

MMM Class of 2008-2009

The 08-09 MMM class have been engaged in their internship placements at various agencies in British Columbia, Prince Edward Island and Nova Scotia this year. Graduate Project preparation is underway and presentations will be made by the students on August 25. See page 2 for details.

Jacklyn Chisholm-Lightbourne

Jacklyn is an international student from the Bahamas. She chose to undertake an internship with the Coastal Division of the Nova Scotia Department of Fisheries and Aquaculture under the guidance of Sean Weseloh McKeane (MMM 2004).



World Oceans Day organizers Sean Weseloh McKeane (left), Jacklyn Chisholm-Lightbourne (middle) and MMM alumni Chris Burbidge (right).

Her graduate project will assess the feasibility of two areas of Nova Scotia identified for designation as coastal MPAs, based on IUCN guidelines and environmentally sensitive areas criteria. It will further examine the challenges and opportunities for selecting these sites and make recommendations for future site selection. Jon Grant, Oceanography Professor, is Jacklyn's academic supervisor.

Aurelie Cosandy Godin

Aurelie is interning with the World Wildlife Fund in Halifax with Tonya Wimmer, Species Conservation Manager. Her graduate project is on shark conservation and management in Canada. Canada is a participating nation in the International Plan of Action for the Conservation and Management of Sharks and has a commitment to take a precautionary approach for the management of these species. She will be evaluating current management practices to identify gaps. She will define priorities and future actions that should be undertaken. Boris Worm, Assistant Professor of Biology at Dalhousie, is Aurelie's academic supervisor.

Romero Advincula Da Rocha

Romero is doing his internship at the Oceans and Coastal Management Division of DFO under the guidance of Glen Herbert (MMM 1994). During his internship, he prepared an inventory of the Municipal Planning Strategies in Nova Scotia and reviewed how these strategies could be reflected in the Nova Scotia Coastal Zone Framework (2008). Romero's graduate project will focus on intergovernmental capabilities, especially between federal and municipal governments, towards the implementation of ICOM in Nova Scotia. Romero's academic supervisor is Lucia Fanning.

Alex Gagne

Alex is spending her internship placement at the BC Assembly of First Nations in Vancouver, BC under the guidance of Chris Lewis. She is assisting on a variety of fisheries and aquaculture projects from a rights-based approach. This work complements her graduate project, which is an examination into

areas of common ground between the management frameworks proposed by BC First Nations and those of the Pacific Salmon Forum regarding salmon farming in the Broughton Archipelago. Her academic supervisors are Chris Milley, MAP Instructor and Ralph Mathews, Sociology Professor at UBC.

Chelsea Garth

Chelsea Garth is working as a Junior Program Officer at the Public Safety Canada Nova Scotia Regional Office with Jo-Anne Scharf, Regional Director. Her projects include assisting with the organization of a large, multi-departmental, intergovernmental exercise to test marine safety and security response mechanisms in the Halifax Harbour, and helping to prepare federal government departments locally for the H1N1 pandemic. Her graduate project centers on issues of response capability to marine threats in Canada. It explores how relationships between government departments affect Canadian maritime security, especially interagency cooperation initiatives such as the Marine Security Operations Centre (MSOC). Chelsea's academic advisor is Hugh Williamson, MAP Adjunct Professor.

Olando Harvey

The objective of Olando's internship and graduate project is to assist the Mi'kmaq Confederacy of Prince Edward Island (MCPEI) in establishing effective Integrated Coastal Zone Management (ICZM) within the Malpeque Bay, Prince Edward Island. Olando's intern host at the Mi'kmaq Confederacy of Prince Edward Island is Randy Angus. Specifically, the primary outputs of the study will be the compilation of a comprehensive

stakeholder list along with a stakeholder engagement strategy. The project will include conducting semi-structured stakeholder interviews to determine the nature of the user conflicts/interactions that exist within the Malpeque Bay and the willingness of the different sectors/industries to participate in a community-led ICZM initiative. Tony Charles, MAP Adjunct Professor, is Olando's academic supervisor.

Jessica McFee

Jessie's internship is also working with Tony Wimmer at the World Wildlife Fund in Halifax. Her graduate project will look at the balance between the value of, and threats to, Atlantic fisheries and the preservation of the North Atlantic right whale. The project will focus on identifying the fisheries that pose the greatest threat to the right whale in terms of entanglements, and combining those threats with the value of the involved fisheries. Her research includes building a framework to determine mitigation strategies to lessen the impact of fishing gear on whales. Her academic supervisor for this project is Dr. Sean Brilliant, WWF.

Mark O'Flaherty

Mark is completing his internship at Fisheries and Oceans Canada with the Verna Docherty at the Resource Management department. His project is concerned with the topic of rights based fisheries management. He will be exploring the changes that have occurred to the fleet and community structure as a result of the adoption of the Individual Transferable Quota system for the inshore mobile gear groundfish sector in Scotia-Fundy. Richard Apostle, MAP Professor, is Mark's academic supervisor.

Jacquelyn Rutherford

Jacquelyn is completing an internship with the Mi'kmaq Grand Council under the guidance of Ronnie Knockwood. Her internship and graduate paper will examine international norms in affirming traditional coastal resource governance in the Mi'kmaq Nation. The aim is to assist Grand Council Members in formulating their plans for the the creation and

implementation of a natural resource institution for the Mi'kmaq First Nations. The information collected will be used to focus discussions during the proposed Grand Council Summit scheduled to take place later this year. In addition, she hopes that this research will provide the Grand Council and Mi'kmaq peoples with background information on international norms as a means to recognize inherent indigenous rights. These include access to traditional resources and traditional resource governance. Her academic supervisors are Chris Milley, MAP Instructor and Phillip Saunders, Professor of Law at Dalhousie.

Suzette Soomai

Suzette is interning with the School of Information Management (SIM), Dalhousie University. The internship involves working with a team dedicated to the project 'Environment and Information', funded by the Social Sciences and Humanities Research Council (SSHRC) which examines the influence of grey literature in policy and decision making in Canada. For Suzette's graduate project, she is applying the methodology to a case study for the Caribbean. The graduate project will examine scientific information use and influence in managing the shrimp and groundfish resources in the Brazil-Guianas Continental Shelf. Scientific information on the status of these marine resources has been



The Environment and Information team:
Standing (l to r): Dr Peter Wells (SRES, MAP), Ruth Cordes (SIM), Suzette Soomai (MAP), Julie Woods and Dr Bertrum MacDonald (SIM)
Sitting: Danielle Cossarini and Greg Hutton (SIM)

produced by national fisheries agencies in association with fisheries advisory bodies such as the FAO and CRFM. Suzette's

academic supervisor is Dr Peter Wells, MAP Adjunct Professor. Her internship supervisor is Dr Bertrum MacDonald, Professor, SIM.

Colleen Turlo

Colleen's internship is with the World Wildlife Fund in their Halifax office under the guidance of Jennifer Smith. Colleen is working on developing a framework for conducting effective and inclusive socioeconomic impact assessments of marine protected areas (MPA). The goal of her project will be to recommend best practices for incorporating socioeconomic considerations in upcoming MPA planning and implementation, particularly within the Eastern Scotian Shelf Integrated Management (ESSIM) area. The project will highlight the importance of accurate socioeconomic information. Colleen's academic supervisor, John Kearney, MAP Instructor, will complement the project with his extensive knowledge in community participation in coastal and marine resource management.

Xu Fang

Fang is interning with the Environmental Response Program in the Canadian Coast Guard, Maritimes Region. Her intern host is Joe LeClair. The aim of her graduate project is to establish a framework for risk assessment of oil spills in the region. She will be identifying and analyzing factors affecting either the probability or consequences of an oil spill incident. This knowledge will contribute to the response resource allocation for the program. Dr. Ron Pelot, Associate Professor in the Department of Industrial Engineering is Fang's academic supervisor.

MAKING WAVES

You are invited to attend **Making Waves**, the Graduate Project Presentations of the MMM class of 2009. Mark your calendar for Tuesday August 25, 2009. The event will take place in Room 1007 of the Kenneth C. Rowe Management Building, 6100 University Ave. A notice with more

information will be sent by email closer to the date.

MAP News



MMM graduates Heather Joyce (right) and Marco Boccia (middle) with Lucia Fanning, MAP Director at the May convocation ceremony.

MAP Celebrates Recent Graduates

Congratulations to Marco Boccia, Heather Joyce and Laura Tabet, MMM graduates at the convocation ceremonies in May 2009. In the fall, Marco will take up a position in Brussels at the Unit of International Affairs and Law of the Sea with the European Commission. Heather is continuing her work as multidisciplinary hydrographer at the Canadian Hydrographic Service, DFO. Laura is working for the corporate social responsibility department of an oil drilling company in Libya. She is assisting ENGOs that are developing sustainability projects under the Cyrene Declaration, particularly in the Green Mountain area of Libya.

Congratulations Suzuette Soomai (MMM 2009) and Troy Whalen, who were married on June 20, 2009 in Port Hawkesbury, NS. Several members of the MMM class along with Lucia Fanning attended the



happy event. Troy is a Respiratory Therapy student at Dalhousie

MAP Events



On April 8, 2009, Eric Hundert, Manager at Environment Canada Atlantic Region gave a seminar titled *The Role of Science in Environmental Policy*. The presentation described the various ways that science can inform and influence the environmental policy and programs of the government.

As part of the PROGOVNET Project, Dr. Winston Anderson, Professor of International Law at the University of the West Indies, Cave Hill Campus, gave a presentation on *Multilateral Environmental Agreements on Protection of Biodiversity: Effect on Judicial Decision-Making in the Commonwealth Caribbean*. Dr. Anderson also gave a lecture to the International Ocean Institute participants during the annual training program on *Ocean Governance: Policy, Law and Management*.



Mike Butler, Executive Director, IOI Canada (l) with Winston Anderson (centre) & David VanderZwaag (r), Director, MELI.

World Oceans Day

MAP was well represented at the recent World Oceans Day event on the Halifax waterfront. MMM students and alumni participated in organizing the event and manning the wide variety of booths and displays. Thanks to all that

participated in increasing awareness of the importance of the world's oceans!

Top Photo (l to r): Heather Joyce, Romero Da Rocha, Jacklyn Chisholm-Lightbourne, Pat Hinch); Middle photo (l to r): Aimee Gromack, Glen Herbert; Bottom Photo: Melissa Landry.



Conferences & Workshops

Company of Master Mariners

On April 21 & 22, the Company of Master Mariners presented the workshop "Arctic Shipping: Planning for Emergencies" Workshop. The workshop was attended by over 110 representatives from the Canadian Navy, Canadian Coast Guard, shipping companies, Natural Resources Canada, Transportation Safety Board and educational institutions. Marine Affairs was a co-host along with Det Veritas Norske, Lloyd's Register and the American Bureau of Shipping. For a full report on the 2 day event, go to: <http://www.mastermariners.ca/cms/UserFiles/File/summarycompleteecomm.pdf>

PROGOVNET

Lucia Fanning attended the second research symposium of the Nippon-funded PROGOVNET project in Barbados on April 15-19. The symposium examined the current legal framework and status of 14 Caribbean States to implement coastal and ocean related multilateral environmental agreements. The symposium was organized by the University of the West Indies PROGOVNET partner, the Caribbean Law Institute Centre. Dr. David VanderZwaag, Dalhousie Law School and MAP faculty member also participated in the symposium.

While in Barbados, Lucia Fanning, Chair of the PROGOVNET Steering Committee, presented Ms. Alexcia Cooke with the Nippon Foundation sponsored graduate scholarship tenable at CERMES, University of the West Indies (photo below). Alexcia will be undertaking doctoral studies on the topic of organizational networking for ocean governance.



Uruguay Project

Lucia Fanning also attended a workshop in Montevideo, Uruguay on April 20-25 focusing on a review of the CIDA-funded Master's program in Integrated Coastal Zone Management, following the completion of the first set of graduates in the degree program. In addition to discussing the current curriculum (which used the MMM degree program as its model), future research activities between Marine Affairs and the University of the Republic were explored. The participants discussed the creation of a regional Southern Cone (Chile, Argentina, Brazil and Uruguay) research centre in Coastal Area Management and advanced plans

for a Coastal Management conference to be held in Montevideo in October 2010.

IYIP

In May 2009, Marko Tomic, one of MAP's participants of the CIDA International Youth Internship Program (IYIP), took part in the IV International Conference on Integrated Coastal Zone Management, Caricostas 2009, in Santiago de Cuba, Cuba. Marko was one of three IYIP interns that worked with IOCARIBE in Cartagena, Colombia. He presented a study done while at IOCARIBE with fellow intern Andrew Fanning. The study looked at the activities of six international donor organizations that finance projects related to integrated coastal area management in Latin America and the Caribbean. With the overall goal of assisting project planners in obtaining financial resources, the presentation was well-received at the conference. The audience agreed with the importance of developing institutional capacity for securing project funding and pointed out the added difficulties experienced in Cuba, where internet limitations can restrict information available by donor organizations.



Marko attests that participation in the conference was extremely beneficial to his outlook on both coastal area management and the region of Latin America and the Caribbean. While the conference was densely packed with information enlightening to the academic mind, it also left participants with a memorable impression of Santiago de Cuba thanks to the warm hospitality of the organizing committee. This may have been summed up best by the delegation from the Cuban city of Cienfuegos who together sang their thanks to Dr. Ofelia Pérez Montero,

executive of the conference's organizing committee.

IMCC

Lucia Fanning attended the International Marine Conservation Congress (ICMM) at George Mason University in Fairfax, Virginia on May 20-24, 2009. While at the conference, she participated as an invited panelist on the symposium focusing on Regional Marine Governance in the wider Caribbean. She also gave a presentation on ecosystem based management in the Caribbean co-written by Dr. Robin Mahon and Dr. Patrick McConney, Professors at UWI and MAP Adjunct Professors.

8th Bay of Fundy Science Workshop

Lucia Fanning attended the 8th BoFEP Bay of Fundy Science Workshop at Acadia University in Wolfville, NS held on May 26-29, 2009. She gave a presentation entitled "Understanding Influence: Lessons from the 1999 Georges Bank Moratorium Decision". Current MMM students Pat Hinch and Suzuette Soomai also presented posters on decision making affecting offshore tidal energy and the use of scientific information on decision making respectively. Suzuette also had the opportunity to present her poster at the Atlantic Provinces Library Association Conference.

Recent Publications

Mahon, R., Fanning, L., & McConney P., 2008. A governance perspective on the large marine ecosystem approach. *Marine Policy* 33: 317-321.

Fanning, L., Mahon, R., & McConney P., 2009. Focusing on living marine resource governance: The Caribbean Large Marine Ecosystem and Adjacent Areas Project. *Coastal Management* 37: 219-234.

Tomic, M., Fanning, A. and Toro, C. 2009. An Assessment of International Organizations Funding Projects Related to Integrated Coastal Area Management in Latin America and the Caribbean. In: *Universidad de Oriente* (ed) *Proceedings of the 4th International Conference on Integrated Coastal Area Management*. May 13-15, 2009, Santiago de Cuba, Cuba.