

Search Committee, Ocean Sciences Centre, Memorial University of Newfoundland, 1993-1994; 1998

Co-organizer, Symposium on the Biology and Ecology of Northwest Atlantic Cod. 24-28 October, 1994.  
Delta St. John's Hotel. St. John's, NF.

Working Group for Development of a Masters Degree in Fisheries Resource Management, Marine  
Institute, Memorial Univ., 1994-97

Steering Committee Member, Cod Enhancement Working Group, Canadian Centre for Fisheries  
Innovation, Memorial Univ., 1994

Advisory Committee Member, Development of a Certificate Program in Society and Ocean Studies,  
Division of Continuing Studies, Memorial Univ., 1994-95

Aquaculture Advisory Committee Member, Fish Harvester's Resource Centre, Clarenville, NF. 1995-98

Interviewed on Canadian Broadcasting Corp. TV Evening News. 1995

Selection Committee, President's Award for Outstanding Research, Memorial University, 1997-98

Programme Committee and Admissions Committee Member, Master of Marine Studies in Fisheries  
Resource Management, School of Graduate Studies, Memorial Univ., 1997-2008

Internal Examiner, Master of Marine Studies, Mr. Ralph Pynn, Marine Institute, Memorial Univ. 1998.

Internal Examiner, Ph.D. dissertation, Mr. Tammo Bult, Dept. Biology, Memorial Univ. 1999.

Steering Committee Member, "Coasts Under Stress", Major Collaborative Research Initiative, funded  
by SSHRC and NSERC, 2000-01, 2003-05

Steering Committee Member, Gilbert Bay as an Area of Interest under the Marine Protected Areas  
Program, Government of Canada, 2001-05

Selection Committee, National Scholarship on Ocean Studies, 2001

Reappointment Review Committee, Director of Ocean Sciences Centre, Memorial Univ. 2001

Supervisor of Yan Jiao, Graduate Programme in Teaching, Memorial University, 2002

Examination Chair, B.Sc. Honours Defence, Heather Squires, Dept. Biology, Memorial Univ. 2002

Internal Examiner, M.Sc. thesis, Mr. Harshana Rajakaruna, Dept. Biology, Memorial Univ. 2002.

Examination Chair, B.Sc. Honours Defence, Tarah Cunningham, Dept. Biology, Memorial Univ., 2002

Subpoenaed as an expert on fish biology to witness in the Provincial Court of Newfoundland (Small  
Claims Division), 2002

Workshop Facilitator, Graduate Research Integrity Program, Master of Marine Studies, Marine Institute,  
Memorial Univ., 2002-06

Labrador Research Advisory Committee, Memorial Univ. 2002

Internal Examiner, Ph.D. dissertation, Mr. Boaz Kaunda Arara, Dept. Biology, Memorial Univ. 2003

Examination Chair, Ph.D. Defence, Jeff Biernaskie, Faculty of Medicine, Memorial Univ. 2003

Representative of the Dean of Graduate Studies on the Comprehensive Examination Committee of Ms.  
Jennifer Bonnell, Dept. Geography, Memorial Univ. 2003

Examination Chair, B.Sc. Honours Defence, Jessica Anderson, Dept. Biology, Memorial Univ. 2004

Interviewed on Canadian Broadcasting Corp. TV News, "Canada Now" and "The National". 2004

Search Committee Member, University Faculty Award, Ocean Sciences Centre, Memorial Univ. 2004

Comprehensive Examination Committee for Tara Businski, Dept. Biology, Memorial Univ. 2005

Chair of the Search Committee for the Chair of the Interdisciplinary Program in Environmental  
Sciences, Memorial University, 2004-05

Selection Recommendation Committee for the Capt. Robert Bartlett Professorship in Oceanography,  
Memorial University, 2005

Examination Chair, Ph.D. Defence, Patricia Mulrooney-Cousins, Faculty of Medicine, Memorial Univ.  
2005. Awarded the Governor General's Medal (Graduate) at the May 2005 Convocation.

Examination Chair, B.Sc. Honours Defence, David Andrews, Dept. Biology, Memorial Univ. 2005  
Internal Examiner, Ph.D. Dissertation. Cristina Tollefsen, Dept. Physics and Physical Oceanography. Memorial Univ. 2005  
Interviewed by the Press Herald, article appearing in the Maine Sunday Telegram in Portland Maine, 25 September 2005  
Interviewed by Science magazine for the article “Uncovering the hidden paths of Maine’s threatened cod,” Science 310: 1110-1111.  
Promotion and Tenure Committee, Ocean Sciences Centre, (appointed by the Dean of Science), November 2005-06  
Delegate of the Dean of Graduate Studies on the Comprehensive Examination Committee of Mr. Jamal Siavoski, PhD candidate, Dept. Earth Sciences, Memorial University, 2005  
Delegate of the Dean of Graduate Studies on the Comprehensive Examination Committee of Mr. Anas El-Aneed, PhD candidate, Dept. Biochemistry, Memorial University, 2006  
Examination Chair, PhD Defense of Mr. James Drover, Dept. Psychology, Memorial University, 2006  
Examination Chair, B.Sc. Honours Defence, Stephen Cole, Dept. Biology, Memorial Univ. 2006  
Chair of the Search Committee, Tenure-track faculty position in Marine Aquaculture, Ocean Sciences Centre, Memorial Univ. 2006-07  
Comprehensive Examination Committee for Amin Abdallah, Dept. Biology, Memorial Univ. 2006  
Delegate of the Dean of Graduate Studies on the Comprehensive Examination Committee of Mr. Donald Macdonald, PhD candidate, Faculty of Medicine, Memorial University, 2006  
Program Committee Member, “Community-University Research for Recovery Alliance (CURRA)”, funded by SSHRC, 2007-2012  
Teaching Supervisor, Graduate Program in Teaching, School of Graduate Studies, Memorial University, 2007, 2010  
Promotion and Tenure Committee, Ocean Sciences Centre, (elected Chair by the Committee), September 2007-08  
Delegate of the Dean of Graduate Studies on the Comprehensive Examination Committee of Mr. Wasimul Bari, PhD candidate, Dept. of Mathematics and Statistics, Memorial University, 2007  
Examination Chair, B.Sc. Honours Defence, Gina Doyle, Dept. Biology, Memorial Univ. 2007  
Examination Chair, B.Sc. Honours Defence, Scott Caines, Dept. Biology, Memorial Univ. 2008  
Search Committee Member, Tenure-track faculty position in Marine Aquaculture, Ocean Sciences Centre, Memorial Univ. 2008-09  
Examination Chair, PhD Defense of Mr. Geert Van Biesen, Dept. Chemistry, Memorial University, 2008  
Delegate of the Dean of Graduate Studies on the Comprehensive Examination Committee of Mr. Rocky Taylor, PhD candidate, Faculty of Engineering and Applied Science, Memorial University, 2008  
Examination Chair, PhD Defense of Mr. Fida Moh’d, Dept. Mathematics and Statistics, Memorial University, 2008  
Chair, Board of Study, Environmental Science Program, School of Graduate Studies, Memorial University, 2008-2012; 2015-2016  
Representative of Memorial University, St. John’s Campus, Atlantic Provinces Council on the Sciences (APICS) Committee on Environmental Studies, 2008-2012; 2015-2016  
Examination Chair, B.Sc. Honours Defence, Julia Pantin, Dept. Biology, Memorial Univ. 2009  
Workshop Facilitator, Graduate Research Integrity Program, Interdisciplinary Graduate Program in Environmental Science, Memorial Univ., 2009

Reappointment Review Committee, Head of Physics and Physical Oceanography Department, Memorial Univ. 2009

Chair, Promotion and Tenure Committee, Ocean Sciences Centre, September 2009-August 2010

Examination Chair, B.Sc. Honours Defence, Kayla Dunphy, Dept. Biology, Memorial Univ. 2009

Aide to Dr. David Suzuki conferred with an Honorary Doctor of Science degree at the Memorial University Spring Convocation. 2009

Delegate of the Dean of Graduate Studies on the Comprehensive Examination Committee of Mr. Craig Knickle, PhD candidate, Biology Department, Memorial University, 2010

Conference Organizer, APICS Environmental Studies Annual Conference, held at Memorial University, St. John's, 5-6 March 2010

Examination Chair, Comprehensive Examination, Jennifer Bonnell, PhD candidate, Environmental Science Program, Memorial Univ. 2010

Internal Examiner, B.Sc. Honours Thesis, Mr. Andrew Murphy, Dept. Biology, Memorial Univ. 2010

Site Visit Team Member (appointed by the VP Academic and Research, St. Mary's University), Academic Program Review of the M.Sc. in Applied Science, St. Mary's University. 2010

Internal Examiner, M.Sc. Thesis, Ms. Kara Rogers, Dept. Biology, Memorial Univ. 2010

Examination Chair, PhD Defense of Ying Zhong, Dept. Biochemistry, Memorial University, 2010

Internal Examiner, M.Sc. Thesis, Ms. Emily Zimmermann, Graduate Program in Cognitive and Behavioural Ecology, Memorial Univ. 2012

Interviewed on Canadian Broadcasting Corp. Fisheries Broadcast. 2013

Delegate of the Dean of Graduate Studies on the Comprehensive Examination Committee of Ms. Maryam Vatani, PhD candidate, Faculty of Medicine, Memorial University, 2013

Appointed Member, Promotion and Tenure Committee, Department of Ocean Sciences, September 2012-August 2014

Interviewed on Canadian Broadcasting Corp. Radio Morning Show, Corner Brook, NL. 2013

Interviewed on Canadian Broadcasting Corp. Radio Weekend Arts Magazine, St. John's, NL. 2013

Scientific Committee Member, International Conference on Marine and Freshwater Environments, St. John's, 2014

Elected Member, Promotion and Tenure Committee, Department of Ocean Sciences, September 2015-August 2016

Member, Faculty of Science Faculty Council, Graduate Studies Committee, 2015-2016

Internal Examiner, Ph.D. dissertation, Mr. Darrell Mallowney, Dept. Biology, Memorial Univ. 2016.

Search Committee Member, CRC Tier 2 position in Ocean Biogeochemistry, Dept. Ocean Sciences, Memorial Univ. 2016

Reviewer, Project Report, Mr. Abiodun Adekunle, Graduate Program in Environmental Science, Memorial Univ. 2016.

Reviewer, Project Report, Mr. Hari Barakoti, Graduate Program in Environmental Science, Memorial Univ. 2016.

Reviewer, Project Report, Mr. Gabriel Vitola Diaz, Graduate Program in Environmental Science, Memorial Univ. 2016.

Internal Examiner, M.Sc. thesis, Ms. Hilary Rockwood, Dept. Biology, Memorial Univ. 2016.

Comprehensive Examination Committee for Kristin Boe, Dept. Ocean Science, Memorial Univ. 2016

Member, Faculty of Science Faculty Council, Library Committee, 2016 -

Comprehensive Examination Committee for Ryan Love, Dept. Physics and Physical Oceanography, Memorial Univ. 2016

Elected Member, Promotion and Tenure Committee, Department of Ocean Sciences, September 2017-August 2018

**Community Service Activities (since 1989 at Memorial University):**

Invited speaker, Brinton Memorial Primary School, St. John's, 1996

Judge, Women in Science and Engineering prize, Eastern Avalon School District Regional Science Fair, St. John's, 1997

Beaver Leader, Scouts Canada, 6th St. John's Group, 1997

Judge, Eastern Newfoundland Regional Science Fair, St. John's, 2000, 2003, 2006, 2010, 2011

Volunteer, 8th Eastern Newfoundland Cuboree, Cub Scouts Canada, 2001

Invited speaker, Grades K-6 School, Williams Harbour, Labrador, 2001

Invited speaker, Grades 11-12, D.C. Young School, Port Hope Simpson, Labrador, 2001

Judge, Canada Wide Science Fair, St. John's, 2004

Judge, Atlantic Region, Toyota Earth Day Scholarship, 2011

Volunteer, Battle of Beaumont-Hamel Centennial Commemoration, The Rooms Corp, Provincial Archives Division, 2016

**Professional Consulting:**

Labrador-Island Transmission Link Intervener Research, Fisheries Component. Labrador Straits Development Corporation, Forteau, Labrador. 2011-2012

Labrador-Island Transmission Link Comprehensive Study Review, Labrador Fishermen's Union Shrimp Company Ltd., L'anse au Loup, NL 2013

**Peer-Reviewed Journal Publications (since 1989 at Memorial University):**

- 1991 Nuttle, W.K., J.S. Wroblewski, and J.L. Sarmiento. Advances in modeling ocean primary production and its role in the global carbon cycle. *Advances in Space Research* 11: (3)67- (3)76.
- 1994 Wroblewski, J.S., W.L. Bailey and K.A. Howse. Observations of adult Atlantic cod (*Gadus morhua*) overwintering in nearshore waters of Trinity Bay, Newfoundland. *Canadian Journal of Fisheries and Aquatic Science* 51: 142-150.
- 1994 Glover, D.M., J.S. Wroblewski and C.R. McClain. Dynamics of the transition zone in CZCS-sensed ocean color in the North Pacific during oceanographic spring. *Journal of Geophysical Research* 99: 7501-7511.
- 1994 Goddard, S.V., J.S. Wroblewski, C.T. Taggart, K.A. Howse, W.L. Bailey, M.H. Kao and G.L. Fletcher. Overwintering of adult northern Atlantic cod (*Gadus morhua*) in cold inshore waters as evidenced by plasma antifreeze glycoprotein levels. *Canadian Journal of Fisheries and Aquatic Science* 51: 2834-2842.
- 1995 Carr, S.M., A.J. Snellen, K.A. Howse and J.S. Wroblewski. Mitochondrial DNA sequence variation and genetic stock structure of Atlantic cod (*Gadus morhua*) from bay and offshore locations on the Newfoundland continental shelf. *Molecular Ecology* 4: 79-88.

- 1995 Wroblewski, J.S., D. Kulka, S. Narayanan, A. Oake, A. Collier and B. McGrath. Winter distribution and movements of northern Atlantic cod (*Gadus morhua*) along the Newfoundland-Labrador continental shelf edge derived from observations on commercial trawlers. *Fisheries Oceanography* 4: 128-146.
- 1995 Wroblewski, J.S., S.V. Goddard, R. K. Smedbol and W.L. Bailey. Movements of Atlantic cod (*Gadus morhua*) within the spring thermocline in Trinity Bay, Newfoundland. *Journal of the Marine Biological Association of the U.K.* 75: 265-284.
- 1995 Kulka, D.W., J.S. Wroblewski and S. Narayanan. Recent changes in the winter distribution and movements of northern Atlantic cod (*Gadus morhua* Linnaeus, 1758) on the Newfoundland-Labrador shelf. *ICES Journal of Marine Science* 52: 889-902.
- 1996 Wroblewski, J.S., R.K. Smedbol, C.T. Taggart and S.V. Goddard. Movements of farmed and wild Atlantic cod (*Gadus morhua*) released in Trinity Bay, Newfoundland. *Marine Biology* 124: 619-627.
- 1997 Smedbol, R.K. and J.S. Wroblewski. Evidence for inshore spawning of northern Atlantic cod (*Gadus morhua*) in Trinity Bay, Newfoundland, 1991-1993. *Canadian Journal of Fisheries and Aquatic Science* 54 (Suppl. 1): 177-186.
- 1997 Fletcher, G.L., J.S. Wroblewski, M.M. Hickey, B. Blanchard M.H. Kao and S.V. Goddard. Freezing resistance of caged Atlantic cod (*Gadus morhua*) during a Newfoundland winter. *Canadian Journal of Fisheries and Aquatic Science* 54 (Suppl. 1): 94-98.
- 1998 Smedbol, R.K., D.C. Schneider, J.S. Wroblewski and D.A. Methven, Outcome of an inshore spawning event by northern Atlantic cod (*Gadus morhua*) at a low stock level. *Canadian Journal of Fisheries and Aquatic Science* 55: 2283-2291.
- 1999 Wroblewski, J.S., H.W. Hiscock and I.R. Bradbury. Fecundity of Atlantic cod (*Gadus morhua*) farmed for stock enhancement in Newfoundland bays. *Aquaculture* 171: 163-180.
- 2000 Wroblewski, J.S., B.G. Nolan, G.A. Rose and B. deYoung. Response of individual shoaling Atlantic cod to ocean currents on the northeast Newfoundland Shelf. *Fisheries Research* 45: 51-59.
- 2000 Ruzzante, D.E., J.S. Wroblewski, C.T. Taggart, R.K. Smedbol, D. Cook and S.V. Goddard. Bay-scale population structure in coastal Atlantic cod (*Gadus morhua*) in Labrador and Newfoundland, Canada. *Journal of Fish Biology* 56: 431-447.
- 2000 Green, J.M. and J.S. Wroblewski. Movement patterns of Atlantic cod in Gilbert Bay, Labrador: evidence for bay residency and spawning site fidelity. *Journal of the Marine Biological Association of the U.K.* 80: 1077-1085.
- 2002 Smedbol, R.K. and J.S. Wroblewski. Metapopulation theory and northern cod population

- structure: interdependency of subpopulations in recovery of a groundfish population. *Fisheries Research* 55: 161-174.
- 2002 Wroblewski, J.S. and H.W. Hiscock. Enhancing the reproductive potential of local populations of coastal Atlantic cod (*Gadus morhua*). *Canadian Journal of Fisheries and Aquatic Science* 59: 1685-1695.
- 2004 Jiao, Y., Y. Chen, D. Schneider and J. Wroblewski. A simulation study of impacts of error structure on modeling stock-recruitment data using generalized linear models. *Canadian Journal of Fisheries and Aquatic Science* 61: 122-133.
- 2004 Jiao, Y., D. Schneider, Y. Chen and J. Wroblewski. An analysis of error structure in modeling the stock-recruitment data of gadoid stocks using generalized linear models. *Canadian Journal of Fisheries and Aquatic Science* 61: 134-146.
- 2004 Gosse, K.R. and J.S. Wroblewski. Variant colourations of Atlantic cod (*Gadus morhua*) in Newfoundland and Labrador nearshore waters. *ICES Journal of Marine Science* 61: 752-759.
- 2005 Jiao, Y., Y. Chen and J. Wroblewski. An application of the composite risk assessment method in assessing fisheries stock status. *Fisheries Research* 72: 173-183.
- 2005 Wroblewski, J., B. Neis and K. Gosse. Inshore stocks of Atlantic cod are important for rebuilding the East Coast fishery. *Coastal Management* 33: 411-432.
- 2007 Wroblewski, J.S., L.K. Kryger-Hann, D.A. Methven and R.L. Haedrich. The fish fauna of Gilbert Bay, Labrador: A marine protected area in the Canadian subarctic coastal zone. *Journal of the Marine Biological Association of the U.K.* 87: 575-587.
- 2009 Wroblewski, J.S., T. J. Bell, A.I. Copeland, E.N. Edinger, C. Yu Feng, J.D. Saxby, D.C. Schneider, and J.M. Simms. Toward a sustainable Iceland scallop fishery in Gilbert Bay, a marine protected area in the eastern Canada coastal zone. *Journal of Cleaner Production* 17: 424-430 (invited contribution to special issue on The Sustainability of Seafood Production and Consumption).
- 2009 Hu, L. and J.S. Wroblewski. Conserving a subpopulation of the northern Atlantic cod metapopulation with a marine protected area. *Aquatic Conservation: Marine and Freshwater Ecosystems* 19: 178-193.
- 2011 Best, S., S. Lundrigan, E. Demirov and J. Wroblewski. Interannual variability of physical oceanographic characteristics of Gilbert Bay: a marine protected area in Labrador, Canada. *Journal of Marine Systems* (41<sup>st</sup> International Liege Colloquium on Ocean Dynamics, "Science based management of the coastal waters") 88: 128-138.
- 2012 Copeland, A., E. Edinger, T. Bell, P. LeBlanc, J. Wroblewski and R. Devillers. Geomorphic features and benthic habitats of a sub-arctic fjord: Gilbert Bay, Southern Labrador, Canada. In: P.T. Harris and E.K. Baker (eds). *Seafloor geomorphology as*

benthic habitat: Geohab Atlas of Seafloor Geomorphic Features and Benthic Habitats. Elsevier Insights Series, Elsevier, London. pp. 309-327.

- 2013 Copeland, A., E. Edinger, R. Devillers, T. Bell, P. LeBlanc, and J. Wroblewski. Marine habitat mapping in support of Marine Protected Area management in a subarctic fjord:: Gilbert Bay, Labrador, Canada.. *Journal of Coastal Conservation* 17: 225-237. (submitted 19 November 2010; published online 24 November 2011).
- 2013 Le Bris, A., A. Fréchet, P.S. Galbraith and J.S. Wroblewski. Evidence for alternative migratory behaviors in the northern Gulf of St. Lawrence population of Atlantic cod. *ICES Journal of Marine Science* 70: 793-804. doi.10.1093/icesjms/fst068. (submitted 10 January 2013; published online 12 May 2013).
- 2013 Le Bris, A., A. Fréchet and J.S. Wroblewski. Supplementing electronic tagging with conventional tagging to redesign fishery closed areas. *Fisheries Research* 148: 106-116. (submitted 27 May 2013; accepted 26 August 2013).
- 2017 Liu, S., J.S. Wroblewski and D.C. Schneider. Comparison of three methods for aging the Iceland scallop *Chlamys islandica*. *Journal of Shellfish Research* 36 (3): 607-614.

#### **Papers submitted:**

Le Bris, A. and J. S. Wroblewski. Winter skate (*Leucoraja ocellata*), thorny skate (*Amblyraja radiata*), Atlantic cod (*Gadus morhua*) and Acadian redfish (*Sebastes fasciatus*) are species of conservation concern among the fish fauna of Bonne Bay, Newfoundland. *Marine Biodiversity Records*. (submitted 22 August 2017).

#### **Books published:**

- 2013 Wroblewski, J.S. (Illustrated by Leah K. Wroblewski). *Marine Wildlife of the Gros Morne National Park Region*. Breakwater Books, St. John's. 202 p.

#### **Books in manuscript:**

Wroblewski, J.S. *Preserving Marine Heritage in Newfoundland and Labrador*. Breakwater Books Ltd. (submitted 30 May 2017)

Wroblewski, J.S. *The Golden Cod of Labrador: Establishing a Marine Protected Area in NunatuKavut*. ISER Books. (In preparation)

#### **Book Chapters:**

- 1998 Wroblewski, J.S. Substocks of northern cod and localized fisheries in Trinity Bay, eastern Newfoundland and in Gilbert Bay, southern Labrador. In: I. Hunt von Herbing, I. Kornfield, M. Tupper and J. Wilson (Eds.). *The implications of localized fishery stocks*. NRAES, Ithaca, NY. p 104-116.

- 2000 Wroblewski, J.S. The colour of cod: Fishers and scientists identify a local cod stock in Gilbert Bay, southern Labrador. In: B. Neis and L. Felt (Eds.) *Finding Our Sea Legs: Linking Fishery People and Their Knowledge with Science and Management*. ISER Books, Memorial University, St. John's. pp. 72-81.
- 2006 Wroblewski, J.S., J.P. Volpe and D.L.Y. Bavington. Chapter 7. Manufacturing fish: Transition from wild harvest to aquaculture. In: P.R. Sinclair and R.E. Ommer (Eds.). *Power and Restructuring: Canada's Coastal Society and Environment*. St. John's: ISER Books, Memorial University, St. John's. pp. 145-160.
- 2006 Parrish, C.C., L. Copeman, G. Van Biesen and J. Wroblewski. Chapter 3. Aquaculture and nearshore marine food webs: Implications for seafood quality and the environment North of 50. In: C.C. Parrish, N. J. Turner and S.M. Solberg (Eds.). *Resetting the Kitchen Table: Food Security, Culture, Health and Resilience in Coastal Communities*. Hauppauge, NY: Nova Science Publishers, New York. pp. 33-49.
- 2007 Bornhold, B., J. Harper, B. McLaren, G. Murray, B. Neis, N. Turner, C. Picard and J. Wroblewski. Chapter 6. Cross-scale, cross-sector and cross-purpose issues: Overlap in the coastal zone. In: Rosemary E. Ommer and the Coasts Under Stress Research Project Team. *Coasts Under Stress: Restructuring and Social-Ecological Health*. McGill-Queen's University Press. pp. 154-179.
- 2007 Dai, S., L. Hahn, C. Hawryshn, S. Lee, S. Temple, J. Kennedy, B. Neis, C. Parrish, S. Russo Garrido, J. Stanley, N. Turner, J. Volpe and J. Wroblewski. Chapter 12. Future Options I: Aquaculture, hatcheries, tourism, transportation and local initiatives. In: Rosemary E. Ommer and the Coasts Under Stress Research Project Team. *Coasts Under Stress: Restructuring and Social-Ecological Health*. McGill-Queen's University Press. pp. 323-350.
- 2007 Baker, K., R. Davis, R. Haedrich, L. Hamilton, T. Pitcher, J. Heymans, U. Sumaila, C. Ainsworth, K. Vodden and J. Wroblewski. Chapter 14. New options for governance. I: Marine and coastal waters. In: Rosemary E. Ommer and the Coasts Under Stress Research Project Team. *Coasts Under Stress: Restructuring and Social-Ecological Health*. McGill-Queen's University Press. pp. 379-404.
- 2018 M. Collins (editor). *Nature Field Guide to Newfoundland and Labrador*. Contributor of the section on Marine Fishes. pp. 263-277. Breakwater Books, St. John's. (in press)

#### **Books Reviewed:**

- 1995 Fishing for Truth: a Social Analysis of Northern Cod Stock Assessment 1977-1990 by Alan Christopher Finlayson. Reviewed for *The Northern Mariner, J. Can. Naut. Res. Soc.* 5: 93-94.
- 2001 Fisheries Oceanography: An Integrative Approach to Fisheries Ecology and Mangement by Paul J. Harrison and Timothy R. Parsons. Reviewed for *Limnology and Oceanography, Limnol. Oceanogr.* 46: 1844.
- 2002 A Fascination for Fish: Adventures of an Underwater Pioneer by David C. Powell. Reviewed for

The Northern Mariner. J. Can. Naut. Res. Soc 12(1): 54-55.

- 2002 The Restless Sea: Exploring the World Beneath the Waves by Robert Kunzig. Reviewed for The Northern Mariner, J. Can. Naut. Res. Soc. 12 (3): 54-55.
- 2003 The Sea Knows No Boundaries: A Century of Marine Science Under ICES by Helen Rozwadowski. Reviewed for the International Journal of Maritime History 15(1): 288-289.
- 2005 A Field Guide to North Atlantic Wildlife. Marine Mammals, Seabirds, Fish and Other Sea Life by Noble S. Proctor and Patrick J. Lynch. Reviewed for The Northern Mariner. J. Can. Naut. Res. Soc 15(3): 131-132.
- 2013 A History of the North Atlantic Fisheries, Volume 2: From the 1850s to the Early Twenty-First Century. David J. Starkey and Ingo Heidbrink (eds.). Reviewed for the International Journal of Maritime History 25(2): 309-310.

**Informational Videos Produced:**

- 1995 Cod farming by Newfoundland fish harvesters (12 minutes). Produced by J. Wroblewski, R. Moores and P. French. Video Production Unit, Marine Instit., Memorial Univ., St. John's.
- 1997 Cod farming in Labrador (9 minutes). Produced by J. Wroblewski. Video Production Unit, Marine Institute Memorial Univ., St. John's.
- 2011 Appeared in Cod: The Bountiful Catch (16 minutes). Produced by Kathleen Blanchard, Intervale Associates Inc., Doyles, NL with the financial support of the Government of Canada Habitat Stewardship Program for Species at Risk, with additional support from Environment Canada and the Community University Research for Recovery Alliance at Memorial University.

**Reports and Non-Refereed Publications (since 1989 at Memorial University):**

- 1990 Wroblewski, J.S. The NSERC/ Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography 1990 Annual Report. Memorial Univ. of Newfoundland, St. John's, NF. 20p.
- 1991 Wroblewski, J. S. The NSERC/ Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography 1991 Annual Report. Memorial Univ. of Newfoundland, St. John's, NF. 15p.
- 1992 Wroblewski, J. S. The NSERC/ Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography 1992 Annual Report. Memorial Univ. of Newfoundland, St. John's, NF. 36p.
- 1993 Wroblewski, J. S., A. Collier and W. Bailey. The NSERC/ Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography. Data Report No.1. Ocean temperatures in the Random Island region of Trinity Bay, 1991-1992. Memorial Univ. of Newfoundland, St. John's, NF. 48p.

- 1994 Wroblewski, J. S., W. Bailey and R. Smedbol. The NSERC/ Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography. Data Report No.2. Behaviour of farmed cod released in Trinity Bay, Newfoundland. Memorial Univ. of Newfoundland, St.John's, NF. 33p.
- 1994 Wroblewski, J.S., M.M. Hickey, S.V. Goddard, G.L. Fletcher, and B. Blanchard. Ocean temperature limitations to overwintering farmed cod. Final Report. Research Contract AU/62 awarded by the Canadian Centre for Fisheries Innovation, Memorial Univ. of Newfoundland, St. John's, NF. 26p.
- 1994 Wroblewski, J.S. Enhancing northern cod recruitment through the release of farmed fish. Paper prepared for the Canadian Centre for Fisheries Innovation, Memorial University of Newfoundland, St. John's, NF. 7p.
- 1994 O'Rielly, A., J. Brown, J. Wroblewski, C. Taggart, J. Moores, R. Penny, S. Goddard, G. Blackwood, R. Moores and B. Burke. Cod Enhancement-Operational Plans. Report of the Working Group on Cod Enhancement. Canadian Centre for Fisheries Innovation, Memorial Univ. of Newfoundland, St. John's, NF. 57p.
- 1995 Wroblewski, J. S. The NSERC/ Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography. Final Report. Memorial Univ. of Newfoundland, St. John's, NF. 21p.
- 1996 Wroblewski, J. S. Meeting summary of the 1996 Mote International Symposium on Marine Stock Enhancement. Canadian Centre for Fisheries Innovation, Memorial Univ. of Newfoundland, St. John's, NF. 15p. + appendices.
- 1998 Wroblewski, J.S., W.L. Bailey and J. Russell. Grow-out cod farming in southern Labrador. Bull. Aquacul. Assoc. Canada 98-2: 47-49.
- 1999 Wroblewski, J.S. The identification of a genetically distinct stock of cod in Gilbert Bay. In: Labrador Workshop, Research and Education for the Future. Held in Happy Valley-Goose Bay, November 19-21, 1999. Published by the Labrador Institute, Memorial University of Newfoundland. pp 38-44.
- 2000 Smedbol, R.K. and J.S. Wroblewski. Metapopulation theory and northern cod population structure: interdependency of subpopulations in recovery of a groundfish population. Canadian Stock Assessment Secretariat Research Document 2000/87. 29p.
- 2001 Wroblewski, J.S. 2000. Marine Remote Sensing Applications to the Fisheries and Aquaculture Industry of Newfoundland and Labrador. In: Marine Remote Sensing Applications & Business Development Workshop. June 19-20, 2000. Final Report. Contract Report to the Canada Centre for Remote Sensing. C-CORE Publ. R-01-013-528. Memorial University of Newfoundland, St. John's.
- 2003 Gosse, K., J. Wroblewski and B. Neis. Closing the loop: Commercial fish harvesters' local ecological knowledge and science in a study of coastal cod in Newfoundland and

- Labrador. In: Putting Fishers' Knowledge to Work: Proceedings of the Conference, Vancouver, August 27-30, 2001. N. Haggan, C. Bringnall and L. Wood, eds. Univ. of British Columbia Fisheries Centre Research Reports Vol. 11 No. 1, p 25-35.
- 2004 Wroblewski, J., L. Kryger and D. Methven. The fishes of Gilbert Bay, Labrador: An area of interest for a marine protected area. Power Point Presentation posted on the Coast Under Stress Website, <http://www.coastunderstress.ca>.
- 2006 Wroblewski, J. Local management of local stocks. The Navigator magazine, The Voice of the Marine Industry. Vol 9 (1): 74-76.
- 2006 Wroblewski, J.S. Comparing strategies for rebuilding the northern cod population. Final Report. Research Contract awarded by the Canadian Centre for Fisheries Innovation, Memorial Univ. of Newfoundland, St. John's.
- 2006 Wroblewski, J.S. and L. Hu. A determination of the ecosystem carrying capacity for finfish in Gilbert Bay, Labrador: A Marine Protected Area. Final Report. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's.
- 2006 Copeland, A., T. Bell, E. Edinger, L. Hu and J. Wroblewski. Habitat mapping in Gilbert Bay, Labrador - A Marine Protected Area: Phase I. Final Report. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's. 68p.
- 2006 Ommer, R.E. with C.L. Holcapek, R.J. Hood and the Coasts Under Stress Research Project Team. Voices on the Edge. published by the University of Victoria and Memorial University of Newfoundland. 62p.
- 2006 Wroblewski, J. and D. Schneider. Field Report: Scientific data collected during the 2006 Iceland scallop fishery in the Gilbert Bay MPA. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's. 10p.
- 2006 Bell, T., A. Copeland, R. Devillers, E. Edinger, L. Hu and J. Wroblewski. Field Report: Habitat Mapping in Gilbert Bay, Labrador - A Marine Protected Area: Phase II. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's. 20p.
- 2007 Wroblewski, J.S. and D. C. Schneider. Collection of field data for managing the Iceland scallop fishery in Gilbert bay, Labrador: A marine protected area. Final Report. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's. 15p.
- 2007 Copeland, A., Edinger, E., Bell, T., Hu, L., Wroblewski, J. and Devillers, R. Habitat mapping in Gilbert Bay, Labrador - A Marine Protected Area: Phase II. Final Report. Marine Habitat Mapping Group Report 07-02. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's. 108p.
- 2007 Wroblewski, J. Field Report: Collection of data on pre-recruit Iceland scallop in Zones 2 and 3 of the Gilbert Bay MPA during 26 September to 1 October 2007. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's. 11p.

- 2008 Wroblewski, J.S. Ocean Temperatures and Salinities in Gilbert Bay, Labrador 1996-1997 and 2004-2007. MUN Fisheries Oceanography Group Data Report 2008-1. Memorial University of Newfoundland. St. John's. 22p.
- 2008 Copeland, A., Edinger, E., LeBlanc, P., Bell, T., Devillers, R., and Wroblewski, J. Marine habitat mapping in Gilbert Bay, Labrador - A Marine Protected Area: Phase III. Final Report. Marine Habitat Mapping Group Report 08-01. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland, St. John's. 79p.
- 2008 Wroblewski, J. Shell sizes of Iceland scallop in Gilbert Bay, Labrador 2006-2007. MUN Fisheries Oceanography Group Data Report 2008-2. Memorial University of Newfoundland. St. John's. 21p.
- 2009 Wroblewski, J. and S. Liu. Determination of the growth rate of Iceland scallop in the Gilbert Bay MPA. MUN Fisheries Oceanography Group Contract Report 2009-1. Research Contract awarded by Fisheries and Oceans Canada to Memorial Univ. of Newfoundland. St. John's. 54p.
- 2009 Currie, J.J., J.S. Wroblewski, D.A. Methven and R.G. Hooper. The nearshore fish fauna of Bonne Bay, a fjord within Gros Morne National Park, Newfoundland. Community-University Research for Recovery Alliance (CURRA) Project Report. Memorial University, St. John's. 66p.
- 2009 Wroblewski, J.S. Handbook of Guidelines for Graduate Students and Supervisors, Interdisciplinary Graduate Program in Environmental Science, Memorial University. 31p. Updated in 2010 and 2011.
- 2010 Wroblewski, J. and A. Hakin. External Reviewers Report. Academic Program Review of the M.Sc. in Applied Science, St. Mary's University. 9p.
- 2010 Wroblewski, J.S. and the Environmental Science Program Board of Studies. Response to the Academic Program Review of the Environmental Science Program. Memorial University. 14p.
- 2010 Bruce, J.E.B., D.C. Schneider and J.S. Wroblewski. The habitats of 0-group juvenile Atlantic cod in Bonne Bay, a fjord within Gros Morne National Park, Newfoundland. Community-University Research for Recovery Alliance (CURRA) Project Report. Memorial University, St. John's. 41p.

**Invited Presentations (since 1989 at Memorial University):**

- 1990 The 1990 Joint Global Ocean Flux Study Modeling Meeting, The Royal Society, London
- 1991 Briefing on research findings to the Executive Board, Fishery Products International Ltd., St. John's, NF.
- 1991 Dept. of Biology, Memorial University, St. John's.
- 1991 Briefing on research findings to the Board of Directors, National Sea Products Ltd., Halifax, NS.
- 1991 Dept. Biological Sciences, University of Illinois, Chicago.

- 1993 Ocean Sciences Centre, Memorial University, St. John's, NF.
- 1995 Aquaculture Seminar, sponsored by the Fish Harvester's Resource Centre, FFAW/CAW and HRD, Bonavista, NF.
- 1995 Colloquium on the Occasion of the 50th Anniversary of the U.N., The U.N. Law of the Sea and the Marine Environment, and the U.N. Convention on Straddling Stocks and Highly Migratory Species, St. John's.
- 2000 Bigelow Laboratory for Ocean Sciences, Boothbay Harbour, Me.
- 2003 International Symposium on Upper Ocean Circulation and Air-Sea Interaction. Florida State Univ., Tallahassee, FL.
- 2003 Coasts Under Stress Panel. Special Session, "On the Edge" Conference, joint meeting of the ACMLA/CAG/CCA/CRSA, Victoria, B.C.
- 2005 Presentation on the Development of the Marine Protected Area in Gilbert Bay, Labrador to journalists from the UK, Norway, Iceland and Denmark. Hosted by the Canada Department of External Affairs. Memorial University, St. John's.
- 2006 Presentation on stewardship by coastal communities of inshore cod stocks and recommendations on aquaculture policy in Newfoundland and Labrador. Coasts Under Stress Policy Workshop in cooperation with the Leslie Harris Centre of Regional Policy and Development, Memorial University, St. John's.
- 2006 Panelist during the workshop "The Future of Endangered Coastal Communities", A.R. Scammell Academy, Change Islands, Newfoundland.
- 2007 Presentation on research on the Iceland scallop fishery in Gilbert Bay, Labrador. Gilbert Bay MPA Steering Committee meeting, Port Hope Simpson, Labrador.
- 2008 Presentation on the future of the Graduate Programme in Environmental Sciences at Memorial University, St. John's.
- 2009 Presentation on the fishes of Bonne Bay. Presented to 60 senior high students from Bonne Bay Academy in Woody Point and Jakeman All-Grades in Trout River, Heritage Theatre, Woody Point, NL.
- 2009 Presentation on the fishes of Bonne Bay. Celebrate Bonne Bay Public Gathering, Heritage Theatre, Woody Point, NL. Power Point presentation available on the website <http://www.curra.ca>
- 2010 Presentation on the Cluster-Theme "Environment" at the consultation sessions on research strengths for the Memorial University Research Plan, 18 March 2010.
- 2014 Book Launch, Celebrate the Sea Day, Trails Tales and Tunes Festival, Norris Point, NL. 2014

2014 Presentation on Marine Heritage Preservation in NL, sponsored by Nature NL, The Rooms, Provincial Archives, Art Gallery and Museum of NL. 22 October 2014.

**Presentations at Professional Meetings (since 1989 as professor at Memorial University):**

1992 Wroblewski, J.S. and W.L. Bailey. Sonic tagging and tracking of northern cod (*Gadus morhua*) in nearshore waters of Trinity Bay, Newfoundland, during the winter of 1990-1991. The 1992 Canadian Conference for Fisheries Research, Dalhousie University, Halifax, NS.

1993 Wroblewski, J.S., W. Bailey and A. Collier. Pelagic movements of cod in Trinity Bay, Newfoundland, during the early spring and mid summer of 1992. 1993 Canadian Conference for Fisheries Research, Trent Univ, Peterborough, Ont.

1994 Kulka, D.W., J.S. Wroblewski and S. Narayanan. Changes in the winter distribution and migration patterns of northern Atlantic cod (*Gadus morhua*) on the Newfoundland-Labrador shelf as determined from commercial fisheries data. 1994 ICES Mini-Symposium on Fish Migration, ICES Meeting, St. John's, NF

1994 Wroblewski, J.S. and W.L. Bailey, Pelagic movements of Atlantic cod during early spring in Trinity Bay, Newfoundland. 1994 Symposium on Orientation and Migration in the Sea. Marine Biol. Assoc. U.K./ Soc. Exp. Biology, Plymouth, England

1994 Wroblewski, J.S., R.K. Smedbol and W.L. Bailey. Behavior of farmed cod released in Trinity Bay, NF. 1994 Annual Meeting of the Ocean Production Enhancement Network (OPEN), Dartmouth, NS.

1994 Wroblewski, J.S., D. W. Kulka and S. Narayanan. Winter migration patterns of Atlantic cod along the Newfoundland-Labrador continental shelf derived from scientific observations on commercial trawlers. 1994 AGU/ASLO Ocean Sciences Meeting, San Diego, CA.

1994 R.K. Smedbol and J.S. Wroblewski. Observation of a spawning event of northern cod in Trinity Bay, NF. The 1994 Canadian Conference for Fisheries Research, Saskatoon, SK.

1994 R.K. Smedbol, J.S. Wroblewski. Evidence for inshore spawning of Atlantic cod (*Gadus morhua*) in Trinity Bay, Newfoundland, from 1991 to 1993. Symposium on the Biology and Ecology of Northwest Atlantic Cod, Delta St. John's Hotel, St. John's, NF.

1994 J.S. Wroblewski, K.A. Howse, S. Narayanan and S. Bollens. Behavior of northern Atlantic cod (*Gadus morhua*) acoustically tagged with depth-telemetry transmitters. Symposium on the Biology and Ecology of Northwest Atlantic Cod, Delta St. John's Hotel, St. John's, NF.

1994 J.S. Wroblewski, R.K. Smedbol, C.T. Taggart and S.V. Goddard. Behavior of farmed Atlantic cod released in Trinity Bay, Newfoundland. Symposium on the Biology and Ecology of Northwest Atlantic Cod, Delta St. John's Hotel, St. John's, NF.

1994 M.J. King, S.V. Goddard, J.S. Wroblewski, C.T. Taggart and G.L. Fletcher. Antifreeze activity in the plasma of cod in the field can be interpreted to give information on past thermal history. (poster). Symposium on the Biology and Ecology of Northwest Atlantic Cod, Delta St. John's Hotel, St. John's, NF.

John's, NF.

1995 M.M. Hickey, J.S. Wroblewski, S.V. Goddard, G.L. Fletcher and B. Blanchard. Ocean temperature limitations to overwintering farmed cod. 1995 Canadian Conference for Fisheries Research, Radisson Hotel, Ottawa.

1995 J.S. Wroblewski (invited). A pilot experiment to enhance recruitment of Atlantic cod in Newfoundland. Conservation Hatcheries/Threatened and Endangered Species Propagation Symposium, 125th Annual Meeting of the American Fisheries Society, Tampa.

1996 J.S. Wroblewski and H.W. Hiscock. A pilot experiment on enhancing the spawning biomass of Atlantic cod in Trinity Bay, NF. 1996 Mote International Symposium on Marine Stock Enhancement, Mote Marine Laboratory, Sarasota, Fl.

1997 R.K. Smedbol, D.C. Schneider, J.S. Wroblewski, D.A. Methven, and D.L. Pinsent. The population consequences of inshore spawning by northern Atlantic cod (*Gadus morhua*) at low stock levels. 1997 Canadian Conference for Fisheries Research, Radisson Hotel, Ottawa, Ont.

1997 Wroblewski, J.S. Observations of northern cod overwintering in Trinity Bay, Newfoundland and Gilbert's Bay, Southern Labrador. Workshop on Inshore-Offshore Cod Stock Structure, Delta St. John's Hotel, St. John's, Nfld. Abstract published in Proceedings of the Workshop on Cod Stock Components, March 3-5, 1997, Canadian Stock Assessment Proceedings Series 97/06.

1997 Wroblewski, J.S. Sub-stocks of northern cod and localized fisheries in Trinity Bay, eastern Newfoundland and in Gilbert Bay, southern Labrador. (Invited) Workshop to Examine the Implications of Localized Fishery Stocks. Sponsored by the University of Maine and Sea Grant College Program, Portland, ME. Conference proceedings published by NRAES. Ithaca, N.Y.

1998 Wroblewski, J.S., J.M. Green and W.L. Bailey. Evidence for a subpopulation of northern cod in Gilberts Bay, southern Labrador. DFO Zonal Assessment Meeting, St. John's.

1998 Wroblewski, J. A subpopulation of northern cod in Gilbert Bay, Labrador. (Invited) Bringing Fishers' Knowledge into Fisheries Science and Management. St. John's, NF. Conference proceedings published by ISER.

1998 Wroblewski, J.S., W.L. Bailey and J. Russell. Grow-out cod farming in southern Labrador. Aquaculture Canada '98. St. John's, NF. Conference proceedings published in Bull. Aquaculture Assn. Canada.

1998 J.M. Green, J.S. Wroblewski and W.L. Bailey. Evidence from sonic tracking of a resident population of northern Atlantic cod in Gilbert Bay, Labrador. (poster) Annual Meeting of the International Society of Ichthyologists and Herpatologists. Guelph, Ont.

1999 R.K. Smedbol and J.S. Wroblewski. Metapopulation structure in northern Atlantic cod. 129th Annual Meeting of the American Fisheries Society, Charlotte, N.C.

1999 Wroblewski, J.S. The identification of a genetically distinguishable population of northern cod in

Gilbert Bay, southern Labrador. (Invited) Labrador Workshop, Research and Education for the Future. Happy Valley-Goosebay, Labrador. Conference proceedings published by the Labrador Institute, Memorial University of Newfoundland, St. John's.

2000 Wroblewski, J.S. and R.K. Smedbol. Parameterizing recolonization in a metapopulation model of northern cod. AGU/ASLO Ocean Sciences Meeting. San Antonio, Tx.

2001 Gosse, K., J.S. Wroblewski and B. Neis. Closing the loop: Commercial fish harvesters' local ecological knowledge and science in a study of coastal cod in Newfoundland and Labrador. Conference on Putting Fishers' Knowledge to Work, Fisheries Centre, Univ. of British Columbia. Vancouver, B.C.

2002 Jiao, Y., Y. Chen and J. Wroblewski. Impacts of stock mixing on the estimation of fish growth. American Fisheries Society 132nd Annual Meeting, Baltimore, MD.

2002 Jiao, Y., Y. Chen and J. Wroblewski. Uncertainty associated with the F0.1 biological reference point for the Atlantic cod (*Gadus morhua*) fishery in NAFO Divisions 2J3KL. Oceans Management Research Network 2002 National Conference, Ottawa, Ont.

2003 Wroblewski, J., W. Montevecchi, H. Chaffey and K. Gosse. More than science: understanding, exploiting and protecting marine animals by coastal communities on the Labrador coast. "On the Edge" conference, joint meeting of the ACMLA/CAG/CCA/CRSA. Victoria, B.C.

2003 Jiao, Y., Y. Chen and J. Wroblewski. Evaluating the northern cod (*Gadus morhua*) fishery status using a composite risk assessment method. American Fisheries Society 133rd Annual Meeting, Quebec City, Quebec.

2003 Montevecchi, W., J. Wroblewski, B. Neis, H. Chaffey and K. Gosse. Conservation biology involves more than biology: A tale of two protected areas on the Labrador coast. Oceans Management Research Network 2003 National Conference, Ottawa, Ont.

2004 Gosse, K and J. Wroblewski. Variant colourations of Atlantic cod in Newfoundland and Labrador nearshore waters. Canadian Conference for Fisheries Research Annual Meeting, St. John's.

2004 Jiao, Y., Y. Chen and J. Wroblewski. An application of the generalized linear model to fish production models and sequential population analysis. Canadian Conference for Fisheries Research Annual Meeting, St. John's.

2004 Montevecchi, W., J. Wroblewski, B. Neis, H. Chaffey and K. Gosse. Conservation biology in the real world: studying, exploiting and protecting marine animals on the Labrador coast. Coastal Zone Canada Conference. St. John's.

2004 Cardoso, D., B. deYoung, and J. Wroblewski. Modeling plankton production for the Labrador Sea and shelf (poster). Coastal Zone Canada Conference. St. John's.

2005 Kendall, V and J. Wroblewski. Do the boundaries of the proposed Gilbert Bay MPA provide adequate protection to the critical life history stages of its threatened fish species? Oceans Management

Research Network 2005 National Conference, Ottawa, Ont.

2007 Wroblewski J., T. Bell, A. Copeland, E. Edinger, C. Yu Feng, J. Saxby and D. Schneider. Research on the Icelandic scallop fishery in Gilbert Bay during August 2006. Regional MPA Update and Science Workshop. St. John's, NL.

2008 Wroblewski J.S., R. J. Nelson, G.A. Rose, and J.M. Simms. Connectivity of sedentary and migratory populations of Atlantic cod at the boundary of the Gilbert Bay MPA. Regional MPA Update and Science Workshop. St. John's, NL.

2008 Liu, S. and J.S. Wroblewski. Comparison of the growth rate of Iceland scallop in Gilbert Bay, Labrador with the scallop growth in the northeastern Gulf of St. Lawrence and in the Nuuk area of West Greenland. Regional MPA Update and Science Workshop. St. John's, NL.

2009 Best, S., E. Demirov and J. Wroblewski. Regional climate scenario projections of impact on a coastal Marine Protected Area in Labrador, Canada. European Geosciences Union (EGU) General Assembly, Vienna, Austria.

2009 Best, S., E. Demirov and J. Wroblewski. A climate sensitivity study of a Marine Protected Area in Labrador, regional projection of IPCC climate scenarios. 41<sup>st</sup> International Liege Colloquium on Ocean Dynamics. Liege, Belgium.

2009 Best, S., S. Graham, J. Wroblewski and E. Demirov. Seasonal and interannual variability of physical oceanographic characteristics in a Marine Protected Area of Labrador. (poster). 41<sup>st</sup> International Liege Colloquium on Ocean Dynamics. Liege, Belgium.

2009 Liu, S., J.S. Wroblewski and R.J. Thompson. Growth parameters of Iceland scallop (*Chlamys islandica*) in Gilbert Bay, Labrador, a Marine Protected Area. 23<sup>rd</sup> Annual Meeting of the Society for Conservation Biology. Beijing, China.

2010 Best, S., S. Graham, E. Demirov and J. Wroblewski. Interannual variability of atmospheric and oceanographic characteristics of a Marine Protected Area in Labrador, Canada. (poster) Atlantic Provinces Council on the Sciences (APICS) Environmental Studies Conference, St. John's.

2011 Wroblewski, J. Interdisciplinary Graduate Program in Environmental Science at Memorial University of Newfoundland (poster). Presented at the Atlantic Provinces Council on the Sciences (APICS) Environmental Studies and Science Annual Conference, Halifax.

2012 Le Bris, A., A. Frechet, P. Galbraith and J. Wroblewski. Partial migration in the northern Gulf of St. Lawrence Atlantic cod population. ICES Annual Science Conference, Bergen.

2012 Wroblewski, J. Bonne Bay as habitat during the life cycle of finfish species fished commercially and/or recreationally in the Gulf of St. Lawrence, in the bay or in freshwaters of Gros Morne National Park. International Symposium: Rebuilding Collapsed Fisheries and Threatened Communities. Norris Point, NL.

2014 Christensen, L. and J. Wroblewski. Offsetting the destruction of marine fish habitat during coastal

development projects in Canada. International Conference on Marine and Freshwater Environments 2014. St. John's. Published in conference proceedings available at <http://journals.library.mun.ca/ojs/index.php/IMFE/article/view/1090/940>

**Research Awards (since 1989 at Memorial University):**

- 1989-95 Research approach to the northern cod migration and annual recruitment problems.. NSERC/Fishery Products International/ National Sea Products Research Chair in Fisheries Oceanography. \$1,075,000
- 1993 Sonic tagging of released aquaculture cod. Canadian Centre for Fisheries Innovation. \$23,840
- 1993 Tracking released ranched cod in Trinity Bay. Newfoundland and Labrador Dept. of Fisheries. \$6,000
- 1994 Field observations of northern cod migration. NSERC shiptime request. \$17,500
- 1994 Research in fisheries oceanography. Dean of Science Shared Cost Research Funds, Memorial University. \$7,000
- 1994 Ocean temperature limitations to overwintering farmed cod (with G. Fletcher and S. Goddard). Canadian Centre for Fisheries Innovation. \$22,625
- 1994-95 Spawning behavior of farmed cod released in Trinity Bay, Newfoundland (with C. Taggart). Canadian Centre for Fisheries Innovation and Nfld. Dept. Fisheries, Food and Agriculture. \$86,927
- 1995-96 Viability of eggs from farmed cod and implications for enhancing wild stocks (with J. Brown and D. Schneider). Canadian Centre for Fisheries Innovation and Nfld. Dept. Fisheries, Food and Agriculture. \$71,398
- 1996-97 The development of cod farming in Labrador and value added products from inshore cod off Labrador, with particular reference to Gilbert's Bay-St. Michael's Bay (with S. Carr, W. Davidson, G. Fletcher, and J. Green). Comprehensive Labrador Cooperation Agreement. \$79,026; with supplement of \$7,975
- 1996 Modeling of the population structure and distribution of northern cod. Faculty of Science Research Funds, Memorial University. \$7,000
- 1997 DFO/Memorial University Collaboration Agreement in Research on Inshore Cod in Gilbert's Bay, Southern Labrador. \$3,000
- 1997-98 Determination of the economic potential for grow-on cod farming in coastal Labrador. Canadian Centre for Fisheries Innovation and Nfld. Dept. Fisheries and Aquaculture. \$19,499
- 1998 Modeling population spatial structure of marine, demersal fishes. Dean of Science Internal Award, Memorial University. \$5,000

- 1998-99 Study of the biology of cod in Gilbert Bay, Labrador (with J.M. Green). Canadian Centre for Fisheries Innovation and Labrador Fishermen's Union Shrimp Co. \$6,084
- 1998-99 Collection of blood samples from cod in Gilbert Bay, Labrador. Canada Dept. Fisheries and Oceans. \$3,050
- 2000-05 Investigation of Local Fisheries Resources of the Labrador Coast (with C. Parrish). "Coasts Under Stress" subcomponent, R. Ommer, Principal Investigator. Major Collaborative Research Initiative, SSHRC and NSERC. \$364,000
- 2001-02 Developing a simulation modeling capability for the coastal marine ecosystem of Labrador (with B. deYoung). V.P. Research Internal Award, Memorial University. \$10,000
- 2003 Effects of Churchill River outflow on the productivity of coastal Labrador. Northern Scientific Training Program. \$1,650
- 2003-05 Comparing strategies for rebuilding the northern cod population. Canadian Centre for Fisheries Innovation. \$21,096.
- 2004 A study of the fish fauna of Gilbert Bay, Labrador (with R. Haedrich and D. Methven). Canada Dept. Fisheries and Oceans. \$9,932.
- 2004 A beach seine survey of Gilbert Bay, Labrador (with D. Methven). Canada Dept. Fisheries and Oceans. \$5,000.
- 2005-06 A determination of the ecosystem carrying capacity for finfish in Gilbert Bay Labrador, a Marine Protected Area. Canada Dept. Fisheries and Oceans Canada. \$9,464.
- 2005-06 An analysis of multibeam acoustic data from Gilbert Bay, Labrador (with E. Edinger and T. Bell). Fisheries and Oceans Canada. \$9,750.
- 2006-07 Collection of field data for managing the Icelandic scallop fishery in Gilbert Bay, Labrador, A Marine Protected Area (with D. Schneider). Fisheries and Oceans Canada. \$4,500.
- 2006-07 Habitat mapping in Gilbert Bay, Labrador, A Marine Protected Area, Phase II (with T. Bell, E. Edinger and R. Devillers). Fisheries and Oceans Canada. \$24,948.
- 2007-08 Marine habitat mapping in Gilbert Bay, Labrador, A Marine Protected Area, Phase III (with E. Edinger, T. Bell, and R. Devillers). Fisheries and Oceans Canada. \$25,000.
- 2007-08 Collection of field data on pre-recruit Iceland scallop fishery in Zones 2 and 3 of the Gilbert Bay Marine Protected Area. Fisheries and Oceans Canada. \$4,936.
- 2007-12 Local Cod Stocks/Juvenile Cod Critical Habitat Subcomponent: (with D. Schneider). "Community-University Research for Recovery Alliance", B. Neis, Principal Investigator. CURA Program of SSHRC. Subcomponent budget \$100,000 total over five years; includes \$30,000 from DFO partner funding.

2008-09 Determination of the growth rate of Iceland scallop in the Gilbert Bay MPA and continued monitoring of seawater temperature. Fisheries and Oceans Canada. \$9,323.

**Oceanographic Cruise Experience:**

R/V <i>Tursiops</i>	(SUSIO)	Gulf of Mexico	1970
R/V <i>Bellows</i>	(SUSIO)	Gulf of Mexico	1971
R/V <i>Yaquina</i>	(UNOLS)	Oregon Coast	1972-74
R/V <i>Cayuse</i>	(UNOLS)	Oregon Coast	1974
CSS <i>Dawson</i>	(DFO)	Scotian Shelf	1976-77
CSS <i>Dawson</i>	(DFO)	Sargasso Sea	1979
CSS <i>Dawson</i>	(DFO)	Scotian Shelf	1980
R/V <i>Oceanus</i>	(UNOLS)	Gulf Stream	1982
CSS <i>Dawson</i>	(DFO)	Scotian Shelf	1982
R/V <i>Cape Hatteras</i>	(UNOLS)	Gulf Maine	1985
CSS <i>Dawson</i>	(DFO)	Nfld Shelf	1990-91
CFV <i>Northern Quest</i>	(Chartered)	Nfld Shelf	1990-94
CFV <i>Arctic Pride</i>	(Chartered)	Nfld Shelf	1991
CSS <i>Parizeau</i>	(DFO)	Nfld Shelf	1992
CSS <i>Shamook</i>	(DFO)	Nfld Shelf	1993-95
HMCS <i>Anticosti</i>	(DND)	Nfld Shelf	1993
Fishing vessels	(Chartered)	Labrador Coast	1996-2009

**Graduate Student Theses Supervised:**

Ingrid Peterson	"Sources of variation in feeding and respiration rates of <i>Mytilis edulis</i> , M.Sc. Thesis. Chairman of Supervisory Committee, Dalhousie Univ., December 1979.
Barbara-Ann Juzsko	"The Strait of Belle Isle - Physical aspects and biological implications of the flow." M.Sc. Thesis (co-supervisor with Dr. C.J.R. Garrett). Dalhousie Univ., July 1981.
Peter Franks	"A coupled physical-biological model of a warm core ring." M.Sc. Thesis. Supervisor. Dalhousie Univ., August 1984.
Kristine Howse	"A modified migration model for Atlantic cod, <i>Gadus morhua</i> , off the northeast coast of Newfoundland." M.Sc. Thesis. Supervisor. Memorial Univ., May 1993.
Fraser Davidson	"Modeling advection of cod eggs and larvae on the Newfoundland shelf." M.Sc. Thesis.(co-supervisor with Dr. Brad de Young). Memorial Univ., July 1994.
Kent Smedbol	"Evidence for inshore spawning of Atlantic cod ( <i>Gadus morhua</i> ) in Trinity Bay, Newfoundland, from 1991 to 1993." M.Sc. Thesis. Supervisor. Memorial Univ., August 1994.
Jon Joy	"Population dynamics of the squid, <i>Illex illecebrosus</i> , in Newfoundland waters." Ph.D. Thesis. Memorial Univ., all but degree. 1990-1997.
Wade Hiscock	"Increasing the spawning biomass of northern Atlantic cod, <i>Gadus morhua</i> , through

- the release of mature farmed fish." M.Sc. Thesis. Supervisor. Memorial Univ., December 1997.
- Kent Smedbol "A study of northern Atlantic cod (*Gadus morhua*) of eastern Newfoundland and Labrador as a metapopulation." Ph.D. Dissertation. Supervisor. Memorial Univ., July, 1999.
- Karen Gosse "Brown cod and bay stocks: Science and fish harvesters' knowledge of coloration in populations of Atlantic cod (*Gadus morhua*) in Newfoundland and Labrador". M.Sc. Thesis. Supervisor. Memorial Univ., December 2002.
- Nicole Spencer "Marine stock enhancement: A critical review of the past and a look to the future within coastal community-based marine reserves". Masters of Marine Studies (Fisheries Resource Management). Major Paper. Advisor. Memorial University. Feb 2003
- Yan Jiao "Modeling uncertainty in fish population dynamics". Ph.D. Dissertation. Co-supervisor (with Dr. Yong Chen, Univ. of Maine). Memorial Univ., January 2004.
- Diana Cardoso "Modeling Variations of the Seasonal Cycle of Plankton Production: The Labrador Sea, Labrador Shelf and Hamilton Inlet". M. Sc. Thesis. Co-supervisor (with Dr. Brad deYoung) .April 2004. Winner of the Birks Medal at Convocation.
- Valerie Kendall "Population dynamics and life history of Gilbert Bay cod: Using Leslie Matrix modeling to determine whether the boundaries of the Gilbert Bay MPA protect the critical life stages." Masters of Environmental Science. Supervisor. Memorial Univ. May 2006.
- Liuming Hu "Resident fish production, ecosystem carrying capacity and population dynamics of Atlantic cod (*Gadus morhua*) in Gilbert Bay, Labrador, a Marine Protected Area." M.Sc. Thesis. Supervisor. Memorial Univ. May 2007.
- Shanshan Liu "Growth rate of the Iceland scallop *Chlamys islandica* in Gilbert Bay, Labrador: a Marine Protected Area." M.Sc. Thesis. Co-supervisor (with Dr. Ray Thompson). Memorial Univ. November 2009. Thesis won the Moire A. Wadleigh Award for Excellence in Environmental Science.
- Sara Best "Hindcasting and forecasting of climatology for Gilbert Bay, Labrador: a Marine Protected Area." M.Sc. Thesis. Co-supervisor (with Dr. Entcho Demirov). Memorial Univ. April 2011. Ms. Best was awarded the Gordon Mertz Memorial Fellowship in Physical Oceanography October 2010.
- Lica Christensen "Compensating for the destruction of marine fish habitat during resource development; a Newfoundland and Labrador case study" Masters of Environmental Science (course-based with work term and major paper). May 2014. Thesis won the Moire A. Wadleigh Award for Excellence in Environmental Science. Lica became a member of Team Memorial chosen to represent Canada in G20 Global Business

Challenge in Australia in November 2014. Team Memorial won first prize.

- Lesley Sullivan “A review of legislation and best management practices for trail construction in Newfoundland and Labrador” Masters of Environmental Science (course-based with work term and major paper). May 2014.
- Arnault Le Bris “Mechanisms and consequences of variation in the migratory behaviour of Atlantic cod (*Gadus morhua* L.) in the northern Gulf of St. Lawrence.” Ph.D. Dissertation. Co-supervisor with Alain Frechet, DFO, Mont Joli. Memorial Univ. June 2014.
- Emily Smits “Bonne Bay, Western Newfoundland - a potential candidate for a National Marine Conservation Area.” Masters of Environmental Science (course-based with work term and major paper). December 2015.
- Anita Doody “Methods for Establishing Industrial Effluent Limits using Total Ammonia as a Case Study.” Masters of Environmental Science (course-based with major paper). March 2016.

**Undergraduate Student Theses Supervised:**

- Martina Hickey "Cold-adaptation and survival of northern Atlantic cod (*Gadus morhua*) overwintering in sea pens". B.Sc.(Honours) Thesis. Supervisor. Memorial Univ., April 1995.
- Ian Bradbury "Comparison of the fecundity of farmed and wild Atlantic cod (*Gadus morhua*)". B.Sc.(Honours) Thesis. Supervisor. April 1997.
- Bruce Nolan "Swimming movements of shoaling Atlantic cod, *Gadus morhua*, in response to ocean currents on the northeast Newfoundland shelf". B.Sc.(Honours) Thesis. Supervisor. April 1998.
- Leanne Kryger “A study of the fish fauna of Gilbert Bay, Labrador: An area of interest for a marine protected area”.B.Sc.(Honours) Thesis. Co-supervisor with Dr. Richard Haedrich. November 2004.
- Joanne Stares “Changes in the potential fecundity of Atlantic cod from NAFO Divisions 3Ps and 3NO in relation to stock abundance”. B.Sc. (Honours) Thesis. Co-supervisor with Dr. Joanne Morgan, DFO, St. John’s. April 2006.
- James Saxby “Size frequency distribution of Iceland scallop in relation to location in Gilbert Bay, Labrador: A marine protected area”. B.Sc. (Honours) Thesis. Supervisor. April 2007
- Jens Currie “The nearshore fish fauna of Bonne Bay, a Fjord within Gros Morne National Park, Newfoundland.” B.Sc.(Honours) Thesis. Supervisor. April 2009. Presented at the 39<sup>th</sup> APICS Undergraduate Biology Conference, Nova Scotia Agricultural College, Turo. March 2009.

Jeanette Bruce “Determining the habitat of 0-group Atlantic cod in Bonne Bay, a fjord within Gros Morne National Park, Newfoundland.” B.Sc.(Honours) Thesis. Supervisor. April 2010. Awarded the LGL Ltd. Scholarship in Marine Science.

**Undergraduate Student Research Assistants Supervised:**

Brian McGrath Undergraduate Research Assistant, May - September 1991; June - September 1992

Bonnie Dean Memorial University Undergraduate Career Experience Program (MUCEP), September 1992 - June 1993. Undergraduate Student Research Assistant, April - October 1991; May - August 1992. Supported by a \$3,000 grant from Challenge '92 (SEED, Dept. of Employment and Immigration Canada.

Dorothy Evans Women in Science and Engineering (WISE) program. Grade 12 Summer 1993 Research Assistant.

Martina Hickey MUCEP, September 1993 - April 1994; Undergraduate Research Assistant, April - September 1994.

Sherry Nugent MUCEP, January - April 1994.

Kimbly Morgan Women in Science and Engineering (WISE) program. Grade 12 Summer 1995 Research Assistant. Also supported under the 1997 Summer Career Placement Program by a \$1200 award from the Division of Human Resources Development Canada.

Bruce Nolan MUCEP, June 1995-April 1998; Undergraduate Research Assistant.

Ian Bradbury Undergraduate Student Research Assistant, June - August, 1996.

Joanne Hickey Undergraduate Research Assistant, May - August 1997. Funded by the Science Faculty's 1997 Summer Undergraduate Research Award of \$3000. Dr. Hickey earned her MD at Memorial Univ in 2003 and joined the faculty in the Discipline of Medicine at Memorial Univ. in 2010.

Krista Park MUCEP, June 1998 - April 1999.

Byron Earle and Damian Kippenhuck Grade 12 Summer 1998 Research Assistants. Supported under the 1998 Summer Career Placement Program by a \$1300 award from the Division of Human Resources Development Canada to the D.C. Young School, Port Hope Simpson, Labrador.

Derek Pritchett MUCEP, June 1999-April 2001. Undergraduate Research Assistant, June-August 2000 and June-August 2001.

Jennifer Donovan MUCEP, June - August 2000.

B.J. Penney	Grade 12 Summer 2001 Research Assistant.D.C. Young School, Port Hope Simpson, Labrador.
Kristina Murphy	MUCEP, September - December 2001.
Erin Lane	MUCEP, January 2002- April 2003. Undergraduate Research Assistant, June-August 2002.
Theresa Watson	Undergraduate Research Assistant, June - August 2003. MUCEP September-December 2003.
Leanne Kryger	Undergraduate Research Assistant, September-December 2003; May-December 2004.
Aaron Retzlaff	Undergraduate Research Assistant. September-December 2003.
Corina Russell	Grade 12 Summer 2004 Research Assistant. D.C. Young School, Port Hope Simpson, Labrador.
Derek Pritchett	MUCEP, September 2004 - April 2005.
Lewis Yang	MUCEP. September - December 2005.
Corina Russell	Summer 2006 Field Research Assistant.
Charles Feng	MUCEP. September 2006-April 2007
Jennifer Dawe	MUCEP. Sept 2007-December 2007. Undergraduate Research Assistant, January-April, 2008
Sarah Graham	NSERC Undergraduate Student Research Award, (Co-supervised with Dr. Entcho Demirov), May - August 2008.
Jens Currie	MUCEP. September 2008-April 2009
Jeanette Bruce	MUCEP. September 2009-April 2010

**Grant and Contract Research Assistants Supervised:**

Wade Bailey	Research Assistant I, May 1990 - October 1996.
Allan Collier	Research Assistant II, January 1991 - August 1993.
Fred Perry	Research Assistant I, July 1994 - August 1995
David Sampson	Research Assistant I, May - October 2001.

- Zhiliang Xing            Research Assistant I. September 2003- March 2004.
- Val Kendall                Research Assistant I, May - August 2004.
- Liuming Hu                Work Term Student, College of the North Atlantic, Co-operative Education,  
Programmer Analyst. June-August 2005.
- Alison Copeland         Research Assistant I. (Co-supervised with Drs. T.Bell and E. Edinger) September  
2006-October 2007.
- Jens Currie                Research Assistant I., April-May 2009.

**Teaching at Memorial University:**

**Graduate courses:**

- |             |           |  |
|-------------|-----------|--|
| Spring 1990 | Biol 7240 | Plankton Dynamics (with Dr. G. Gardner)  |
| Spring 1995 | Biol 7541 | Physiological Ecology of Phytoplankton<br>(with Drs. R. Rivkin and C. Parrish)           |
| Fall 1995   | Biol 7541 | Biological Oceanography<br>(with Drs. R. Rivkin, C. Parrish, D. Deibel, and R. Thompson) |
| Winter 2014 | OCSC 7531 | Biological Oceanography guest lecture  |
| Fall 1997   | MMS 6001  | Fisheries Ecology (with Drs. G. Rose and P. Snelgrove)                                   |
| Fall 1997   | MMS 6002  | Quantitative Methods in Fisheries (with Dr. Y. Chen)                                     |
| Fall 1995   | Biol 7551 | Fisheries Resource Management  |
| Fall 1996   |           |  |
| Winter 1998 |           |  |
| Fall 1999   |           |  |
| Winter 1999 |           |  |
| Winter 2001 |           |  |
| Winter 2002 |           |  |
| Winter 2003 |           |  |
| Winter 2004 |           |  |
| Winter 2005 |           |  |
| Winter 2006 |           |  |
| Winter 2007 |           |  |
| Winter 2008 |           |  |
| Winter 2010 |           |  |
| Winter 2014 | OCSC 7551 | Fisheries Resource Management  |
| Winter 2015 | OCSC 7400 | Fisheries Resource Management  |
| Winter 2016 |           |  |

Winter 2017

Fall 2008    ENVS 6009            Environmental Science Project Report

Winter 2009

Spring 2009

Fall 2009

Winter 2010

Spring 2010

Fall 2010

Winter 2011

Spring 2011

Fall 2011

Winter 2012

Fall 2013

Winter 2014

Fall 2015

Winter 2016

Winter 2009    ENVS 6010            Environmental Science Seminar

Winter 2010

Winter 2011

Winter 2012

Winter 2016

Summer 2012    ENVS 601W            Environmental Science Work Term Report

**Undergraduate first year courses:**

Winter 1996    Biol 1002            Principles of Biology

Winter 1997

Winter 2008    Science 1000            Introduction to Science I  
(with Drs. W. Montevecchi, P. Davis, S. Squires, and D. Wilton)

**Undergraduate second, third and fourth year courses:**

Winter 1998    Biol 4750            Fisheries Ecology

Winter 1999

Fall 1999

Winter 2001

Winter 2002

Winter 2003

Winter 2004

Winter 2005

Winter 2006

Winter 2007

Winter 2008

Winter 2009  
Winter 2010  
Winter 2011  
Fall 2011  
Fall 2012  
Fall 2013  
Fall 2014  
Fall 2015  
Fall 2016  
Fall 2017

Spring 2002	Biol 3714	Estuarine Fish Ecology Field Course at the Bonne Bay Marine Stn
Spring 2003		co-taught with Dr. D. Methven
Spring 2004		co-taught with Dr. D. Methven
Spring 2005		co-taught with Dr. D. Methven
Spring 2006		co-taught with Dr. D. Methven
Spring 2007		co-taught with Dr. D. Methven
Spring 2008		co-taught with Dr. D. Methven
Spring 2009		co-taught with Dr. D. Methven
Spring 2010		
Spring 2011		(co-taught with Dr. C. Purchase)
Spring 2012		(co-taught with Dr. C. Purchase)
Winter 2015	OCSC 2001	Sustainable Fisheries and Aquaculture (co-taught with Dr. I. McGaw)