



TAVEL Certification Inc.
Suite 815, 99 Wyse Road
Dartmouth, N.S. B3A 4S5
Tel: (902) 422-4511 Fax: (902) 422-9780

ADVISORY – PROPOSED ASSESSMENT TEAM

Northwest Atlantic Canadian Longline and Harpoon Swordfish Commercial Fisheries Full MSC Assessment

TAVEL Certification Inc. proposes that the full assessment team for the Northwest Atlantic Canadian swordfish (*Xiphias gladius*) longline and harpoon fisheries conducted in the Atlantic Canadian EEZ and outside the Canadian EEZ within the boundary of the ICCAT Northern Swordfish Boundary Area (North 5°N and West of 30°W), will consist of a minimum of one Expert Assessor for each MSC Principle selected from the list below. Biographies for proposed assessors are found below. TAVEL Certification is seeking stakeholder feedback on the appropriateness of proposed team candidates. Curriculum vitae for these individuals are available from TAVEL Certification for review, upon request.

Forward all feedback on the proposed candidates to Amanda Park of TAVEL Certification by **April 9, 2009**. The final assessment team composition will be determined by TAVEL on **April 17, 2009**. Additional inquiries about the certification process and participation as a stakeholder may be sent to TAVEL Certification Inc at the following contacts:

Contact: Amanda Park
Phone: (902) 422-4511
Fax: (902) 22-9780

Email: amanda@tavelcertify.com

Proposed MSC Principle of Expertise			Name	Association
1	2	3		
X*		X**	O'Boyle, Robert	Independent Consultant, Canada
	X		Beckett, James	Independent Consultant, Canada
	X		Jamieson, Glen	Department of Fisheries and Oceans Canada
X**	X*		Maguire, Jean-Jacques	Independent Consultant, Canada
		X	Angel, John	Angel Consulting Services
		X	Rivard, Denis	Independent Consultant, Canada
X**	X***	X*	Sissenwine, Mike	Consultant on Marine Ecosystem Issues and Visiting Scholar of the Woods Hole Oceanographic Institution

Several of the individuals proposed are qualified for more than one Principle. The * denotes the first choice Principle, **second choice Principle, and *** indicates third choice.

Principle 1 – Stock Health Team Candidates

Mr. Bob O'Boyle, B.Sc. (McGill University), Ph.D. (Guelph University) (population ecologist) - Mr. O'Boyle received his B Sc. and M Sc. from McGill and Guelph Universities in 1972 and 1975 respectively. He joined Canada's Department of Fisheries and Oceans (DFO) at the Bedford Institute of Oceanography (BIO) in Dartmouth, Nova Scotia in 1977 as a stock assessment scientist and was with DFO for over 30 years, retiring in October 2007. During his first 10 years at DFO, he was heavily involved in the development of stock assessment approaches and personally conducted assessments of most of the Maritime region's fish resources (herring, capelin, cod, haddock, pollock, the flatfishes, and more recently, the large pelagic sharks). He started his career in science program management about this time, heading up the Scotian Shelf Ichthyoplankton Program, the Biomathematics and Computer Section, and the Population Dynamics Section. In 1987, he became a division manager with responsibility for the finfish research programs and assessment-related activities of over 70 scientific and support staff. He remained in this position until 1996, at which time he became responsible for the peer review of the science and advice on the Maritimes Region's finfish, invertebrate and marine mammal resources, on its habitat management, and on its ocean management practices and approaches. He became the Associate Director of Science in 2000, a position that he held until his retirement in 2007, and as such was heavily involved in DFO science program management at the regional and national level. He has been involved in a number of national and international reviews, ranging from science program design to resource assessment. Since 2000, his research interests have focused on the policies and implementation of an Ecosystem Approach to Management.

He is currently an emeritus scientist with BIO, pursuing research projects related to resource and ocean management and assessment. He also president of Beta Scientific Consulting Inc., which is a company which provides a wide range of consulting services related to oceans management,

including stock assessment and related analyses, provision of in-depth reviews, meeting and workshop coordination / facilitation, and policy analyses.

Jean-Jacques Maguire, B.Sc. (Université Laval), M.Sc. (Université Laval) – Mr. Maguire worked for the Canadian Department of Fisheries and Oceans from 1977 to 1996. He has led stock assessment teams in DFO and participated in stock assessment review processes on both coasts of North America in both Canada and in the USA, in the International Council for the Exploration of the Sea (ICES) and in the International Commission for the Conservation of Atlantic Tunas (ICCAT) whose bluefin tuna working group he chaired. He chaired both the pelagic and the groundfish subcommittees of the former Canadian Atlantic Fisheries Scientific Advisory Committees before chairing its Steering Committee. He was a member of the Advisory Committee on Fisheries Management (ACFM) of the International Council for the Exploration of the Sea during 1989-1999. As a consultant in fisheries science and fisheries management since 1996 he chaired the ACFM of ICES, he works regularly for the Food and Agriculture Organization of the UN, for national and international organizations as well as for fishermen organizations and environmental non-governmental organizations. He is a member of the Canadian Fishery Resource Conservation Council since 2002.

Dr. Mike Sissenwine Ph.D. (Oceanography, University of Rhode Island) - Dr. Sissenwine is the Chair of the Advisory Committee of the International Council for Exploration of the Sea (ICES) (Copenhagen, Denmark) and also a Visiting Scholar of the Woods Hole Oceanographic Institution. In the past he has served as the Director of Scientific Programs and Chief Science Advisor for the U.S. National Marine Fisheries Service (2002-2005), where his organization's mission was to provide the scientific basis for conservation and management of marine living resources and their ecosystems. From 2002 until mid 2004, he led eleven NOAA programs which supported the Agency's stewardship mission. From 1996-2002, he served as Director of the Northeast Fisheries Science Center, comprised of five laboratories and approximately 300 staff. Previously, Dr. Sissenwine served almost six years as the Senior Scientist of the National Marine Fisheries Service, overseeing the Agency's scientific programs throughout the USA.

Dr. Sissenwine has over 30 years of experience as a research scientist, authoring over 100 scientific reports and publications on a wide range of topics including ecosystem dynamics, fisheries oceanography, resource assessments and fishery management theory and case studies. He is also the co-editor of three books. Dr. Sissenwine has convened several international scientific conferences, given testimony to the US Congress and the European Parliament, participated in radio talk shows and frequently been interviewed by the news media.

Dr. Sissenwine was the President of the International Council for Exploration of the Sea (ICES) from 2003-2006. In addition to his involvement with ICES, Dr. Sissenwine has participated in numerous national and international scientific organizations including the North Atlantic Fisheries Organization, the Pacific Science Association (PSA) and the US Global Ecosystem Dynamics program (GLOBEC). Dr. Sissenwine has been a member of the Fishery Resources Commission of the World Humanity Action Trust of the UK, and a member of the Advisory Committee on Fisheries Research for the United Nations Food and Agricultural Organization (FAO). He has participated in FAO "Expert Consultations" on Fisheries Management

Techniques, the Precautionary Approach, Indicators of Sustainability, and Ecosystem Approaches to Fisheries. He served as the chair of the Interagency Working Group of the National Oceanographic Partnership Program and served as an advisor to the Pew Foundation Conservation Fellows Program. He was a member of a Presidential panel on ocean exploration. He serves on many other advisory and scientific review groups and he has advised on research and resource management problems worldwide. Throughout Dr. Sissenwine's career, he has provided scientific advice to policy makers and managers concerned with conservation and management of marine living resources, such as legislatively mandated Fishery Management Councils. He is currently a member of the Scientific and Statistical Committees of the New England and Caribbean Fishery Management Councils.

Principle 2 – Ecosystem Impacts Team Candidates

Jim Beckett, B.A. (Honors) (Cambridge University), M.A (Cambridge University) – Mr. Beckett's involvement in fisheries began in England, where he spent most of the school and university holidays, and a year in between those working in a variety of commercial fisheries. Mr. Beckett started his scientific career with the Fisheries Research Board of Canada, at the Biological Station in St. Andrews, New Brunswick. During the years at St. Andrews, he carried out research on swordfish and tuna that included at least two trips per year on commercial vessels. Subsequently he was assigned to the International Directorate, Department of Fisheries and Oceans in Ottawa, to join the negotiating team for the UN Law of the Sea Conference and negotiation of five bilateral fisheries treaties. Following the extension of fisheries jurisdiction, Jim joined the Fisheries Research Branch in Ottawa as a Senior Staff Officer concerned with national research on marine fisheries and provision of scientific advice to fisheries management domestically and internationally. Mr. Beckett acted as Director of the Branch for most of the period between 1983 and 1986, and was appointed Director, in 1989. Over the course of his career, he has had extensive involvement in the interface between science and clients in recognized by numerous appointments to policy teams and working groups, including chairing such activities.

Mr. Beckett has been involved in extensive international activities and organizations including Northwest Atlantic Fisheries Organization (NAFO), International Commission for the Conservation of Atlantic Tunas (ICCAT), Inter-American Tropical Tuna Commission (IATTC), the International Council for the Exploration of the Sea (ICES), the Canada Greenland Joint Commission on the Management of Narwhale and Beluga, and the North Pacific Marine Science Organization (PICES). In Canada, involvement in a wide variety of committees and work groups with respect to research policy and support, science interaction with clients, and fisheries management activities have contributed to the extensive and wide ranging nature of career activities. He has been involved in assessments and the development of scientific advice through the CAFSAC Groundfish, Pelagic and Statistics and Surveys Sub Committees and Steering Committee, and in the PSARC Steering Committee

Mr. Beckett retired from the federal Civil Service in March 1996, and has since provided consultancy services on fisheries science, fisheries management, biodiversity science and endangered species assessments.

Dr. Glen Jamieson, B.Sc. (Macdonald College of McGill University), M.Sc. (University of British Columbia), Ph.D (University of British Columbia) – Dr. Jamieson received a B.Sc (Agr.) from Macdonald College of McGill University, Quebec, and later received both a M.Sc and Ph.D. through the University of British Columbia, in Vancouver BC. Dr. Jamieson recently retired from the Department of Fisheries and Oceans Canada after 31 years of service. In his early years with DFO, Glen worked on shellfish stock assessments, and headed up the BC program for 13 years. In the later years of his career with DFO, Dr. Jamieson worked in conservation biology, focusing on Ecosystem Based Management, Species at Risk Act and marine habitat issues, non-commercial species (e.g. corals, sponges), and alien invasive species issues. During the 1980s Dr. Jamieson directed Canadian bycatch assessments of the Japanese driftnet fishery for flying squid in offshore Canadian Pacific waters. Since his retirement, Dr. Jamieson still works part-time for DFO supervising students, mentoring colleagues, finishing terms on international North Pacific science committees and completing reports on Pacific EBM topics.

Jean-Jacques Maguire, B.Sc. (Université Laval), M.Sc. (Université Laval) – See biography above.

Dr. Mike Sissenwine Ph.D. (Oceanography, University of Rhode Island) – See biography above.

Principle 3 – Management Systems Team Candidates

John R. Angel, B.Sc. (Mt. Allison), LLB (Dalhousie) – Mr. Angel worked with the federal Department of Justice before moving to the Department of Fisheries and Oceans as head of legal and regulatory affairs in 1983. His last position in government (1994) was as Regional Director of Fisheries Management for the Scotia-Fundy Region. After ten years as Executive Director of the Canadian Association of Prawn Producers, a trade association representing offshore northern shrimp interests in Eastern Canada, John retired from full time employment. He has extensive experience in the development of integrated resource management plans and fishing strategies as well as a background in Canadian fisheries law and is currently a member of the Fisheries Resource Conservation Council (FRCC), an independent advisory body to the Minister of Fisheries and Oceans.

Denis Rivard, B.Sc. (Université de Montréal), M.Sc. (Université de Montréal) – Denis Rivard is a consultant with 30 years of experience in the conservation of marine and freshwater resources. Throughout his career, he worked on a number of issues related to the conservation of marine and freshwater resources and their ecosystems. He served as delegate to the Advisory Committee on Fisheries Management (ACFM) of the International Council for the Exploration of the Sea, as representative on the Scientific Council of the Northwest Atlantic Fisheries Organization (NAFO) and as science representative on a number of advisory committees or organizations. His scientific publications and reports cover a wide range of topics in fisheries science and evaluation.

In addition to his involvement in a number of international scientific advisory organizations, he was active in Canada as *ex-officio* member of the Fisheries Resource Conservation Council, as

scientific advisor for the Canadian Atlantic Fisheries Scientific Advisory Committee and as Director of Science Peer Review and Advice for the Department of Fisheries and Oceans. His professional carrier in the Department of Fisheries and Oceans (Canada) included a number of appointments, including scientific and program advisor in resource evaluation, senior policy and program advisor on marine fish, Director of the national fisheries research, and Associate Director General for the ecosystem science program.

As consultant on fisheries resource sustainability, he continues to take an active part in the development and implementation of conservation frameworks, their evaluation and their practical application to fisheries management.

Mr. Bob O'Boyle, B.Sc. (McGill University), Ph.D. (Guelph University) – See biography above.

Dr. Mike Sissenwine, Ph.D. (Oceanography, University of Rhode Island) – See biography above.

All feedback on the proposed team can be sent to Amanda Park of TAVEL Certification by April 9, 2009. All inquires about the certification process and participation as a stakeholder may be sent to TAVEL Certification Inc at the following contacts:

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Date: March 19, 2009